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1.4 nspr 4.32

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derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
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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1.6 readline 6.3-8

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1.10 pyrsistent 0.18.0

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1.11 cjson 1.7.15

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Also thanks to all the people who reported bugs and suggested new features.

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1.12 go-runtime 1.7.5

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1.13 go-runtime 1.15.3

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1.14 kerb-core 2.0.0

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1.16 xxhash 2.1.1

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1.18 diffutils 3.3-1+b1

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* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
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- [Core Infrastructure Initiative](https://www.coreinfrastructure.org) - financial support towards developing the TLS API and JSSE provider that appeared in 1.56.
<li>Additional CertPath testing and validation data from the CertPath testing tool developed by a href="https://www.cryptosource.de"cryptosource GmbH/a and a href="https://www.mtg.de"media Transfer AG/a both located in Darmstadt, Germany.</li>

<li>a href="https://www.microfocus.com"Micro Focus/a - additional support towards further developing the TLS/DTLS API and the BCJSSE provider.</li>

</ul>

People

<ul>
<li>Tito Pena &lt;Fortunato.Pena@AdNovum.CH&gt; - initial RC5 implementation</li>
<li>Michael Lee &lt;tyf@#064;mira.net&gt; - initial RC6 implementation, MD2 implementation</li>
<li>Nuno Santos &lt;nsantos@#064;student.dei.uc.pt&gt; - finding toString bug in certificate object.</li>
<li>Brett Sealey &lt;bretts@#064;mortbay.com&gt; - fixing the missing return problem in JDKKeyFactory (affected SSL/JSSE private keys).</li>
<li>Victor A. Salaman &lt;salaman@#064;teknos.com&gt; - fixing the bug in Cipher.java which caused it to ignore specified providers, fixing the bug in RSAKeyGenerator which caused keys to be occasionally produced 1 bit too small.</li>
<li>Eran Librach &lt;eran@#064;valicert.com&gt; - spotting and fixing the classLoader bug that occurs if javax.crypto and the provider aren't sharing the same classpath (occurs in JDK 1.3 and greater).</li>
<li>Jonathan Knudsen &lt; jonathan@#064;LearningPatterns.com&gt; - porting information and restrictions when using the lightweight library with the MIDP environment.</li>
<li>Markus Niedermann &lt;markus.niedermann@#064;softwired-inc.com&gt; - porting information and restrictions when using the lightweight library with the MIDP environment.</li>
<li>Mike Benham &lt;moxie@#064;thoughtcrime.org&gt; - detection and fixing of an incorrect weak key in the DES key generation support classes. Suggestions for simplifying DESedeParameter objects. Optimisations for the Blowfish engine and BufferedBlockCipher class.</li>
<li>Soren Hilmer &lt;hilmer@#064;mail.tele.dk&gt; - initial implementation of netscape certificate request classes.</li>
<li>Uwe Guenther &lt;uwe@#064;csc.de&gt; - detection and fixing of 3 incorrect semi-weak keys in the DES key generation support classes.</li>
<li>Markus Bradtke &lt;mab@#064;informatik.uni-kiel.de&gt; - fixing of a logic error in the JDKKeyStore class.</li>
<li>Waclaw Sierek &lt;waclaw.sierek@#064;tpg.pl&gt; - fix to setOddParity in the DESParameter class. Assistance with adding ordering to X509 names for certificate generation, proper processing of byte strings in the ASN1 package, further simplifications and additional classes to improve pkcs7 support, bug fixes in CertPath API.</li>
<li>Ly-Na Phu &lt;lyna.phu@#064;init-consulting.de&gt; - assistance in the addition of ISO 9796-1 padding.</li>
<li>Stefan Kouml;pell &lt;sk13@#064;mail.inf.tu-dresden.de&gt; - making the jdk 1.1 version of the collections API available. For further details see http://sourceforge.net/projects/jcf/.</li>
<li>Carmen Bastiaans &lt;cbastiaa@#064;microbits.com.au&gt; - fixing the improper null pointer problem in the setting of certificates in the PKCS12 key store.</li>

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Tomas Gustavsson &lt;tomasg@primekey.se&gt; - initial implementation of the
AuthorityInformationAccess, SubjectKeyIdentifier, AuthorityKeyIdentifier, CRLNumber, CRLReason,
CertificatePolicies, V2TBSCertListGenerator, and X509V2CRLGenerator classes in the ASN.1 library. Additions to
GeneralName class, other bug fixes in the X.509 package. Initial implementation of the CertificationRequest classes.
getRevocationReason() patch for OCSP. Patch to SemanticsInformation to prevent ClassCastException.</li>

Eugen Kuleshov &lt;euuxx@hotmail.com&gt; - optimisations for Blowfish, assistance with
PKCS12/keytool interoperability.

Megan Woods &lt;meganwoods@sekurafile.com&gt; - initial implementation of
ECIES.</li>

Christian Geuer-Pollmann &lt;geuerp@apache.org&gt; -
adding IV's to the AESWrap implementations. Initial implementation of
DESedeWrap.</li>

Michael M:&lt;#252;hle &lt;Michael@#064;mouling.de&gt; - contributing the initial CertPath implementation and
compatibility classes, fixing provider bug in JDK 1.1 java.security.cert.CertificateFactory compatibility class.</li>

Michael Mansell &lt;me@#064;michaelmansell.com&gt; - fixing the parsing of the empty DER set in the
ASN.1 library.

Eike Recker &lt;eike.recker@#064;gmx.de&gt; - fixing misspelling of provider reference for RSA/1 and
RSA/2.

Chris Southern &lt;CSouthern@baltimore.com&gt; - fixing misuse of specified provider in the PKCS10
certification request class.

Sidney Markowitz &lt;sidney@#064;sidney.com&gt; - fixing null pointed exception on unknown OID in
X509Name class, initial implementation of the three AES engines.

Chris Kerr &lt;ckerr@#064;filonet.ca&gt; - initial implementation of the cms,
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tagging so tag values up to 30 are now supported.

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Interoperability with
Biztalk.

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Joel Hockey &lt;joel.hockey@#064;qsipayments.com&gt; - initial work on the openssl PEM processing.
<li>John Steenbruggen &lt;JohnS#064;geotrust.com&gt; - fixing CertificationRequestInfo to handle cert request info objects without attribute blocks.</li>
<li>Justin Chapweske &lt;justin#064;chapweske.com&gt; - ordering patch for Tiger message digest.</li>
<li>John Serock &lt;jserock#064;hotmail.com&gt; - fixing null pointer exception in constructor for ExtendedKeyUsage. Fixing of base OID bug in KeyPurposeId. Compliance of KeyUsage extension return value with security API.</li>
<li>Sascha Weinreuter &lt;Sascha.Weinreuter#064;cit.de&gt; - fixed SMIME saveChanges() bug.</li>
<li>Andre Wehnert &lt;aw5#064;mail.inf.tu-dresden.de&gt; - fixing key schedule problem in RC5-64, fixing buffer cleaning issue in buffered block cipher.</li>
<li>Luigi Lo Iacono &lt;lo_iacono#064;nue.et-inf.uni-siegen.de&gt; - adding SIC mode to the blockcipher in the provider.</li>
<li>Tim Sakach &lt;tsakach#064;certivo.net&gt; - SMIME v2 compatibility patches.</li>
<li>Marcus Povey &lt;mpovey#064;brookes.ac.uk&gt; - adding the PGP mode to the lightweight API and the provider.</li>
<li>Sebastian Clau&szlig; &lt;sc2#064;inf.tu-dresden.de&gt; - adding randomness setting to the certificate and CRL generators.</li>
<li>Nicolos Bielza &lt;nicolos.bielza#064;alligacom.com&gt; - isolating the tagging bug in the ASN.1 library that was misrepresenting some ASN.1 constructed data types. Contributions to the streaming S/MIME classes.</li>
<li>Casey Marshall &lt;rsdio#064;metastatic.org&gt; - fixing the clone problem with Macs in the clean room JCE.</li>
<li>Rick Zeldes &lt;rick.zeldes#064;eds.com&gt; - initial code for CMS/SMIME CompressedData.</li>
<li>Jarek Gawor &lt;gawor#064;mcs.anl.gov&gt; - fixing ASN.1 sequence unpacking in BasicConstraints constructor.</li>
<li>Brett Neumeier &lt;random#064;rnd.cx&gt; - patch to OriginatorIdentifierOrKey object, improvements to encoders package, introduction of UriBase64.</li>
<li>Graham Coles &lt;graham.coles#064;retail-logic.com&gt; - patch to isParityAdjusted in DESKeySpec.</li>
<li>J&ouml;rnn von Kattch&oacute;e &lt;J.Kattchee#064;seeburger.de&gt; - patch to SMIMEGenerator for preventing class cast exceptions with BodyParts containing Multipart objects.</li>
<li>Matteo Artuso &lt;matartuso#064;libero.it&gt; - picking up the possible overread in ASN1InputStream.</li>
<li>Julian Morrison &lt;julian#064;extropy.demon.co.uk&gt; - spotting the slow down in Diffie-Hellman key generation.</li>
<li>Elmar Sonnenschein &lt;eso#064;esomail.de&gt; - fix to long conversion in clean room SecureRandom.</li>
<li>J&ouml;rnn Schwarze &lt;JSchwarze#064;ulc.de&gt; - Locale fix for the clean room JCE.</li>
<li>Bryan Lovquist &lt;bkl#064;cps.com.au&gt; - Other provider compatibility fixes for CMS signing.</li>
<li>Artem Portnoy &lt;Artem_Portnoy#064;ibi.com&gt; - generalisations for CMSProcessableBodyPart in S/MIME. Header fix for mime messages.</li>
<li>Michael H&auml;usler &lt;husler#064;ponton-consulting.de&gt; - missing OID update for SHA1 with RSA Signature.</li>
<li>Johan Seland &lt;johans#064;netfonds.no&gt; - general toString for BigInteger class.</li>
<li>Johannes Nicolai &lt;johannes.nicolai#064;novosec.com&gt; - further enhancements to OCSP response generation, fix to CertificateID issuer.</li>
<li>Marc Doberva &lt;marc.doberva#064;lex-si.com&gt; - help in isolating the JSSE/BC RSA key issue.</li>
<li>Jan Dvorak &lt;jan.dvorak#064;mathan.cz&gt; - initial implementation of the lightweight Null block cipher.</li>
<li>Joe Cohen &lt;cohen#064;forumsys.com&gt; - converting the ArrayOutOfBoundsexception in DERInputStream into what it should have been.</li>
<li>Chris Long &lt;aclong#064;ece.cmu.edu&gt; - adding public key decoding to PEMReader.
Hes Siemelink &lt;hes@064izecom.com&gt; - findIssuer fix for CertPathBuilder, toMimeMessage converter for Mail API, getSize() fix for zero length messages in SMIMEMessage.

Stefan Puiu &lt;stefanpuiuro@064yahoo.com&gt; - initial implementation V3 policy mapping, policy qualifier objects in ASN.1 X.509 package.

Kaiser Yang &lt;kaiseryang@064.yahoo.com&gt; - Finding BigInteger loop problem in prime generation.

Jiri Urbanec &lt;jiri.urbanec@064logicacmg.com&gt; - patch to fix defect in DERBMPString.equals().

Justin Kolb &lt;jkolb@064pristx.com&gt; - patch to DSA signature generation in OpenPGP. Fix for the unexpected "Unexpected end of ZLIB input stream" exception.

Ralf Hauser &lt;ralfhauser@064gmx.ch&gt; - patch to exception handling in PublicKeyRing, PEMReader, 1.4 build script, X509 Certificate Factory, CertPathValidatorUtilities, fromAddress null check in SignedMailValidator, ReadOnceInputStream testing utility in MIME tests.

Michal Dvorak &lt;M_Dvorak@064kb.cz&gt; - getNextUpdate patch for OCSP SingleResp.

Klaus Greve Fiorentini &lt;Klaus@064cpqd.com.br&gt; - array fix in PGP PublicKeyEncSessionPacket.

Olivier Refalo &lt;Olivier_Refalo@064fpl.com&gt; - null pointer exception fix for JDK 1.3 CMSSignedData objects.

Mariusz Bandola &lt;mariusz.bandola@064cryptotech.com.pl&gt; - patch to DERGeneralizedTime. Compliance patch for OCSP TBSRequest class. Patch to X509Name for delaing with general objects in sequences.

Brien Oberstein &lt;brien.oberstein@064transacttools.net&gt; - patch to S2K algorithm in OpenPGP, initial PGP version 3 secret key support, initial PGP version 3 signature generation, RIPEMD160 addition to PGPUtility.

Ian Haywood &lt;ian@064haywood.bpa.nu&gt; - addition of getSignatureType to PGPSignature.

Jonathan Edwards &lt;s34gull@064mac.com&gt; - initial support for reading multiple rings from a PGP key file.

Andrew Thornton &lt;andrew@064caret.cam.ac.uk&gt; - patch for RSA PUBLIC KEY in PEMReader.

Gregor Leander &lt;gl@064bos-bremen.de&gt; - initial parsing of multiple sequence entries in an X.500 Name.

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Francois Staes &lt;fstaes@064netconsult.be&gt; - improvements to DEBitString, DERGeneralizedTime and initial implementation of DERGeneralString, addition of settable signed object info to CMSSignedDataGenerator, patch to DH key agreement.

W.R. Dittmer &lt;wdittmer@cs.vu.nl&gt; - patch to decoding of SignatureCreationTime in BCPG. Patch to PGPKeyPair to fix nullpointer exception.

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Jim Ford &lt;jim@064muirford.com&gt; - patch to PGPSecretKey to avoid null pointer exception on encoding secret keys, comments on KeyExpirationTime, getBitStrength for ElGamal keys. Signature creation time patch for newly created v4 signatures.

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Sai Pullabhota &lt;psai@064linoma.com&gt; - fix to PGP compressed data generator to improve compression levels. Performance improvements for KeyBasedLargeFileProcessor.

Joseph Miller &lt;joseph@064digiweb.net.nz&gt; - addition of ZeroBytePadding.

Lars &lt;xzy@064sagemdenmark.dk&gt; - patch to explicit padded mode for CBC block cipher MAC.
Jeroen van Vianen &lt;jeroen@vanvianen.nl&gt; - the Signed and Encrypted mail example.

Jun Sun &lt;JSun@064diversinet.com&gt; - patch to SecureRandom to work around problem in wtk 1.0.4 and wtk 2.1.

Petr Dukem &lt;puukem@064email.cz&gt; - patch to CMSSignedDataGenerator to allow it to work with PKCS11 providers.

Filipe Silva &lt;filipe.silva@wedoconsulting.com&gt; - patch to fix overread issue in BCPGInputStream.

Alpesh Parmar &lt;alps@064linuxmail.org&gt; - patch for class cast problem in PGPPublicKey.getSignatures().

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Zanotti Mirko &lt;Zanotti@cad.it&gt; - patch to ordered equality test for X509Name.

Nicola Scendonni &lt;ncendonni@064babelps.it&gt; - patch to add sorting to CertPath validation.

Ville Skyttä &lt;ville.skytta@064iki.fi&gt; - patch to CRLDistPoint for crLiIssuer field. KeyStore compliance on add patches. DiffieHellman patch for provider compliance. Support for PEM object "TRUSTED CERTIFICATE". Exception handling patch in PEMReader. JavaDoc clean up.

Bruce Gordon &lt;bruce.gordon@savvis.net&gt; - patch to secret key creation encoding NullPointerException in OpenPGP, speed up for BCPGInputStream.

Miles Whiteley &lt;miles.whiteley@064savvis.net&gt; - "223" fix for BCPGInputStream new packets.

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Carlos Lozano &lt;Carlos@064evintia.com&gt; - initial TSP implementation, patch to SignerInformation for supporting repeated signers, initial updates for supporting repeated attributes in CMS.

Javier Delgadillo &lt;javi@064javicodewarp.org&gt; - initial Mozilla PublicKeyAndChallenge classes.

Joni Hahkala &lt;joni.hahkala@064cern.ch&gt; - initial implementations of VOMS Attribute Certificate Validation, IetfAttrSyntax, and ObjectDigestInfo. We also wish to thank the &lt;a href="http://www.eu-egee.org"&gt;EGEE project&lt;/a&gt; for making the work available.

Rolf Schillinger &lt;rolf@064srir-wum.de&gt; - initial implementation of Attribute Certificate generation.

Sergey Bahtin &lt;Sergey.Bahtin@064yahoo.com&gt; - fix for recovering certificate aliases in BKS and UBER key stores. Initial implementations of GOST-28147, GOST-3410, EC GOST-3410, GOST OFB mode (GOFB) and GOST-3411.

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Atsuhiko Yamanaka &lt;yamnak@064jcraft.com&gt; - patch for improving use of Montgomery numbers in BigInteger library. Patch to use size of private exponent in DH parameters.

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Steve Mitchell &lt;mitchell@064intertrust.com&gt; - patch for stateful path validator fix. Patch to allow BigInteger class to create negative numbers from byte arrays. Additions to allow different providers to be used for asymmetric/symmetric encryption in OpenPGP.
Optimisation to avoid redundant verification in path validator. Suggestion to use PKIXParameters.getSigProvider() correctly. 

- Dirk Eisner &lt;d.eisner@064seeburger.de&gt; - initial implementation of ISO 78164-4 padding.
- Julien Pasquier &lt;julienpasquier@064free.fr&gt; - initial implementation of attribute classes from RFC 3126. Fix to KEKIdentifier, OtherKeyAttribute parsing. Initial ContentHints class.
- Matteo &lt;matartuso@064libero.it&gt; - sequence path to ASN1Dump.
- Andrew Paterson &lt;andrew.paterson@064burnsecs.com&gt; - patches to PGP tools, isRevoked method on PGPOutOfKey.
- Vladimir Molotkov &lt;vladimir.n.molotkov@064intel.com&gt; - extensive provider exception handling compliance testing.
- Florin Kollan &lt;adlocflo@064web.de&gt; - fix to ElGamalKeyParameters equality testing.
- Pavel Vassiliev &lt;paulvas@064gmail.com&gt; - Initial GOST28147Mac implementation.
- Tom Pesman &lt;tom@064tux.net&gt; - addition of DES-IDE encryption for RSAPrivate keys to PEMWriter.
- Lukasz Kowalczyk &lt;lukasz.b.kowalczyk@064gmail.com&gt; - patch to fix parsing issue with OpenSSL PEM based certificate requests.
- Arndt Hasch &lt;Arndt.Hasch@064maxence.de&gt; - additional fix for partial reading with new style PGP packets.
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- David M. Lee &lt;dmlee@Crossroads.com&gt; - code for add and remove secret key in the PGPSecretKeyRing class. Additions to S/MIME and CMS unit tests.
- Mike Dillon &lt;md5@embody.org&gt; - additional checks for PGP secret and public key construction, patches to copyWithNewPassword.
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- Chris Schultz &lt;cschultz@064gmail.com&gt; - fix for InputStream constructor for X509V2AttributeCertificate.
- David M. Lee &lt;dmlee@064Crossroads.com&gt; - implementation assistance with streaming CMS classes.
- Joel Rees &lt;rees@064ddcom.co.jp&gt; - fix to correct getOID methods from returning same set on X.509 attribute certificates.
- Francesc Sau &lt;francesc.sau@064partners.netfocus.es&gt; - micro fix for tsp Accuracy class.
- Larry Bugbee &lt;bugbee@064mac.com&gt; - initial ECNR implementation.
- Remi Blancher &lt;Remi.Blancher@064keynectis.com&gt; - Contributions to TSP implementation. Initial implementation of RFC 3739 and ICAO ASN.1 classes.
- Brian O'Rourke &lt;brianorourke@064gmail.com&gt; - patch for signature creation time override in OpenPGP.
- Andreas Schwier &lt;andreas.schwier@064cardcontact.de&gt; - initial implementation of ISO9797 MAC Algorithm 3, addition of DES-IDE 64 MAC to the provider, fix to EC point encoding, addition of EC and RSA-PSS OIDs to CMS, addition of AES-CMAC and DESede-CMAC to JCE provider.
- David Josse &lt;david.josse@transacttools.net&gt; - Patch for trailer function in version 2 signature packets.
- Kishimoto Kazuhiro &lt;kazu-k@064hi-ho.ne.jp&gt; - RFC 3280 updates to policy processing in the CertPath validator. Additional test data not covered by NIST.
- Lawrence Tan &lt;lwrmctan@064gmail.com&gt; - Large field OID sample test data. Missing key types in JDKKeyFactory.
- Carlos Valiente &lt;superdupont@064gmail.com&gt; - Addition of CRL writing to the PEMWriter class.
<li>Keyon AG, Martin Christinat, <a href="http://www.keyon.ch">http://www.keyon.ch</a> - fixing incorrect ASN.1 encoding of field elements in X9FieldElement class.</li>
<li>Olaf Keller, &lt;olaf.keller.bc@bluewin.ch&gt; - initial implementation of the elliptic curves over binary fields F2m. Additional tests and modifications to elliptic curve support for both F2m and Fp. Performance improvements to F2m multiplication. Initial implementation of WNAF/WTNAF point multiplication. Improvement to k value generation in ECDSA.</li>
<li>Jörg Eichhorn &lt;eichhorn@ponton-consulting.de&gt; - patch to fix EOF read on SharedFileInputStream, support for F2m compression.</li>
<li>Karsten Ohme &lt;widerstand@online.de&gt; - initial check against for out of range data on non byte aligned RSA keys. Addition of equals/hashCode on ECCurve.Fp. Additional curve type support for Fp, contributions to F2m compression. F2m decoding for ECPointUtil. Infinity fix and prime192v2 fix for Fp. Extra validation for RSA key creation. Fix to name typos for some OpenSSL key generators. RFC-1779 table, improved RFC 2253 compliance for X509Name. Additional constructor validation for X.509/ESS ASN.1 classes. Validation for Printable, IA5, and Numeric Strings. Support for surrogate pairs in DERUTF8String, DER UTF8 test. Additional X.509 name attributes for ISIS-MTT, RFC 3039, addition of indirect CRL support, initial X509 LDAP CertStore implementation, CertificatePair class, and X509CertificatePair class. Contributions to X509Store/Parser infrastructure and design. CertPath support for implicit DSA parameters and a range of NameConstraints. Addition of support for V1 attribute certificates and attribute certificate path validation. Initial classes for ASN.1 ISIS-MTT support. Enhancements for improving compliance with the NIST CertPath tests.</li>
<li>Carlos Lozano Ruiz &lt;carlos@tradise.com&gt; - patch for &lt;ctrl&gt;&lt;m&gt; only handling in CRLFOutputStream.</li>
<li>John Alfred Prufrock &lt;j.a.prufrock@gmail.com&gt; - mods to GOST-3411 and MD2 to support ExtendedDigest.</li>
<li>Stefan Neusatz Guilhen &lt;sneusatz@gmail.com&gt; - initial version of RoleSyntax, improvements to AttributeCertificateHolder and AttributeCertificateIssuer.</li>
<li>Marzio Lo Giudice &lt;marzio.logiudice@gmail.com&gt; - fix to endianess in KDF2BytesGenerator, additional KDF2 tests.</li>
<li>Georg Lippold &lt;georg.lippold@064gm.de&gt; - initial implementation of NaccacheStern cipher.</li>
<li>Chris Viles &lt;chris_viles@064yahoo.com&gt; - fix to SignatureSubpacket critical bit setting.</li>
<li>Pasi Eronen &lt;pasi.eronen@064nokia.com&gt; - extra toString() support for ASN.1 library. Initial patch for large OID components.</li>
<li>Maria Ivanova &lt;m.ivanova@064gmail.com&gt; - support for tags > 30 in ASN.1 parsing.</li>
<li>Armin H&auml;berling &lt;arminha@student.ethz.ch&gt; - first cut of internationalisation, initial PKIX validation classes.</li>
<li>Marius Schilder &lt;mschilder@064google.com&gt; - main set of test vectors for Bleichenbacher's forgery attack.</li>
<li>Xavier Le Vouch &lt;xavier@064britannysoftware.com&gt; - general code clean ups.</li>
<li>Erik Tews &lt;e_tews@064cdc.informatik.tu-darmstadt.de&gt; - initial threaded random seed generator, constant-time PKCS#1.5 decoding.</li>
<li>Thomas Dixon &lt;reikomusha@064gmail.com&gt; - initial implementations of TEA/XTEA, Salsa20, ISAAC, and Noekeon. XTEA enhancements.</li>
<li>Frank Cornelis &lt;info@064frankcornelis.be&gt; - addition of crlAccessMethod in

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X509ObjectIdentifiers.</li>
<li>Rui Joaquim &lt;rjoaquim@cc.isel.ipl.pt&gt; - initial implementation of RSA blinding for signatures.</li>
<li>David Stacey &lt;DStacey@allantgroup.com&gt; - addition of trust packet checking on revocation signatures in PGPSecretKeyRing.</li>
<li>Martijn Brinkers &lt;list@064mitm.nl&gt; - better exception handling in CMS enveloping, "just in time" modifications for CRL and Sequence evaluation.</li>
<li>Julius Davies &lt;juliusdavies@064gmail.com&gt; - additional modes and algorithm support in PEMReader</li>
<li>Matthias &lt;g@064partner.de&gt; - GnuPG compatibility changes for PBFileProcessor.</li>
<li>Olga K&amp;amp;uml;thler &lt;olga.kaethler@064hjp-consulting.com&gt; - initial implementation of TeleTrusT EC curves, additional ISO 9797 MACs, contributions to EAC OIDs, addition of EAC algorithms to CMS Signing.</li>
<li>Germano Rizzo &lt;germano.rizzo@064gmail.com&gt; - initial implementation of CMac, EAX, HC-128, and HC-256, optimisations for Salsa20.</li>
<li>N&amp;amp;uuml;rcia Mar&amp;iacute; &lt;numaa@hotmail.com&gt; - patch for alternate data type recoginition in CMSSignedDataParser.</li>
<li>Michael Samblanet &lt;mike@064samblanet.com&gt; - patches towards improved Sun/default provider support in CMS.</li>
<li>Mike StJohns &lt;msjohns@064comcast.net&gt; - patches for supporting empty subject in X.509 certificate generation, noneWithECDSA, updates to KeyPurposeId.</li>
<li>Ramon Keller &lt;ramon.keller@064gmx.ch&gt; - patch to deal with null revocations return from other CRL in X509V2CRLGenerator.</li>
<li>Mark Nelson &lt;mark@064nbr.com&gt; - correction to excluded DN in name constraints processing for PKIX processing.</li>
<li>Eugene Golushkov &lt;eugene_gff@064ukr.net&gt; - mask fix to single byte read in TlsInputStream.</li>
<li>Julien Pasquier &lt;julienpasquier@064free.fr&gt; - additional classes for supporting signature policy and signer certificates in the ASN.1 esf and ess libraries.</li>
<li>Peter Knopp &lt;pknopp@064mtg.de&gt; - fix for named curve recognition in ECGOST key generation.</li>
<li>Jakub Gwozdz &lt;gwozdziu@064rpg.pl&gt; - addition of getTime() to TimeStampTokenInfo.</li>
<li>Bartosz Malkowski &lt;bmalkow@064tigase.org&gt; - initial implementation of VMPC cipher, VMPCRandomGenerator, VMPCMac.</li>
<li>Tal Yacobi &lt;tal.yacobi@octavian-tech.com&gt; - fix for issue in OpenPGP examples [BJA-55].</li>
<li>Massimiliano Ziccardi &lt;massimiliano.ziccardi@064gmail.com&gt; - support for counter signature reading in CMS API, update for multiple counter signature attributes.</li>
<li>Andrey Pavlenko &lt;andrey.a.pavlenko@064gmail.com&gt; - security manager patch for PKCS1Encoding property check.</li>
<li>J Ross Nicoll &lt;jrn@064jrn.me.uk&gt; - improved exception handling for getInstance() in ASN.1 library.</li>
<li>Matthew Stevenson &lt;mavrnickz@064yahoo.com&gt; - patch to construtor for CRMFCertSequence.</li>
<li>Gabriele Contini &lt;g.contini@064hotpop.com&gt; - identified a bug in ASN.1 library with handling of unterminated NDEF's.</li>
<li>Roelof Naude &lt;roelof.naude@epiuse.com&gt; - patch for TLS client to send empty client certs in response to HP_CERTIFICATE_REQUEST.</li>
<li>Patrick Peck &lt;peck@064signature.at&gt; - identified problem with DERApplicationSpecific and high tag numbers in ASN.1 library.</li>
<li>Michael LeMay &lt;lemaymd@064lemaymd.com&gt; - identified problem with EAX [BJA-93].</li>
<li>Alex Dupre &lt;alex@064FreeBSD.org&gt; - fix to use of Signature rather than SignatureSpi in provider [BJA-90]. Addion of null provider use to SignedPublicKeyAndChallenge and PKCS10CertificateRequest
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- Michael Schoene &lt;michael@064sigrid-und-michael.de&gt; - fix of improper handling of null in
  ExtendedPKIXParameters.setTrustedACIssuers(), check for V2 signingCertificate attribute in
  TimeStampResponse.validate().

- Ion Larrañaga &lt;ilarra@064s21sec.com&gt; - fix to default partial packet generation in
  BCPGOutputStream.

- Bob Kerns &lt;bob.kerns@064positscience.com&gt; - fix to HashCode for X509CertificateObject.

- Stefan Meyer &lt;stefan.meyer@064ewe.de&gt; - backport for PKIXCertPathValidotor and
  SMIMESignedMailReviewer.

- Robert J. Moore &lt;Robert.J.Moore@064allanbank.com&gt; - speedups for OpenPGPCFB mode, clean room
  JCE patches.

- Rui Hodai &lt;rui@064po.ntts.co.jp&gt; - speed ups for Camellia implementation, CamelliaLightEngine.

- Emir Bucalovic &lt;emir@bucalovic.org&gt; - initial implementation of Grain-v1 and Grain-128.

- Torbjorn Svensson &lt;tobbe79@064gmail.com&gt; - initial implementation of Grain-v1 and Grain-128.

- Paul FitzPatrick &lt;paul@064f Fitzpatrick.cc&gt; - error message fix to X509LDAPCertStoreSpi,
  comparison fix to BCStrictStyle.

- Henrik Andersson &lt;k.henrik.andersson@064gmail.com&gt; - addition of UniqueIssuerID to certificate
  generation.

- Cagdas Cirit &lt;cagdas@064gmail.com&gt; - subjectAlternativeName fix for x.509CertStoreSelector.

- Harakiri &lt;harakiri_23@yahoo.com&gt; - datahandler patch for attached parts in SMIME signatures.

- Pedro Heniques &lt;pmaheniques@064gmail.com&gt; - explicit bounds checking for DESKeyGenerator, code
  simplification for OAEPEncoding.

- Lothar Kimmeringer &lt;job@064kimmeringer.de&gt; - verbose mode for ASN1Dump, support for
  DERExternal.

- Richard Farr &lt;rfarr.se@064gmail.com&gt; - initial SRP-6a implementation.

- Thomas Castiglione &lt;castiglione@064au.ibm.com&gt; - patch to encoding for CRMF OptionalValidity.

- Elisabetta Romani &lt;elromani@064sogei.it&gt; - patch for recognising multiple counter signatures.

- Robin Lundgren &lt;737@lundgren@064gmail.com&gt; - CMPCertificate constructor from
  X509CertificateStructure fix.

- Petr Kadlec &lt;mormegil@064centrum.cz&gt; - fix to sign extension key and IV problem in HC-128, HC-
  256.

- Andreas Antener &lt;antener_a@064gmx.ch&gt; - fix to buffer reset in AsymmetricBufferedBlockCipher.

- Harendra Rawat &lt;hrawat@064yahoo.com&gt; - fix for BERConstructedOctetString.

- Rolf Lindemann &lt;lindemann@064trustcenter.de&gt; - patch for PKCS12 key store to support more flexible
  attribute specifications [BMA-42].

- Alex Artamonov &lt;alexart.home@064gmail.com&gt; - name look up patch for GOST-2001 parameters.

- Mike Lyons &lt;mlyons@064layer7tech.com&gt; - work arounds for EC JDK bug 6738532 and JSSE EC
  naming conventions.

- Chris Cole &lt;chris_hcole@064yahoo.com&gt; - identified a problem handling null passwords when loading a
  BKS keystore.

- Tomas Krivanek &lt;tom@064attack.cz&gt; - added checking of Sender header to SignedMailValidator.

- Michael &lt;emfau@064t-online.de&gt; - correction of field error in getResponse method in
  CertRepMessage.

- Trevor Perrin &lt;trevor@064crypography.com&gt; - addition of constant time equals to avoid possible timing
  attacks.

- Markus Kiläring &lt;markus@064primekey.se&gt; - several enhancements to
  TimeStampResponseGenerator.

- Dario Novakovic &lt;darionis@064yahoo.com&gt; - fix for NPE when checking revocation reason on CRL.
without extensions.

- Michael Smith &lt;michael.smith@cbnco.com&gt; bug fixes and enhancements to the CMP and CRMF classes, initial Master List classes.

- Andrea Zilio &lt;andrea.zilio@064gmail.com&gt; fix for PEM password encryption of private keys.

- Alex Birkett &lt;alex@064birkett.co.uk&gt; added support for EC cipher suites in TLS client (RFC 4492) [#BJA-291].

- Wayne Grant &lt;waynedgrant@064gmail.com&gt; additional OIDs for PCKS10 and certificate generation support.

- Frank Cornelis &lt;info@064frankcornelis.be&gt; additional support classes for CAdES, enhancements to OCSP classes.

- Andrea Zilio &lt;andrea.zilio@gmail.com&gt; fix for PEM password encryption of private keys.

- Alex Birkett &lt;alex@064birkett.co.uk&gt; added support for EC cipher suites in TLS client (RFC 4492) [#BJA-291].

- Wayne Grant &lt;waynedgrant@064gmail.com&gt; additional OIDs for PCKS10 and certificate generation support.

- Frank Cornelis &lt;info@064frankcornelis.be&gt; additional support classes for CAdES, enhancements to OCSP classes.

- Jan Dittberner &lt;jan@064dittberner.info&gt; addHeader patch for SMIME generator.

- Bob McGowan &lt;boab.mcgoo@064btinternet.com&gt; patch to support different object and mgf digests in PSS signing.

- Ivo Matheis &lt;ivo.matheis@064seeburger.de&gt; fix to padding verification in ISO-9796-1.

- Marco Sandrini &lt;noche@064gmail.com&gt; patch to add IV to ISO9797Alg3Mac.

- Alf Malf &lt;alf@064hotmail.com&gt; removal of unnecessary limit in CMSContentInfoParser.

- Alfonso Massa &lt;alfonso massa@064insiel.it&gt; contributions to CMS time stamp classes.

- Giacomo Boccado &lt;gboccardo@064unicampus.it&gt; initial work on CMSTimeStampedDataParser.

- Aarni Tartu &lt;arni@064ut.ee&gt; patches for dealing with OIDs with specific key sizes associated in CMS.

- Janusz Sikocinski &lt;J.Sikocinski@064gdzie.pl&gt; addition of Features subpacket support to OpenPGP API.

- Juri Hudolejev &lt;jhudolejev@064gmail.com&gt; JavaDoc fix to CMSContentInfoParser.

- Liane Velten &lt;liane.velten@064hjpc-consulting.com&gt; fine tuning of code for DHParameters validation.

- Shawn Willden &lt;swillden@064google.com&gt; additional functionality to PGPKeyRing.

- Atanas Krachev &lt;akrachev@064gmail.com&gt; added support for revocation signatures in OpenPGP.

- Mickael Laiking &lt;mickael.laiking@064keynectis.com&gt; initial cut of EAC classes.

- Tim Buktu &lt;tbuktu@064hotmail.com&gt; Initial implementation of NTRU signing and encryption.

- Bernd &lt;bernd@064gmail.com&gt; Fix for open of PGP literal data stream with UTF-8 naming.

- Stein Inge Morisbak &lt;stein.inge.morisbak@064BEK.no&gt; Test code for lower case Hex data in PEM headers.

- Andreas Schmid &lt;andreas.schmid@064tngtech.com&gt; Additional expiry time check in PGPPublicKeys.

- Phil Steitz &lt;phil.steitz@064gmail.com&gt; Final patch eliminating JCE dependencies in the OpenPGP BC classes.

- Ignat Korchagin &lt;ignat.korchagin@064gmail.com&gt; Initial implementation of DSTU-4145-2002, long hash fix for DSTU-4145-2002.

- Petar Petrov &lt;peter.petrov@064bers-soft.com&gt; Testing and debugging of UTF-8 OpenPGP passwords.

- Daniel Fitzpatrick &lt;dan.f.nwr@064gmail.com&gt; Initial implementation of ephemeral key support for IES, initial implementations of RSA-KEM and ECIES-KEM, initial implementation of homogeneous projective coordinates for EC.

- Andy Neilson &lt;Andy.Neilson@quest.com&gt; a further patches to deal with multiple providers and PEMReader.

- Ted Shaw &lt;xiao.xj@064gmail.com&gt; patch to MiscPEMGenerator for handling new PKCS10CertificationRequests.

- Eleriseth &lt;Eleriseth@WPECGLtYbVi8Rl6Y7VzI2Lvd2EUVW99v3yNV3IWOmG8.fms&gt; speed up
for SIC/CTR mode. Provider compatibility generalisations for EC operations.</li>
<li>Kenny Root &lt;kenny@the-b.org&gt; patch for issuerAltName, subjectAltName support in X509CertificateObject, BaseBlockCipher.getIV() patch for AEAD.</li>
<li>Maarten Bodewes &lt;maarten.bodewes@#064gmail.com&gt; initial implementation of HKDF and NIST SP 800-108 MAC based KDF functions.</li>
<li>Philip Clay &lt;pilf_b@#064yahoo.com&gt; Initial implementation of J-PAKE.</li>
<li>Brian Carlstrom &lt;bdc@#064carlstrom.com&gt; compliance patches for some JCA/JCE keystore and cipher classes, miscellaneous code quality improvements, initial provider PBKDF2WithHmacSHA1 SecretKeyFactory.</li>
<li>Samuel Lid&eacute;n Borell &lt;samuel@#064primekey.se&gt; patch to add DSTU-4145 to DefaultSignatureAlgorithmFinder.</li>
<li>Sergio Demian Lerner &lt;sergiolerner@#064certimix.com&gt; pointing out isInfinity issue in ECDSASigner signature verification.</li>
<li>Tim Whittington &lt;Tim.Whittington@#064orionhealth.com&gt; patch to remove extra init call in CMac, additional of Memoable interface for Digest classes, initial implementation of GMAC, further correctness tests for IV and reset processing in OCB, CCM, and block cipher reset. Initial implementation of Skein, XSalsa20, ChaCha, reduced round Salsa20, Threethish, and the Poly1305 MAC. Documentation updates. Added OCB support to Noekeon and CAST6 in the provider, exception testing for CTS, optimisations for CCM, provider support for AAD cipher methods, safe CipherInput/OutputStream implementations for use with AAD and subsequent bug fixes, cleanup after IDEA patent expiry, work on JCE SipHash support, optimisations for AESFastEngine, further work on EncodableDigest for SHA-2 digests, contributions to BCrypt/OpenBSDCrypt, PGP API documentation and code quality work.</li>
<li>Marcus Lundblad &lt;marcus.lundblad@#064primekey.se&gt; patch for working around JDK jarsigner TSP bug, optional setting of IssuerSerial in TimeStampTokenGenerator, additional extensions enhancement for time stamp token generation.</li>
<li>Andrey Zhozhin &lt;zhozhin@#064xrm.ru&gt; patch for override of TSP SignerInfo attributes.</li>
<li>Sergey Tiunov &lt;t5555d@#064gmail.com&gt; initial cut of DVCS classes.</li>
<li>Damian Kolasa &lt;fatfredyy@#064gmail.com&gt; ASN1Sequence patch for class cast issue in X9Curve.</li>
<li>Ash Hughes &lt;ashley.hughes@#064blueyonder.co.uk&gt; patches for supporting PGPSignatureRing/PGPSecretKey encodings with empty private keys, initial code for PGPSignatureSubpacketVector.getEmbeddedSignatures().</li>
<li>Daniele Grasso &lt;daniele.grasso86@#064gmail.com&gt; contributions to final Key calculation code for SRP6.</li>
<li>Andrey Utkin &lt;cindrhc@#064gmail.com&gt; patch to reconstruction of ECGOST keys from PrivateKeyInfo objects in provider classes.
<li>Arnis Tartu &lt;arnis@ut.ee&gt; checker for generated key vs OID in JceCMSContentEncryptorBuilder.</li>
<li>Axel VDB &lt;axel-vdb@#064riseup.net&gt; initial implementation of Shacal2.</li>
<li>Roberto Tyley &lt;rtyley@#064devmue.de&gt; further work on completing gradle build.</li>
<li>Waldemar Dick &lt;wdick@#064devmue.de&gt; code improvement in x500 ASN.1 package.</li>
<li>Sid Steward &lt;sid.steward@#064pdflabs.com&gt; code improvements to ASN1Boolean.</li>
<li>Axel Klyubin &lt;klyubin@#064google.com&gt; AlgorithmParameters check for EC key agreement.</li>
<li>Jonathan Gillett &lt;ttsoe.student@#064gmail.com&gt; initial support for block cipher IVs in IESEngine, IES MAC length check bug fix.</li>
<li>Andreas Reiter &lt;andreas.reiter@#064iaik.tugraz.at&gt; reported incomplete status of CertificateVerify processing in (D)TLS server, and provided fix.</li>
<li>Kieran Miller &lt;kieran.miller@#064gmail.com&gt; initial implementation for RFC 5649 key wrap with padding.</li>
<li>Oliver Ehl &lt;ehli@#064arago.de&gt; additional support for BSI plain ECDSA in the provider.</li>
<li>Daniel Heldt &lt;Daniel.Heldt@#064cryptovision.com&gt; initial support for encodable state message digests.</li>
<li>Robert Bushman &lt;bouncycastle@#064traxel.com&gt; clean up of DirectKeySignature example.</li>
<li>Maurice Arts &lt;arts@#064risecure.com&gt; updated to KDF generator to follow NIST SP 800-108.</li>
<li>Franziskus Kiefer &lt;https://github.com/franziskuskiefer&gt; initial implementation of Cramer-Shoup.</li>
<li>KB Siram &lt;mail_kb@#064yahoo.com&gt; testing for odd encodings for PGP User Attribute Subpackets.</li>
<li>Marco Schulz &lt;marco@#064nightlabs.de&gt; reported verification bug in GenericSigner.</li>
<li>Martin Schaef &lt;https://github.com/martinschaefer&gt; contributed a code-clean-up patch.</li>
<li>dstutz &lt;https://github.com/dstutz&gt; added iteration count setters to PKCS#12 PBE mac/key generator builders.</li>
<li>Oliver Ehl &lt;ehli@#064arago.de&gt; additional support for BSI plain ECDSA in the provider.</li>
<li>Hauke Mehrtsens &lt;https://github.com/franziskuskiefer&gt; initial implementation of Cramer-Shoup.</li>
<li>Tobias Wich &lt;https://github.com/tobias.wich@#064ecsec.de&gt; provided patch for TLS to work around servers sending Supported Elliptic Curves extension unexpectedly.</li>
<li>Jens Kapitza &lt;j.kapitza@schwarze-allianz.de&gt; iterable support in OpenPGP API, code cleanup in OpenPGP API.</li>
<li>Johan Eklund &lt;johan@#064primekey.se&gt; update to RFC 6960 for OCSPObjectIdentifiers.</li>
<li>nikosn &lt;https://github.com/nikosn&gt; fix to encoding of EC private keys to ensure encoding matches order length.</li>
<li>Axel von dem Bruch &lt;axel-vdb@#064riseup.net&gt; contributions to BCrypt/OpenBSD BCrypt, original version of Blake2bDigest.</li>
<li>Derek Atkins &lt;derek@#064ihtfp.com&gt; documentation fixes to X9ObjectIdentifiers.</li>
<li>Peter Jr Halicky &lt;peter@#064halicky.sk&gt; correction to notification/error message handling in SignedMailValidator.</li>
<li>lartigue Pierre &lt;https://github.com/lartiguePierre&gt; fix for counter signature SID in CMSSignedData.</li>
<li>Thomas Belot &lt;https://github.com/thomas.belot+BC@#064gmail.com&gt; initial CertPathLoopTest for demonstrating stack overflow issue.</li>
<li>Rich DiCroce &lt;https://github.com/rdicroce&gt; initial implementation of server-side TLS-SRP support. TLS API extension to support non-blocking usage.</li>
<li>Bj&ouml;rn Kautler &lt;https://github.com/Vampire&gt; refinements to cert path validation (authority key addition, certificate order preservation).
Dominik Schürmann &lt;https://github.com/dschuermann&gt; method for returning signatures/verifications without user IDs on PGPPublicKey, method for exposing S2K in PGPSecretKey, constants for GNU protection modes in S2K classes, optional version header for armored output.

Michael &lt;MSKnete#064web.de&gt; initial fix for bitStrength issue for OpenPGP EC keys.

Tobias Wagner &lt;to.tobias.wagner#064n-design.de&gt; Fix SecureRandom handling in BcAsymmetricKeyWrapper [#BJA-536].

Sergio Giro &lt;sgiro#064google.com&gt; Fixed adding of additional stores from CRL distribution point [#BJA-537]. Fixed missing null check for CRL certificate issuer [#BJA-538], removal of risky zeroisation code in PBE.java, check for salt in PBEKeys that require it.

bschuette &lt;https://github.com/bschuette&gt; Fixed typo in DefaultSignatureAlgorithmIdentifierFinder, additional methods on CMSignedDataParser.

Leonard Dallot &lt;https://github.com/dallotTazTag&gt; Fix to S2K usage of none on changing passwords on keys without passwords originally.

Jan Willem Janssen &lt;j.w.janssen+ouncycastle#064xtreme.nl&gt; Support for DSAParameters in lightweight SubjectPublicKeyInfoFactory, initial object signer verifier for BC lightweight EC.

Sebastian Oerding &lt;sebastian.oerding@robotron.de&gt; Fixes to toString() in Jx509.CertificatePolicies.

Kai Kramer &lt;kai.kramer#064gmail.com&gt; Code to deal with orphaned chain certificates in the PKCS#12 KeyStore.

Benoit Charles &lt;benoit.charles#064opentrust.com&gt; Fix for IES data length check on decryption.

Niko &lt;nfnik95#064gmail.com&gt; Fix to cast issue in getOutputSize() for ECIES.

akwizgran &lt;https://github.com/akwizgran&gt; Fixed clone of key in Blake2bDigest copy constructor, blake2b reset issue for variant keys.

Matthias Edelhoff &lt;Matthias.Edelhoff@cryptovision.com&gt; BasicConstraintsValidation pathlen fix in PKIX certpath classes.

Lukasz Deputat &lt;lukasz.deputat#064gmail.com&gt; Fixed bugs in TlsUtils read methods [#BJA-592].

Justin Ludwig &lt;https://github.com/justinludwig&gt; Iterator fix for PGObjectFactory to handle stream packets at start of iterated data.

Andréacute; Berenguel &lt;https://github.com/abberenguel&gt; Fix to include ECNamedCurveSpec in EC AlgorithmParameterSpi.

Slawomir Jaranowski &lt;https://github.com/slaukjaranowski&gt; Patch to make cipher/hash/signature name methods in PGP internal API public.

Andrey Vasilyev &lt;https://github.com/andrey-vasilyev&gt; Initial implementation of GOST R 34.11-2012.

William Glanton &lt;wglanton77#064gmail.com&gt; Fixed bug in Poly1305 [#BJA-620].

jdvorak001 &lt;https://github.com/jdvorak001&gt; Speed improvements for ASN.1 ObjectIdentifier cache.

Joseph Naegle &lt;jaegele#064grierforensics.com&gt; Patch for handling multiple certificates in a DANE SMIMEA entry.


The Google Security Team (Project Wycheproof) &lt;https://github.com/google/wycheproof&gt; defect analysis and additional test cases for the provider.

Gorka Irazoqui &lt;girazoki#wpi.edu&gt; from Intel Security Center of Excellence &lt;https://security-center.intel.com&gt; detection of the issue with AESFastEngine (CVE-2016-1000339), additional suggestions for improvement to hardening of AESEngine and finding cache sensitivities in EC key generation/signing.

Joerg Senekowitsch &lt;joerg.senekowitsch@veridos.com&gt; patch to deal with hard coded boolean in EAC ECDSAPublicKey.

Alexandr Krivoshta &lt;wipe#ya.ru&gt; N4 calculation fix to GOFB mode.

Artem Storozhuk &lt;storozhuk#064gmail.com&gt; N4 calculation fix to GOFB mode.

Na Yu &lt;na.yu#064samsung.com&gt; Constructor patches to CMC PKIData.
Evangelos Karatsiolis &lt;ekaratsiolis@mtg.de&gt; Corrected use of explicit tagging in X.509 PolicyConstraints class.

VivleSoren &lt;https://github.com/VivleSoren&gt; additional constructor for McElieceCCA2PrivateKeyParameters.

mtausig &lt;https://github.com/mtausig&gt; JavaDoc fix for MCSEncryptedDataGenerator.


Sebastian Wolfgang Roland &lt;sebastianwolfgang.roland@064stud.tu-darmstadt.de&gt; Initial XMSS/XMSSMT implementation.

didisoft &lt;https://github.com/didisoft&gt; test code for PGP signature removal involving user ids.

Mike Safonov &lt;https://github.com/MikeSafonov&gt; initial implementation of GOST3410-2012 for light weight provider and JCA, parameters patches for ECGOST keys, initial implementation of GOST3412-2015, addition of fromExtensions() for CRLDistPoint.

Artem Storozhuk &lt;storojs72@gmail.com&gt; initial implementation of DSTU7564 (digest) and DSTU7624 (cipher) and their associated modes.

Andreas Glaser &lt;andreas.glaser@064gi-de.com&gt; patch to recognise ANSSI curves for PKCS#10 requests.

codeborne &lt;https://github.com/cbxp&gt; patch to correct OIDs used in public key digest parameters for ECGOST-2012.

FauxFaux &lt;https://github.com/FauxFaux&gt; patch for JDK 1.9 update to DRBG.java.

4garbage &lt;https://github.com/4garbage&gt; patch to allow GOST3410-94 private keys encoded as integers.

Armin Lunkeit, Michael Tautenhahn &lt;&gt; identification of M-R test issue on higher certainty values in RSA key pair generation.

Vincent Breitmoser &lt;https://github.com/Valodim&gt; fix to ignore unnecessary checksum calculator on PGP secret key encryption.

Adam Vartanian &lt;https://github.com/flooey&gt; use of ShortBuffer exception and buffer size pre-check in Cipher.doFinal().

Bernd &lt;https://github.com/becki&gt; Fix to make PGPUtility.pipeFileContents use buffer and not leak file handle.

Shartung &lt;https://github.com/shartung&gt; Additional EC Key Agreement algorithms in support of German BSI TR-03111.

Paul Schaub &lt;https://github.com/vanitasvitae&gt; bringing PGPSecretKey.getUserIds() into line with PGPPublicKey.getUserIds(). Exception message fix in BcPublicKeyDataDecryptorFactory. Additional tests on PGP key ring generation.

Nick of Nexxar &lt;https://github.com/nros&gt; update to OpenPGP package to handle a broader range of EC curves.

catbref &lt;https://github.com/catbref&gt; sample implementation of RFC 7748/Ed25519 (incorporated work from github users Valodim and str4d as well).
<ul>
<li>gerlion &lt;https://github.com/gerlion&gt; detection of concurrency issue with pre-1.60 EC math library.</li>
<li>fgrieu &lt;fgrieu&#064;#064gmail.com&gt; identification and suggested fixes for possible timing vulnerability in OAEPEncoding and RSACoreEngine.</li>
<li>MTG &lt;https://github.com/mtgag&gt; patch for decoding issues in PKIPublicationInfo and CertifiedKeyPair.</li>
<li>Andreas Gadermaier &lt;up.gadermaier&#064;#064gmail.com&gt; initial version of Argon2 PBKDF algorithm.</li>
<li>Tony Washer &lt;tony.washer@yaho.co.uk&gt; review of qTesla, Java 1.9 module code.</li>
<li>Vincent Bouckaert &lt;https://github.com/veebee&gt; initial version of RFC 4998 ASN.1 classes.</li>
<li>Tony Washer &lt;https://github.com/tonywasher&gt; ECIESKeyEncapsulation fix for use of OldCofactor mode.</li>
<li>Aurimas Liutikas &lt;https://github.com/liutikas&gt; JavaDoc patches to ReasonsMask.</li>
</ul>

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1.22 godbus 5.0.3

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1.24 libxtst 1.2.2 2.1.el7

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1.35 jackson 2.9.9

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1.38 commons-codec 1.10

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  jar/net/bytebuddy/agent/Installer.java
* /opt/cola/permits/1145288430_1616148381.91/0/byte-buddy-agent-1-9-10-sources-2-
  jar/net/bytebuddy/agent/VirtualMachine.java
* /opt/cola/permits/1145288430_1616148381.91/0/byte-buddy-agent-1-9-10-sources-2-
  jar/net/bytebuddy/agent/package-info.java
* /opt/cola/permits/1145288430_1616148381.91/0/byte-buddy-agent-1-9-10-sources-2-
  jar/net/bytebuddy/agent/Attacher.java
* /opt/cola/permits/1145288430_1616148381.91/0/byte-buddy-agent-1-9-10-sources-2-
  jar/net/bytebuddy/agent/ByteBuddyAgent.java
```

## 1.41 gomodule-redigo 2.0.0+incompatible

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0.20190115100425-713f2944833c

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tomb - support for clean goroutine termination in Go.

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1.46 zlib 1.2.11
1.46.1 Available under license:
/* zlib.h -- interface of the 'zlib' general purpose compression library
   version 1.2.11, January 15th, 2017

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*/
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1.47 cloud-google-com-go 0.74.0
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package cloud

import (
    "bytes"
    "io/ioutil"
    "os"
    "path/filepath"
    "strings"
    "testing"
)

var sentinels = []string{
    "Copyright",
    "Google",
    `Licensed under the Apache License, Version 2.0 (the "License");`,
}

func TestLicense(t *testing.T) {
    t.Parallel()
skip := map[string]bool{
  // Automatically generated.
  "bigtable/cmd/cbt/cbtdoc.go": true,

  // BSD license, which is compatible, is embedded in the file.
  "cmd/go-cloud-debug-agent/internal/debug/elf/elf.go": true,

  "third_party/pkgsite/print_type.go": true,
  "third_party/pkgsite/synopsis.go": true,
}
err := filepath.Walk(".", func(path string, fi os.FileInfo, err error) error {
if err != nil {
  return err
}
if ext := filepath.Ext(path); ext != ".go" && ext != ".proto" {
return nil
}
if strings.HasSuffix(path, ".pb.go") {
  // .pb.go files are generated from the proto files.
  // .proto files must have license headers.
  return nil
}
if skip[path] {
  return nil
}
src, err := ioutil.ReadFile(path)
if err != nil {
  return nil
}
src = src[:300] // Ensure all of the sentinel values are at the top of the file.

  // Find license
  for _, sentinel := range sentinels {
    if !bytes.Contains(src, []byte(sentinel)) {
      t.Errorf("%v: license header not present. want %q", path, sentinel)
      return nil
    }
  }
return nil

errof("%v: license header not present. want %q", path, sentinel)
return nil

e}}
if err != nil {
t.Fatal(err)
}
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1.48 azure-pipeline-go 0.2.1
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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/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
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
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/mgglueP.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
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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1.59 snowball-stemmer 1.2.1

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Snowball stemming library collection for Python
==================================================================================================

This document pertains to the Python version of the stemmer library distribution, available for download from:

* [https://github.com/shibukawa/snowball/](https://github.com/shibukawa/snowball/)

This repository includes Python source code generator

* [https://github.com/shibukawa/snowball_python/](https://github.com/shibukawa/snowball_python/)

This repository includes generated Python source codes

Original program is maintained at following place:

* [http://snowball.tartarus.org/](http://snowball.tartarus.org/)

Original Snowball product created by Dr Martin Porter and Richard Boulton (Java porting).
Original Snowball and my products are released under BSD license.

How to use library

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

The ``snowballstemmer`` module has two functions.

The ``snowballstemmer.algorithms`` function returns a list of available algorithm name's string.

The ``snowballstemmer.stemmer`` function accepts algorithm name and returns ``Stemmer`` objects.

``Stemmer`` objects have ``Stemmer.stemWord(word)`` method and ``Stemmer.stemWords(word[])`` method.

.. code-block:: python

    import snowballstemmer

    stemmer = snowballstemmer.stemmer('english');
    print(stemmer.stemWords("We are the world".split()));

    ``Stemmer`` objects have ``Stemmer.maxCacheSize`` property. They cache result within the value. Default is "10000".
Accerarates Stemming
-----------------

if **PyStemmer** is installed, `snowballstemmer.stemmer` returns `PyStemmer`’s `Stemmer` objects. This `Stemmer` object has same methods (`Stemmer.stemWord()`, `Stemmer.stemWords()`).

**PyStemmer** is a Snowball’s `libstemmer_c` wrapper module and it returns 100% compatible result with **snowballstemmer**.

**PyStemmer** has faster speed because it uses C-lang module, and **snowballstemmer** has higher usability because it is pure Python module.

* `PyStemmer <http://pypi.python.org/pypi/PyStemmer/>`

Benchmark
~~~~~~~~~~

Test Case: Snowball stemmer check data (16 algorithms, total 582560 words, cache hit 0%)
Computer: MacBook Pro 3rd Gen Corei7 2.3GHz

* Python 2.7 + **snowballstemmer** : 2m 30s
* PyPy 1.9 + **snowballstemmer** : 45s
* Python 2.7 + **PyStemmer** : 5s

This test case is much harder than usual usecases!

The TestApp example
-------------------

The `testapp.py` example program allows you to run any of the stemmers on a sample vocabulary.

Usage::

testapp.py <algorithm> "sentences ... "

.. code-block:: bash

    $ python testapp.py English "sentences... "

Thanks
------

* Original Snowball authors
* Emil Stenström

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Metadata-Version: 1.1
Name: snowballstemmer
Version: 1.2.1
Summary: This package provides 16 stemmer algorithms (15 + Poerter English stemmer) generated from Snowball algorithms.
Home-page: https://github.com/shibukawa/snowball_py
Author: Yoshiki Shibukawa
Author-email: yoshiki at shibu.jp
License: BSD
Description:

It includes following language algorithms:

* Danish
* Dutch
* English (Standard, Porter)
* Finnish
* French
* German
* Hungarian
* Italian
* Norwegian
* Portuguese
* Romanian
* Russian
* Spanish
* Swedish
* Turkish

This is a pure Python stemming library. If `PyStemmer <http://pypi.python.org/pypi/PyStemmer>` is available, this module uses it to accelerate.

Keywords: stemmer
Platform: UNKNOWN
Classifier: Development Status :: 5 - Production/Stable
Classifier: Intended Audience :: Developers
Classifier: License :: OSI Approved :: BSD License
Classifier: Programming Language :: Python
Classifier: Natural Language :: Danish
Classifier: Natural Language :: Dutch
Classifier: Natural Language :: English
Classifier: Natural Language :: Finnish
Classifier: Natural Language :: French
Classifier: Natural Language :: German
Classifier: Natural Language :: Hungarian
Classifier: Natural Language :: Italian
Classifier: Natural Language :: Norwegian
Classifier: Natural Language :: Portuguese
Classifier: Natural Language :: Romanian
Classifier: Natural Language :: Russian
Classifier: Natural Language :: Spanish
Classifier: Natural Language :: Swedish
Classifier: Natural Language :: Turkish
Classifier: Operating System :: OS Independent
Classifier: Programming Language :: Python :: 2.5
Classifier: Programming Language :: Python :: 2.6
Classifier: Programming Language :: Python :: 2.7
Classifier: Programming Language :: Python :: 3.3
Classifier: Programming Language :: Python :: 3.4
Classifier: Programming Language :: Python :: Implementation :: PyPy
Classifier: Topic :: Database
Classifier: Topic :: Internet :: WWW/HTTP :: Indexing/Search
Classifier: Topic :: Text Processing :: Indexing
Classifier: Topic :: Text Processing :: Linguistic

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1.60 jackson-datatype-jsr310 2.9.9

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1.61 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"
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.TestPermissionsResponse, 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.
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.
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.
func (c *LicenseCodesClient) setGoogleClientInfo(keyval ...string) {
    c.internalClient.setGoogleClientInfo(keyval...)
}

// Connection returns a connection to the API service.
//
// Deprecated.
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.
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.
func (c *LicenseCodesClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseCodeRequest, 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 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.

```go
func NewLicenseCodesRESTClient(ctx context.Context, opts ...option.ClientOption) (*LicenseCodesClient, error) {
    clientOptsWithoutDefaults := defaultLicenseCodesRESTClientOptions() // Remove default options
    httpClient, endpoint, err := httptransport.NewClient(ctx, clientOptsWithoutDefaults...)
    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()...),
    }
}

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 {
```
func (c *licenseCodesRESTClient) Get(ctx context.Context, req *computepb.GetLicenseCodeRequest, opts ...gax.CallOption) (*computepb.LicenseCode, 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.LicenseCode{}
    if err := unm.Unmarshal(buf, rsp); err != nil {
        return nil, maybeUnknownEnum(err)
    }
    return rsp, 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.
intended for use only by third-party partners who are creating Cloud Marketplace images.

```go
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
    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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// Code generated by protoc-gen-go_gapic. DO NOT EDIT.

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.
    }
    defer c.Close()

    // TODO: Use client.
    _ = c
}

func ExampleLicensesClient_Delete() {
    ctx := context.Background()
    c, err := compute.NewLicensesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer c.Close()

    req := &computepb.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.
}
def c.Close()

req := &computepb.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.
}
def 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.
func ExampleLicensesClient_Insert() {
ctx := context.Background()
c, err := compute.NewLicensesRESTClient(ctx)
if err != nil {
    // TODO: Handle error.
}
deferr 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.
}
deferr 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
    }
    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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// limitations under the License.

// Code generated by protoc-gen-go_gapic. DO NOT EDIT.

package compute_test

import {
    "context"

    compute "cloud.google.com/go/compute/apiv1"
    computepb "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 := &compute pb.TestIamPermissionsLicenseCodeRequest{
        // TODO: Fill request struct fields.
        // See https://pkg.go.dev/google.golang.org/genproto/googleapis/cloud/compute/v1#TestIamPermissionsLicenseCodeRequ est.
    }
    resp, err := c.TestIamPermissions(ctx, req)
    if err != nil {
        // TODO: Handle error.
    }
    // TODO: Use resp.
    _ = resp
}

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package compute

import (  
    "bytes"  
    "context"  
    "fmt"  
    "io/ioutil"  
    "math"  
    "net/http"  
    "net/url"
  
  google.golang.org/grpc/metadata
  google.golang.org/protobuf/encoding/protojson
  google.golang.org/protobuf/proto
)

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) (*computepb.Policy, error)
    TestIamPermissions(context.Context, *computepb.TestIamPermissionsLicenseRequest, ...gax.CallOption) (*computepb.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
}

// 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/")
    }
}

// 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.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 *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{}
    if req != nil && req.RequestId != nil {
        params.Add("requestId", fmt.Sprintf("%v", req.GetRequestId()))
    }
    baseUrl.RawQuery = params.Encode()

```go
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

// 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 *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
}
deferr 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
    }
    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{
        "requestId": fmt.Sprintf("%v", req.GetRequestId())
    }
    return c.serviceRESTClient.Insert(ctx, &http.Request{
        URL:  baseUrl
        , Body: ioutil.NopCloser(bytes.NewBuffer(jsonReq))
        , Header: nil
        , Method: "POST"
    }, params)
}
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
}
derive 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 {
            }
        }
        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()
return it
}

// 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)
    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
}
def 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 := &compute.pb.Policy{}

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 *compute.pb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*compute.pb.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)

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
}
def 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

// LicenseIterator manages a stream of *computepb.License.
type 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.
//
// InternalFetch 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) }

func (it *LicenseIterator) PageInfo() *iterator.PageInfo {
    return it.pageInfo
}

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

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

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

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

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Oracle OpenJDK

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

* java.sun.security.ssl

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

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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

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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

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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Protocol Buffers for Go with Gadgets

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

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Gocheck - A rich testing framework for Go

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

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Eclipse

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

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

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

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Oracle

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

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

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Oracle OpenJDK

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

* java.sun.security.ssl

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

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OW2

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

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

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Apache
The following artifacts are ASL2 licensed.

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

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MortBay

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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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Mortbay

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.69 libdb 5.3.21 25.el7

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jar/io/netty/resolver/AddressResolverGroup.java
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1.83 zope-interface 5.0.2

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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collection/Maps.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collection/ClassToInstanceMap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collection/AbstractListMultimap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collection/AbstractMapEntry.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collection/BiMap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1
jar/com/google/common/collect/MapDifference.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collect/ForwardingMapEntry.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collect/EnumBiMap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collect/CompoundOrdering.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collect/ForwardingMultiset.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collect/ForwardingListIterator.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collect/HashMultimap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collect/NullsFirstOrdering.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collect/ForwardingSortedMap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collect/RegularImmutableSet.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collect/ForwardingObject.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collect/AbstractSortedSetMultimap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collect/ForwardingSet.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collect/ReverseNaturalOrdering.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collect/NaturalOrdering.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collect/Multiset.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collect/AbstractMapBasedMultimap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collect/ForwardingConcurrentMap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collect/AbstractBiMap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collect/ExplicitOrdering.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collect/Multimap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collect/LinkedHashMultiset.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collect/ForwardingQueue.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collect/ConcurrentHashMultiset.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collect/ForwardingQueue.java
jar/com/google/common/collect/ForwardingIterator.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collect/SortedSetMultimap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collect/Iterators.java

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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/hash/AbstractHasher.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collect/BoundType.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/net/HttpHeaders.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/util/concurrent/ForwardingExecutorService.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/cache/LoadingCache.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/cache/ForwardingCache.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/util/concurrent/ListeningScheduledExecutorService.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collect/Queues.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/cache/AbstractCache.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/cache/RemovalListener.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/base/Present.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/cache/CacheLoader.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/util/concurrent/AsyncFunction.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/cache/RemovalNotification.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/cache/RemovalListeners.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/math/LongMath.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/util/concurrent/AbstractListeningExecutorService.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/util/concurrent/ExecutionError.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collect/package-info.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collect/RegularContiguousSet.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/hash/package-info.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/hash/AbstractCompositeHashFunction.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/hash/Funnel.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/math/package-info.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/math/CompositeLongMath.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/math/AtomicLongMath.java

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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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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
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jar/com/google/common/io/ByteArrayDataOutput.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/primitives/UnsignedBytes.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/cache/CacheBuilder.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/net/UrlEscapers.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/base/Platform.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/io/ByteProcessor.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/util/concurrent/AbstractExecutionThreadService.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-

jar/com/google/common/escape/ArrayBasedCharEscaper.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/util/concurrent/ForwardingFuture.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/primitives/SignedBytes.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/util/concurrent/AbstractService.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/util/concurrent/Callables.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/util/concurrent/ForwardingListenableFuture.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/annotations/GwtCompatible.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/cache/ReferenceEntry.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/io/ByteArrayDataInput.java
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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collect/Interners.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/base/Charsets.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/base/EnumMultiset.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/io/LittleEndianDataOutputStream.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/base/Predicate.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/util/concurrent/AbstractFuture.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/base/FinalizablePhantomReference.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/eventbus/package-info.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/base/Throwables.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/io/LineReader.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/base/Functions.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/io/CountingOutputStream.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/base/AbstractIterator.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/io/Resources.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/io/ByteStreams.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/base/Preconditions.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/base/Defaults.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/base/package-info.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/io/Flushables.java
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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/util/concurrent/package-info.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/util/concurrent/DirectExecutor.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/util/concurrent/ListenableFuture.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/io/CountingInputStream.java
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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/base/Function.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/base/Suppliers.java
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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/eventbus/AllowConcurrentEvents.java
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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/io/LittleEndianDataInputStream.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/io/MultiInputStream.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/base/FinalizableWeakReference.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/eventbus/DeadEvent.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/base/Objects.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/base/FinalizableSoftReference.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/primitives/Primitives.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/base/Predicates.java
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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collect/ObjectCountLinkedHashMap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/graph/Traverser.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/graph/BaseGraph.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/graph/AbstractBaseGraph.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collect/ObjectCountHashMap.java
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*/
/**
 * Returns an array containing all of the elements in the specified collection. This method
 * returns the elements in the order they are returned by the collection's iterator. The returned
 * array is "safe" in that no references to it are maintained by the collection. The caller is
 * thus free to modify the returned array.
 *
 * <p>This method assumes that the collection size doesn't change while the method is running.
 *
 * <p>TODo(kevinb): support concurrently modified collections?
 *
 * @param c the collection for which to return an array of elements
 */

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

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"/opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/annotations/package-info.java
*/
"/opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/annotations/Beta.java
*/
"/opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/util/concurrent/ForwardingBlockingQueue.java
*/
"/opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/util/concurrent/ThreadFactoryBuilder.java
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jar/com/google/common/graph/Network.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/graph/ImmutableNetwork.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/graph/TopKSelector.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/graph/MutableGraph.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/graph/SuccessorsFunction.java
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jar/com/google/common/collection/RowSortedTable.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collection/MinMaxPriorityQueue.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collection/SortedMapDifference.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collection/ForwardingSetMultimap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collection/ForwardingImmutableCollection.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collection/UnmodifiableListIterator.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collection/AbstractSequentialIterator.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collection/ForwardingSortedSetMultimap.java
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  jar/com/google/common/reflect/Reflection.java
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  jar/com/google/common/base/CommonMatcher.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
  jar/com/google/common/base/CommonPattern.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
  jar/com/google/common/base/JdkPattern.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
  jar/com/google/common/base/PatternCompiler.java
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  jar/com/google/common/collect/FilteredMultimapValues.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
  jar/com/google/common/collect/AbstractTable.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
  jar/com/google/common/base/VerifyException.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
  jar/com/google/common/util/concurrent/WrappingScheduledExecutorService.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
  jar/com/google/common/base/Verify.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
  jar/com/google/common/base/Utf8.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
  jar/com/google/common/base/TypeVisitor.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
  jar/com/google/common/io/CharSequenceReader.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
  jar/com/google/common/eventbus/SubscriberExceptionContext.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
  jar/com/google/common/util/concurrent/Runnables.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
  jar/com/google/common/eventbus/SubscriberExceptionHandler.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
  jar/com/google/common/hash/HashingInputStream.java

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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collection/Range.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collection/RegularImmutableBiMap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collection/Tables.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collection/ImmutableListMultimap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collect/ImmutableMapKeySet.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collect/Table.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collect/StandardTable.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collect/ImmutableMapValues.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collect/TreeBasedTable.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collect/Serialization.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collect/EmptyImmutableListMultimap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collect/UnmodifiableIterator.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collect/StandardRowSortedTable.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collect/RegularImmutableMap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collect/CollectPreconditions.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collect/ImmutableMap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collect/ImmutableEntry.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collect/ImmutableMultiset.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collect/ImmutableSortedSet.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collect/ImmutableMultimap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collect/Platform.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collect/PeekingIterator.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collect/Collections2.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collect/ImmutableMapEntrySet.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collect/ImmutableCollection.java
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jar/com/google/common/collect/HashBasedTable.java

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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/xml/package-info.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/util/concurrent/ListenableScheduledFuture.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/math/LinearTransformation.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/math/StatsAccumulator.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/util/concurrent/SmoothRateLimiter.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/io/ByteSource.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/io/CharSource.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/math/PairedStatsAccumulator.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/reflect/AbstractInvocationHandler.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/io/FileWriteMode.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/math/PairedStats.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/util/concurrent/ServiceManager.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/reflect/TypeCapture.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collect/FilteredKeyMultimap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/io/Closer.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/reflect/package-info.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/util/concurrent/RateLimiter.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/cache/LongAddables.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/escape/package-info.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/io/BaseEncoding.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/cache/LongAddable.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/reflect/Invokable.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/html/CharSink.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/hash/ChecksumHashFunction.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/reflect/ClassPath.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/hash/AbstractByteHasher.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/reflect/TypeToInstanceMap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/math/Stats.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/reflect/Parameter.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/base/StandardSystemProperty.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/io/CharSink.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/hash/LongAddables.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/reflect/MutableTypeToInstanceMap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/hash/LongAddable.java
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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/util/concurrent/ExecutionSequencer.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/hash/ImmutableSupplier.java

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/*
 * 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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* */

/**
* 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 Pass a key of type `Comparable` to use `{@link ImmutableSortedMap#of(Comparable, Object)}`. */

Found in path(s):
*/

/opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/coll mutableSortedMapFauxverideShim.java

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/opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/graph/ForwardingGraph.java

/opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/graph/UndirectedGraphConnections.java

/opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/graph/GraphConstants.java

/opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/graph/DirectedGraphConnections.java

/opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/graph/MultiEdgesConnecting.java

/opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/graph/UndirectedMultiNetworkConnections.java

/opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/graph/AbstractValueGraph.java

/opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/graph/AbstractDirectedNetworkConnections.java

/opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/graph/ConfigurableMutableValueGraph.java

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/opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/graph/ValueGraphBuilder.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/graph/DirectedNetworkConnections.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/graph/EndpointPairIterator.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/graph/ForwardingValueGraph.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/graph/MapRetrievalCache.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/graph/ValueGraph.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collect/ArrayListMultimapGwtSerializationDependencies.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collect/BaseImmutableMultimap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collect/IndexedImmutableSet.java

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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collect/SortedIterable.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collect/GeneralRange.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collect/ImmutableSortedMultisetFauxverideShim.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collect/RangeSet.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collect/SortedIterables.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collect/AbstractRangeSet.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collect/Count.java
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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/cache/Striped64.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/util/concurrent/AtomicDoubleArray.java
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jar/com/google/common/io/FileBackedOutputStream.java
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jar/com/google/common/net/PercentEscaper.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/base/internal/Finalizer.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/base/Converter.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/escape/Escaper.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/io/MultiReader.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/primitives/Floats.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/primitives/Longs.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/escape/UnicodeEscaper.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/thirdparty/publicsuffix/TrieParser.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/util/concurrent/ListenableFutureTask.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/util/concurrent/SequentialExecutor.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/base/Joiner.java
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jar/com/google/common/net/InetAddresses.java
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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collection/UnmodifiableSortedMultiset.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collection/CompactLinkedHashMap.java
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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collection/AbstractNavigableMap.java
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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collection/ForwardingImmutableList.java
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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collection/TreeTraverser.java
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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collection/FilteredKeySetMultimap.java
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1.96 google-cloud-go v0.98.0

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// Code generated by protoc-gen-go_gapic. DO NOT EDIT.

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"
```go
func ExampleNewLicensesRESTClient() {
  ctx := context.Background()
  c, err := compute.NewLicensesRESTClient(ctx)
  if err != nil {
    // TODO: Handle error.
    return
  }
  defer c.Close()

  // TODO: Use client.
  _ = c
}

func ExampleLicensesClient_Delete() {
  ctx := context.Background()
  c, err := compute.NewLicensesRESTClient(ctx)
  if err != nil {
    // TODO: Handle error.
    return
  }
  defer c.Close()

  req := &computepb.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.
    return
  }
  // TODO: Use resp.
  _ = resp
}

func ExampleLicensesClient_Get() {
  ctx := context.Background()
  c, err := compute.NewLicensesRESTClient(ctx)
  if err != nil {
    // TODO: Handle error.
    return
  }
  defer c.Close()

  req := &computepb.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.
    return
  }
```
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.ListLicenseRequest{
        // TODO: Fill request struct fields.
        // See https://pkg.go.dev/google.golang.org/genproto/googleapis/cloud/compute/v1#ListLicenseRequest.
    }
    resp, err := c.List(ctx, req)
    if err != nil {
        // TODO: Handle error.
    }
    // TODO: Use resp.
    _ = resp
}
// 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
}
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"
    compute "cloud.google.com/go/compute/apiv1"
    computepb "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.
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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package compute

import (
    "bytes"
    "context"
    "fmt"
    "io/ioutil"
    "math"
    "net/http"
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) (*computepb.Policy, error)
    TestIamPermissions(context.Context, *computepb.TestIamPermissionsLicenseRequest, ...gax.CallOption) (*computepb.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.TestIamPermissionsResponse, 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
// 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/")
    }
}

// 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", 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 *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{}
    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 = 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 := iouutil.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

// 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 *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 = 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.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 = 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
}
delay 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)
}
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{
        "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
    }
    return nil, err
}
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{
                baseUrl, _ := url.Parse(c.endpoint)
                params := url.Values{}
                if req != nil && req.Filter != nil {
                } else if pageSize != 0 {
                    req.MaxResults = proto.Uint32(uint32(pageSize))
                } else if pageSize > math.MaxInt32 {
                    req.MaxResults = proto.Uint32(math.MaxInt32)
                }
                if req != nil && req.OrderBy != nil {
                    params.Add("orderBy", fmt.Sprintf("%v", req.GetOrderBy()))
                } if req != nil && req.PageToken != nil {
                }
                return nil, err
            }
            if err := unm.Unmarshal(buf, rsp); err != nil {
                return nil, maybeUnknownEnum(err)
            }
            op := &Operation{proto: rsp}
            return op, err
        }
    }
    return nil, err
}
if req != nil && req.ReturnPartialSuccess != 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
}

deferr 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 "", nil
    }
    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()

return it
}

// 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 = 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 := &compute pb.Policy{ }
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 *compute pb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*compute pb.TestPermissionsResponse, error) { m := protojson.MarshalOptions{AllowPartial: true} body := req.GetTestPermissionsRequestResource() jsonReq, err := m.Marshal(body) if err != nil { return nil, err }
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 }
deferr 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

// LicenseIterator manages a stream of *computepb.License.
type 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.
    //
    // InternalFetch 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.
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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// 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.TestPermissionsResponse, 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.
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.
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.
func (c *LicenseCodesClient) setGoogleClientInfo(keyval ...string) {
    c.internalClient.setGoogleClientInfo(keyval...)
}

// Connection returns a connection to the API service.
//
// Deprecated.
func (c *LicenseCodesClient) Connection() *grpc.ClientConn {
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.
// This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicenseCodesClient) TestIamPermissions(ctx context.Context, req *computepb.TestIamPermissionsLicenseCodeRequest, 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 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()
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/")
    }
}

// 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 ...
google.CallOption) (*computepb.LicenseCode, error) {
    baseUrl, _ := url.Parse(c.endpoint)
    if err != nil {
        return nil, err
    }
    // Add default options.
    if len(opts) == 0 {
        opts = append(opts, defaultLicenseCodesRESTClientOptions()...) // see above
    }
    // Add per-method options for this request.
    for _, opt := range opts {
        httpReq = opt(httpReq)
    }
    httpResp, err := httpRoundTrip.RoundTrip(httpReq)
    if err != nil {
        return nil, err
    }
    licenseCode := &computepb.LicenseCode{}
    err = googlejson.NewResponseFormatter(httpResp).MapResponseToProto(licenseCode)
    return licenseCode, 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
}
def 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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* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-
jar/org/springframework/core/convert/support/CharacterToNumberFactory.java

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* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-
  jar/org/springframework/core/io/UrlResource.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-
  jar/org/springframework/core/MethodIntrospector.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-
  jar/org/springframework/core/io/Resource.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-
  jar/org/springframework/util/concurrent/ListenableFutureCallbackRegistry.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-
  jar/org/springframework/core/io/support/ResourceArrayPropertyEditor.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-
  jar/org/springframework/core/codec/ByteBufferEncoder.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-
  jar/org/springframework/core/env/SimpleCommandLinePropertySource.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-
  jar/org/springframework/core/codec/DataBufferEncoder.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-
  jar/org/springframework/util/backoff/ExponentialBackOff.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-
  jar/org/springframework/core/LocalVariableTableParameterNameDiscoverer.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-
  jar/org/springframework/core/env/JOptCommandLinePropertySource.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-
  jar/org/springframework/core/codec/ByteBufferEncoder.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-
  jar/org/springframework/core/env/SimpleCommandLinePropertySource.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-
  jar/org/springframework/core/LocalVariableTableParameterNameDiscoverer.java
1.100 urllib3 1.10.2

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  * NTLM-authenticated HTTPSConnectionPool
  * Basic-authenticated HTTPSConnectionPool (merged into make_headers)

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  * Client-verified SSL certificates for HTTPSConnectionPool
  * Response gzip and deflate encoding support
  * Better unicode support for filepost using StringIO buffers

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  * SSL fingerprint and alternative hostname verification
  * Bugfixes in testsuite

* Sune Kirkeby <mig@ibofobi.dk>
  * Optional SNI-support for Python 2 via PyOpenSSL.

* Marc Schlaich <marc.schlaich@gmail.com>
  * Various bugfixes and test improvements.

* Bryce Boe <bbzbryce@gmail.com>
  * Correct six.moves conflict
  * Fixed pickle support of some exceptions

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  * Allowed to skip SSL hostname verification

* Cory Benfield <http://lukasa.co.uk/about/>
  * Stream method for Response objects.
  * Return native strings in header values.
  * Generate 'Host' header when using proxies.

* Jason Robinson <jaywink@basshero.org>
  * Add missing WrappedSocket.fileno method in PyOpenSSL

* Audrius Butkevicius <audrius.butkevicius@elastichosts.com>
  * Fixed a race condition

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  * Added abstraction for granular control of request fields

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  * Support for non-ASCII header parameters

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* Peter Waller <p@pwaller.net>
  * HTTPResponse.tell() for determining amount received over the wire

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

* Danilo @dbrgn <http://dbrgn.ch/>
  * Disabled TLS compression by default on Python 3.2+
  * Disabled TLS compression in pyopenssl contrib module
  * Configurable cipher suites in pyopenssl contrib module

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  * Use the platform-specific CA certificate locations

* Josh Schneier <https://github.com/jschneier>
  * HTTPHeaderDict and associated tests and docs
  * Bugfixes, docs, test coverage

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

* Arthur Grunseid <http://grunseid.com>
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* Security Warning Documentation update for proper capture

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

* Alex Gaynor <alex.gaynor@gmail.com>
* Updates to the default SSL configuration

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

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jpg "Clone me," says Dolly sheepishly.

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13. [14]Steve Clift <clift@ml.csiro.au> OMEGA clock driver
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23. [24]Mike Iglesias <iglesias@uci.edu> DEC Alpha port
24. [25]Jim Jagielski <jim@jagubox.gsfc.nasa.gov> A/UX port
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27. [28]Poul-Henning Kamp <phk@FreeBSD.ORG> Oncore driver (Original author)
28. [30]Frank Kardel [31]<kardel (at) ntp (dot) org> PARSE <GENERIC> driver (>14 reference clocks), STREAMS modules for PARSE, support scripts, syslog cleanup, dynamic interface handling
29. [32]William L. Jones <jones@hermes.chpc.utexas.edu> RS/6000 AIX modifications, HPUX modifications
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31. [34]Craig Leres <leres@ee.lbl.gov> 4.4BSD port, ppsclock, Magnavox GPS clock driver
32. [35]George Lindholm <lindholm@ucs.ubc.ca> SunOS 5.1 port
33. [36]Louis A. Mamakos <louie@ni.umd.edu> MD5-based authentication
34. [37]Lars H. Mathiesen <thorinn@diku.dk> adaptation of foundation code for Version 3 as specified in RFC-1305
35. [38]Danny Mayer <mayer@ntp.org> Network I/O, Windows Port, Code Maintenance
36. [39]David L. Mills <mills@udel.edu> Version 4 foundation: clock discipline, authentication, precision kernel; clock drivers:
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Spectracom, Austron, Arbiter, Heath, ATOM, ACTS, KSI/Odetics; audio clock drivers: CHU, WWV/H, IRIG

37. [40] Wolfgang Moeller <moeller@gwdgv1.dnet.gwdg.de> VMS port
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45. [49] Wilfredo Sanchez <wsanchez@apple.com> added support for NetInfo
46. [50] Nick Sayer <mrapple@quack.kfu.com> SunOS streams modules
47. [51] Jack Sasportas <jack@innovativeinternet.com> Saved a Lot of space on the stuff in the html/pic/ subdirectory
48. [52] Ray Schnitzler <schnitz@unipress.com> Unixware1 port
49. [53] Michael Shields <shields@tembel.org> USNO clock driver
50. [54] Jeff Steinman <jss@pebbles.jpl.nasa.gov> Datum PTS clock driver
51. [55] Harlan Stenn <harlan@pfcs.com> GNU automake/autoconfigure makeovers, various other bits (see the ChangeLog)
52. [56] Kenneth Stone <ken@sdd.hp.com> HP-UX port
53. [57] Ajit Thyagarajan <ajit@ee.udel.edu> IP multicast/anycast support
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55. [59] Paul A Vixie <vixie@vix.com> TrueTime GPS driver, generic TrueTime clock driver
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1.119 libarchive 3.3.3-7.el7_9.0atomix1
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1.121 kerberos 1.15.1-51.el7_9

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/* -*- mode: c; c-basic-offset: 4; indent-tabs-mode: nil -*- */
/* tests/s4u2proxy.c - S4U2Proxy test harness */
/*
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 */

/*
 * Usage: s4u2proxy evccname targetname
 */
* evccname contains an evidence ticket. The default ccache contains a TGT for
* the intermediate service. The default keytab contains a key for the
* intermediate service. An S4U2Proxy request is made to get a ticket from
* evccname's default principal to the target service. The resulting cred is
* stored in the default ccache.
*
/* tests/shlib/t_loader.c */

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/* -*- mode: c; c-basic-offset: 4; indent-tabs-mode: nil -*-
   /* kdc_audit.c - Interface for KDC audit plugins. */
   */

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/* */
/* tests/plugorder.c - Test harness to display the order of loaded plugins */
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 */

/*
 * This file registers a few dummy built-in pwqual modules, then prints out the
 * order of pwqual modules returned by k5_plugin_load_all. The choice of the
 * pwqual interface is mostly arbitrary; it is an interface which libkrb5
 * itself doesn't use, for which we have a test module.
 */

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*/

/ *
* Program to take the place of the configure shell script under DOS.
* The makefile.in files are constructed in such a way that all this program needs to do is uncomment lines beginning #DOS by removing the first 5 characters of the line. This will allow lines like: 
* #DOS!include win-pre.in to become: !include win-pre.in
* 
* We also turn any line beginning with '@' into a blank line.
* 
* If a config directory is specified, then the output will be start with config\pre.in, then the filtered stdin text, and will end with config\post.in.
* 
* Syntax: wconfig [options] [config_directory] <input_file >output_file
* 
* /

1.122 libevdev 1.4.1 1.el7

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1.123 profile 1.3.0

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1.124 busybox 1.32.1

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Gocheck - A rich testing framework for Go

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Protocol Buffers for Go with Gadgets

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

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

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1.128 perl-pod-simple 3.28 4.el7

1.129 linkedin-goavro 2.8.1

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1.130 spidermonkey 1.8.5

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This is JavaScriptCore's variant of the PCRE library. While this library started out as a copy of PCRE, many of the features of PCRE have been removed.

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1.131 storage 1.20.2

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Protocol Buffers for Go with Gadgets

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

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1.138 ulikunitz-xz 0.5.6

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1.139 gorilla 1.8.0

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1.140 go-md2man 2.0.0-20190314233015-f79a8a8ca69d

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1.141 kexec-tools 2.0.15-51.el7_9.3
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1.142 kubernetes 1.20.0

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= vendor/github.com/docker/spdystream/LICENSE 246dc1c1661293602d98ff9113c3be48

package types

import "time"

// FeatureType store features types
type FeatureType string

const (  
    // HA means High Availability
    HA = FeatureType("HA")  
    // DEV means developer licence
    DEV = FeatureType("DEV")  
    // TRIAL means trial licence
    TRIAL = FeatureType("TRIAL")
)

// Licence holds the information to be encoded in the licence key. It needs to be synced across  
// the django server running on portal-API as well as the corresponding decoding package on the  
// storageOS control plane

type Licence struct {  
    ArrayUUID string `json:"arrayUUID,omitempty"`  
    ClusterID string `json:"clusterID,omitempty"`  
    CustomerID string `json:"customerID"`
CustomerName string `json:"customerName"
Storage  int `json:"storage"
ValidUntil  time.Time  `json:"validUntil"
LicenceType  string `json:"licenceType"
Features  map[FeatureType]bool `json:"features"
Unregistered bool `json:"unregistered"

// LicenceKeyContainer - stores a licence key
type LicenceKeyContainer struct {
    Key string `json:"key"
}

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package spec

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// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
    Name string `json:"name,omitempty"`
    URL  string `json:"url,omitempty"`
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= vendor/github.com/golang/protobuf/LICENSE 939cce1ec101726fa754e698ac871622
package migration

import "fmt"

// Notice is a migration warning
type Notice struct {
    Plugin     string
    Option     string
    Severity   string // 'deprecated', 'removed', or 'unsupported'
    ReplacedBy string
    Additional string
    Version    string
}

func (n *Notice) ToString() string {
    s := ""
    if n.Option == "" {
        s += fmt.Sprintf(`Plugin "%v" `, n.Plugin)
    } else {
        s += fmt.Sprintf(`Option "%v" in plugin "%v" `, n.Option, n.Plugin)
    }
    if n.Severity == unsupported {
        s += "is unsupported by this migration tool in " + n.Version + "."
    } else if n.Severity == newdefault {
        s += "is added as a default in " + n.Version + "."
    } else {
        s += "is " + n.Severity + " in " + n.Version + "."
    }
    if n.ReplacedBy != "" {
        s += fmt.Sprintf(` It is replaced by "%v" `, n.ReplacedBy)
    }
    if n.Additional != "" {
        s += " " + n.Additional
    }
    return s
}
The following statuses are used to indicate the state of support/deprecation in a given release.

deprecated = "deprecated" // deprecated, but still completely functional
ignored     = "ignored"   // if included in the corefile, it will be ignored by CoreDNS
removed     = "removed"   // completely removed from CoreDNS, and would cause CoreDNS to exit if present in the Corefile
newdefault  = "newdefault" // added to the default corefile. CoreDNS may not function properly if it is not present in the corefile.
unsupported = "unsupported" // the plugin/option is not supported by the migration tool

The following statuses are used for selecting/filtering notifications
all = "all" // show all statuses
)

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- Copy files to and from Containers in a cluster

# Copying Container Files
## Motivation

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

{% panel style="warning", title="Install Tar" %}
Copy requires that *tar* be installed in the container image.
{% endpanel %}

### Local to Remote

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

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

{% sample lang="yaml" %}

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

{% endmethod %}

### Remote to Local

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

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

{% sample lang="yaml" %}

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

{% endmethod %}

### Specify the Container

Specify the Container within a Pod running multiple containers.

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

```
```

## Namespaces

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

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

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

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package storageos

import (
    "encoding/json"

    "github.com/storageos/go-api/types"
)

const (
    // licenceAPIPrefix is a partial path to the HTTP endpoint.
    licenceAPIPrefix = "licencing"
)

// Licence returns the current licence on the server.
func (c *Client) Licence() (*types.Licence, error) {
    resp, err := c.do("GET", licenceAPIPrefix, doOptions{})
    if err != nil {
        return nil, err
    }
    defer resp.Body.Close()
licence := &types.Licence{}
if err := json.NewDecoder(resp.Body).Decode(&licence); err != nil {
    return nil, err
}
return licence, nil
}

// LicenceApply applies a licence on the server.
func (c *Client) LicenceApply(licenceKey string) error {
    _, err := c.do("POST", licenceAPIPrefix, doOptions{
data: &types.LicenceKeyContainer{Key: licenceKey},
})
    return err
}

// LicenceDelete removes the current licence.
func (c *Client) LicenceDelete() error {
    resp, err := c.do("DELETE", licenceAPIPrefix, doOptions{})
    if err != nil {
        return err
    }
    return resp.Body.Close()
}

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tomb - support for clean goroutine termination in Go.

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package simulator

import (
    "github.com/vmware/govmomi/object"
    "github.com/vmware/govmomi/vim25/methods"
    "github.com/vmware/govmomi/vim25/mo"
    "github.com/vmware/govmomi/vim25/soap"
    "github.com/vmware/govmomi/vim25/types"
)

// EvalLicense is the default license
var EvalLicense = types.LicenseManagerLicenseInfo{
    LicenseKey: "00000-00000-00000-00000-00000",
    EditionKey: "eval",
    Name:       "Evaluation Mode",
    Properties: []types.KeyAnyValue{
        {
            Key: "feature",
            Value: types.KeyValue{
                Key: "serialuri:2",
                Value: "Remote virtual Serial Port Concentrator",
            },
        },
        {
            Key: "feature",
            Value: types.KeyValue{
            }
        }
    }
}
type LicenseManager struct {
    mo.LicenseManager
}

func NewLicenseManager(ref types.ManagedObjectReference) object.Reference {
    m := &LicenseManager{
        Self = ref,
        Licenses = []types.LicenseManagerLicenseInfo{EvalLicense}
    }

    if Map.IsVPX() {
        am := Map.Put(&LicenseAssignmentManager{}).Reference()
        m.LicenseAssignmentManager = &am
    }

    return m
}

func (m *LicenseManager) AddLicense(req *types.AddLicense) soap.HasFault {
    body := &methods.AddLicenseBody{
        Res: &types.AddLicenseResponse{},
    }

    for _, license := range m.Licenses {
        if license.LicenseKey == req.LicenseKey {
            body.Res.Returnval = licenseInfo(license.LicenseKey, license.Labels)
            return body
        }
    }

    m.Licenses = append(m.Licenses, types.LicenseManagerLicenseInfo{
        LicenseKey: req.LicenseKey,
        Labels:     req.Labels,
    })

    body.Res.Returnval = licenseInfo(req.LicenseKey, req.Labels)

    return body
}

func (m *LicenseManager) RemoveLicense(req *types.RemoveLicense) soap.HasFault {
    body := &methods.RemoveLicenseBody{
Res: &types.RemoveLicenseResponse{},
}

for i, license := range m.Licenses {
if req.LicenseKey == license.LicenseKey {
m.Licenses = append(m.Licenses[i:i], m.Licenses[i+1:]...)
return body
}
}
return body
}

func (m *LicenseManager) UpdateLicenseLabel(req *types.UpdateLicenseLabel) soap.HasFault {
body := &methods.UpdateLicenseLabelBody{

for i := range m.Licenses {
license := &m.Licenses[i]

if req.LicenseKey != license.LicenseKey {
continue
}

body.Res = new(types.UpdateLicenseLabelResponse)

for j := range license.Labels {
label := &license.Labels[j]

if label.Key == req.LabelKey {
if req.LabelValue == "$" {
license.Labels = append(license.Labels[i], license.Labels[i+1:]...)
} else {
label.Value = req.LabelValue
}
return body
}

license.Labels = append(license.Labels, types.KeyValue{
Key: req.LabelKey,
Value: req.LabelValue,
})

return body
}

body.Fault_ = Fault("", &types.InvalidArgument{InvalidProperty: "licenseKey"})
return body
}
type LicenseAssignmentManager struct {
    mo.LicenseAssignmentManager
}

func (m *LicenseAssignmentManager) QueryAssignedLicenses(req *types.QueryAssignedLicenses) soap.HasFault {
    body := &methods.QueryAssignedLicensesBody{
        Res: &types.QueryAssignedLicensesResponse{`
    }

    // EntityId can be a HostSystem or the vCenter InstanceUuid
    if req.EntityId != "" {
        if req.EntityId != Map.content().About.InstanceUuid {
            id := types.ManagedObjectReference{
                Type: "HostSystem",
                Value: req.EntityId,
            }

            if Map.Get(id) == nil {
                return body
            }
        }
    }

    body.Res.Returnval = []types.LicenseAssignmentManagerLicenseAssignment{
        {
            EntityId: req.EntityId,
            AssignedLicense: EvalLicense,
        },
    }

    return body
}

func licenseInfo(key string, labels []types.KeyValue) types.LicenseManagerLicenseInfo {
    info := EvalLicense

    info.LicenseKey = key
    info.Labels = labels

    return info
}

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* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/MessageAggregationException.java

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* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-
jar/io/netty/handler/codec/compression/ByteBufChecksum.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-
jar/io/netty/handler/codec/DatagramPacketDecoder.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-
jar/io/netty/handler/codec/StringLineEncoder.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-
jar/io/netty/handler/codec/CodecOutputList.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-
jar/io/netty/handler/codec/CompressionUtil.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-
jar/io/netty/handler/codec/DateFormatter.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-
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/*
 * A decoder that splits the received [ByteBuf]s dynamically by the
 * value of the length field in the message. It is particularly useful when you
 * decode a binary message which has an integer header field that represents the
 * length of the message body or the whole message.
 * 
 * [@LengthFieldBasedFrameDecoder] has many configuration parameters so
 * that it can decode any message with a length field, which is often seen in
 * proprietary client-server protocols. Here are some example that will give
 * you the basic idea on which option does what.
 *
 * ch3>2 bytes length field at offset 0, do not strip header</h3>
 *
 * 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.
 *
 * <pre>
 * lengthFieldOffset   = <b>0</b>
 * lengthFieldLength   = <b>2</b>
 * lengthAdjustment    = 0
 * initialBytesToStrip = 0 (= do not strip header)
 * </pre>
 *
 * BEORE DECODE (14 bytes) AFTER DECODE (14 bytes)
 */

| Length | Actual Content |----->| Length | Actual Content |
|--------|----------------|    | 0x000C | "HELLO, WORLD" |
* +----------------+                  +----------------+

* <h3>2 bytes length field at offset 0, strip header</h3>
 *
 * Because we can get the length of the content by calling
 * [@ByteBuf#readableBytes()], you might want to strip the length
 * field by specifying <tt>initialBytesToStrip</tt>. In this example, we
 * specified <tt>initialBytesToStrip</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 |----->| Length | Actual Content |
|--------|----------------|    | 0x000C | "HELLO, WORLD" |
* +----------------+                  +----------------+

---

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

```
lengthFieldOffset   =  0
lengthFieldLength   =  2
lengthAdjustment    =  0
initialBytesToStrip =  0
```

```
BEFORE DECODE (14 bytes)         AFTER DECODE (14 bytes)

<table>
<thead>
<tr>
<th>Length</th>
<th>Actual Content</th>
<th>Length</th>
<th>Actual Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>0x000C</td>
<td>&quot;HELLO, WORLD&quot;</td>
<td>0x000C</td>
<td>&quot;HELLO, WORLD&quot;</td>
</tr>
</tbody>
</table>
```

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

```
lengthFieldOffset   =  2 (= the length of Header 1)
lengthFieldLength   =  3
lengthAdjustment    =  0
initialBytesToStrip =  0
```

```
BEFORE DECODE (17 bytes)         AFTER DECODE (17 bytes)

<table>
<thead>
<tr>
<th>Header 1</th>
<th>Length</th>
<th>Actual Content</th>
<th>Header 1</th>
<th>Length</th>
<th>Actual Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>0xCAFE</td>
<td>0x000C</td>
<td>&quot;HELLO, WORLD&quot;</td>
<td>0xCAFE</td>
<td>0x000C</td>
<td>&quot;HELLO, WORLD&quot;</td>
</tr>
</tbody>
</table>
```

```
<3>3 bytes length field at the beginning of 5 bytes header, do not strip header
```

```
<3>3 bytes length field at the end of 5 bytes header, do not strip header
```

```
<3>2 bytes length field at offset 0, do not strip header, the length field represents the length of the whole message
```
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.

- `<pre>`
  - `lengthFieldOffset = 0`
  - `lengthFieldLength = 3`
  - `<b>lengthAdjustment</b> = 2` (= the length of Header 1)
  - `initialBytesToStrip = 0`
- BEFORE DECODE (17 bytes)                      AFTER DECODE (17 bytes)
  - +----------+----------+----------------+      +----------+----------+----------------+
  - |  Length  | Header 1 | Actual Content |----->|  Length  | Header 1 | Actual Content |
  - | 0x00000C | 0xCAFE | "HELLO, WORLD" |      | 0x00000C | 0xCAFE | "HELLO, WORLD" |
- </pre>

- This is a combination of all the examples above. There are the prepended header before the length field and the extra header after the length field.
- The prepended header affects the `<tt>lengthFieldOffset</tt>` and the extra header affects the `<tt>lengthAdjustment</tt>`. We also specified a non-zero `<tt>initialBytesToStrip</tt>` to strip the length field and the prepended header from the frame. If you don't want to strip the prepended header, you could specify `<tt>0</tt>` for `<tt>initialBytesToSkip</tt>`.
- `<pre>`
  - `lengthFieldOffset = 1` (= the length of HDR1)
  - `lengthFieldLength = 2`
  - `<b>lengthAdjustment</b> = 1` (= the length of HDR2)
  - `<b>initialBytesToStrip</b> = 3` (= the length of HDR1 + LEN)
- BEFORE DECODE (16 bytes)                       AFTER DECODE (13 bytes)
  - +----------+----------+------+----------------+      +----------+----------------+
  - | HDR1 | Length | HDR2 | Actual Content |      | HDR2 | Actual Content |
  - | 0xCA | 0x000C | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
- </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 \texttt{lengthAdjustment}.

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.

\begin{verbatim}
\begin{itemize}
    \item lengthFieldOffset = 1
    \item lengthFieldLength = 2
    \item lengthAdjustment = -3 (= the length of HDR1 + LEN, negative)
    \item initialBytesToStrip = 3
\end{itemize}
\end{verbatim}

\begin{verbatim}
BEFORE DECODE (16 bytes)                   AFTER DECODE (13 bytes)
+----------------+--------------------------+                +----------------+--------------------------+
| HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
| 0xCA | 0x0010 | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
+----------------+--------------------------+                +----------------+--------------------------+
\end{verbatim}

\@see LengthFieldPrepender

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* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/base64/Base64Dialect.java
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+ */
+ /**
+ * Utility class for `ByteBuf` that encodes and decodes to and from
+ * <a href="http://en.wikipedia.org/wiki/Base64">Base64</a> notation.
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+ * Base64 Encoder/Decoder</a>.
+ */

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+ /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-
+ jar/io/netty/handler/codec/base64/Base64.java

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1.152 jackson-module-parameter-names 2.9.9

1.153 x-net 0.0.0-20210415231046-e915ea6b2b7d

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1.155 testify 1.6.1

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1.156 openssh 6.6.1p1 25.el7_2

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   - The make-ssh-known-hosts script is no longer included
   - TSS has been removed
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* 
* 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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*
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1.161 elasticsearch-scripting-painless-spi

6.8.3

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* /opt/ws_local/PERMITS_SQL/1068412600_1594398559.49/0/spring-aop-5-2-5-release-sources-1.jar/org/springframework/aop/support/PerformanceMonitorInterceptor.java
* /opt/ws_local/PERMITS_SQL/1068412600_1594398559.49/0/spring-aop-5-2-5-release-sources-1.jar/org/springframework/aop/interceptor/AbstractTraceInterceptor.java
* /opt/ws_local/PERMITS_SQL/1068412600_1594398559.49/0/spring-aop-5-2-5-release-sources-1.jar/org/springframework/aop/interceptor/AbstractMonitoringInterceptor.java
* /opt/ws_local/PERMITS_SQL/1068412600_1594398559.49/0/spring-aop-5-2-5-release-sources-1.jar/org/springframework/aop/interceptor/AbstractInterceptorDrivenBeanDefinitionDecorator.java
* /opt/ws_local/PERMITS_SQL/1068412600_1594398559.49/0/spring-aop-5-2-5-release-sources-1.jar/org/springframework/aop/interceptor/SimpleTraceInterceptor.java
* /opt/ws_local/PERMITS_SQL/1068412600_1594398559.49/0/spring-aop-5-2-5-release-sources-1.jar/org/springframework/aop/interceptor/AbstractPointcutAdvisor.java
* /opt/ws_local/PERMITS_SQL/1068412600_1594398559.49/0/spring-aop-5-2-5-release-sources-1.jar/org/springframework/aop/interceptor/DefaultPointcutAdvisor.java
* /opt/ws_local/PERMITS_SQL/1068412600_1594398559.49/0/spring-aop-5-2-5-release-sources-1.jar/org/springframework/aop/interceptor/AbstractGenericPointcutAdvisor.java
* /opt/ws_local/PERMITS_SQL/1068412600_1594398559.49/0/spring-aop-5-2-5-release-sources-1.jar/org/springframework/aop/interceptor/AbstractBeanFactoryPointcutAdvisor.java
* /opt/ws_local/PERMITS_SQL/1068412600_1594398559.49/0/spring-aop-5-2-5-release-sources-1.jar/org/springframework/aop/config/MethodLocatingFactoryBean.java
* /opt/ws_local/PERMITS_SQL/1068412600_1594398559.49/0/spring-aop-5-2-5-release-sources-1.jar/org/springframework/aop/support/AbstractPointcutAdvisor.java
* /opt/ws_local/PERMITS_SQL/1068412600_1594398559.49/0/spring-aop-5-2-5-release-sources-1.jar/org/springframework/aop/support/AbstractExpressionPointcutAdvisor.java
* /opt/ws_local/PERMITS_SQL/1068412600_1594398559.49/0/spring-aop-5-2-5-release-sources-1.jar/org/springframework/aop/support/AbstractGenericPointcutAdvisor.java
* /opt/ws_local/PERMITS_SQL/1068412600_1594398559.49/0/spring-aop-5-2-5-release-sources-1.jar/org/springframework/aop/support/AbstractInterceptorDrivenBeanDefinitionDecorator.java
* /opt/ws_local/PERMITS_SQL/1068412600_1594398559.49/0/spring-aop-5-2-5-release-sources-1.jar/org/springframework/aop/support/DelegatingIntroductionInterceptor.java
* /opt/ws_local/PERMITS_SQL/1068412600_1594398559.49/0/spring-aop-5-2-5-release-sources-1.jar/org/springframework/aop/support/DefaultPointcutAdvisor.java
* /opt/ws_local/PERMITS_SQL/1068412600_1594398559.49/0/spring-aop-5-2-5-release-sources-1.jar/org/springframework/aop/support/AbstractPerTargetObjectIntroductionInterceptor.java
* /opt/ws_local/PERMITS_SQL/1068412600_1594398559.49/0/spring-aop-5-2-5-release-sources-1.jar/org/springframework/aop/support/PerformanceMonitorInterceptor.java
* /opt/ws_local/PERMITS_SQL/1068412600_1594398559.49/0/spring-aop-5-2-5-release-sources-1.jar/org/springframework/aop/support/ExpressionPointcutAdvisor.java
* /opt/ws_local/PERMITS_SQL/1068412600_1594398559.49/0/spring-aop-5-2-5-release-sources-1.jar/org/springframework/aop/support/DefaultPointcutAdvisor.java
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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1068412600_1594398559.49/0/spring-aop-5-2-5-release-sources-1.jar/org/springframework/aop/config/AspectEntry.java
* /opt/ws_local/PERMITS_SQL/1068412600_1594398559.49/0/spring-aop-5-2-5-release-sources-1.jar/org/springframework/aop/config/AspectComponentDefinition.java
* /opt/ws_local/PERMITS_SQL/1068412600_1594398559.49/0/spring-aop-5-2-5-release-sources-1.jar/org/springframework/aop/aspectj/AspectJAroundAdvice.java
* /opt/ws_local/PERMITS_SQL/1068412600_1594398559.49/0/spring-aop-5-2-5-release-sources-1.jar/org/springframework/aop/framework/autoproxy/InfrastructureAdvisorAutoProxyCreator.java
* /opt/ws_local/PERMITS_SQL/1068412600_1594398559.49/0/spring-aop-5-2-5-release-sources-1.jar/org/springframework/aop/SpringProxy.java
* /opt/ws_local/PERMITS_SQL/1068412600_1594398559.49/0/spring-aop-5-2-5-release-sources-1.jar/org/springframework/aop/framework/AopInfrastructureBean.java

---

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* /opt/ws_local/PERMITS_SQL/1068412600_1594398559.49/0/spring-aop-5-2-5-release-sources-1-jar/org/aopalliance/intercept/MethodInvocation.java
* /opt/ws_local/PERMITS_SQL/1068412600_1594398559.49/0/spring-aop-5-2-5-release-sources-1-jar/org/aopalliance/intercept/ConstructorInterceptor.java
* /opt/ws_local/PERMITS_SQL/1068412600_1594398559.49/0/spring-aop-5-2-5-release-sources-1-jar/org/springframework/aop/aspectj/annotation/SimpleMetadataAwareAspectInstanceFactory.java
* /opt/ws_local/PERMITS_SQL/1068412600_1594398559.49/0/spring-aop-5-2-5-release-sources-1-jar/org/springframework/aop/config/AspectJAutoProxyBeanDefinitionParser.java
* /opt/ws_local/PERMITS_SQL/1068412600_1594398559.49/0/spring-aop-5-2-5-release-sources-1-jar/org/springframework/aop/aspectj/annotation/MetadataAwareAspectInstanceFactory.java
* /opt/ws_local/PERMITS_SQL/1068412600_1594398559.49/0/spring-aop-5-2-5-release-sources-1-jar/org/springframework/aop/framework/aop/config/AspectJAutoProxyBeanDefinitionParser.java
* /opt/ws_local/PERMITS_SQL/1068412600_1594398559.49/0/spring-aop-5-2-5-release-sources-1-jar/org/springframework/aop/framework/aop/aspectj/annotation/MetadataAwareAspectInstanceFactory.java
* /opt/ws_local/PERMITS_SQL/1068412600_1594398559.49/0/spring-aop-5-2-5-release-sources-1-jar/org/springframework/aop/framework/aop/framework/ProxyFactory.java
* /opt/ws_local/PERMITS_SQL/1068412600_1594398559.49/0/spring-aop-5-2-5-release-sources-1-jar/org/springframework/aop/framework/autoproxy/TargetSourceCreator.java
* /opt/ws_local/PERMITS_SQL/1068412600_1594398559.49/0/spring-aop-5-2-5-release-sources-1-jar/org/springframework/aop/framework/autoproxy/TargetSourceCreator.java
* /opt/ws_local/PERMITS_SQL/1068412600_1594398559.49/0/spring-aop-5-2-5-release-sources-1-jar/org/springframework/aop/framework/autoproxy/Invocation.java
* /opt/ws_local/PERMITS_SQL/1068412600_1594398559.49/0/spring-aop-5-2-5-release-sources-1-jar/org/aopalliance/aspectj/AspectJAfterReturningAdvice.java
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1.168 netty-transport 4.1.63.Final

1.168.1 Available under license :

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Manifest-Version: 1.0
Implementation-Title: Netty/Transport
Bundle-Description: Netty is an asynchronous event-driven network appli
ication 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: 4.1.63.Final

Built-By: root

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: 4.1.63.Final

Created-By: Apache Maven Bundle Plugin

Build-Jdk: 1.8.0_272

Implementation-URL: https://netty.io/netty-transport/

* /opt/cola/permits/1168237001_1621962030.66/0/netty-transport-4-1-63-final-jar/META-INF/MANIFEST.MF

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Found in path(s):
* /opt/cola/permits/1168237001_1621962030.66/0/netty-transport-4-1-63-final-jar/META-INF/maven/io.netty/netty-transport/pom.xml

1.169 go-macaron-binding 0.0.0-20190806013118-0b4f37bab25b
1.169.1 Available under license :
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Found in path(s):
* /opt/cola/permits/1213299318_1635451626.59/0/golang-github-macaron-contrib-binding-rdo-common-zip/golang-github-macaron-contrib-binding-rdo-common/golang-github-macaron-contrib-binding.spec

1.170 yum 3.4.3 163.el7.centos
1.170.1 Available under license :
diff --git a/yum/update_md.py b/yum/update_md.py
--- a/yum/update_md.py 2015-01-19 07:44:35.567107008 -0500
@@ -398,6 +399,9 @@ class UpdateMetadata(object):
 except Errors.RepoMDError:
     continue # No metadata found for this repo

+    self.arch_storage = ArchStorage()
+    self.archlist = self.arch_storage.archlist
+    def get_notices(self, name=None):
"Return all notices."

if name is None:
@@ -434,16 +438,29 @@ class UpdateMetadata(object):
     name = oldpkg[0]
     arch = oldpkg[1]
     ret = []
+    other_arch_list = []
+    notices = set()
     for notice in self.get_notices(name):
         for upkg in notice['pkglist']:
             for pkg in upkg['packages']:
+                other_arch = False
                 if pkg['name'] != name or pkg['arch'] != arch:
                     continue
+                    if (notice not in notices and pkg['name'] == name and pkg['arch'] in self.archlist):
                        other_arch = True
+                    else:
+                        continue
                     pkgtup = (pkg['name'], pkg['arch'], pkg['epoch'] or '0',
                               pkg['version'], pkg['release'])
                     if _rpm_tup_vercmp(pkgtup, oldpkg[0]) <= 0:
                         continue
-                    ret.append((pkgtup, notice))
+                    if other_arch:
+                        other_arch_list.append((pkgtup, notice))
+                    else:
+                        ret.append((pkgtup, notice))
+                        notices.add(notice)
     for pkgtup, notice in other_arch_list:
-        if notice not in notices:
+        if notice not in notices:
+            ret.append((pkgtup, notice))
     ret.sort(cmp=_rpm_tup_vercmp, key=lambda x: x[0], reverse=True)
     return ret

diff -up yum-3.4.3/yum/update_md.py.old yum-3.4.3/yum/update_md.py
+++ yum-3.4.3/yum/update_md.py2015-05-28 19:24:05.971806965 +0200
@@ -33,6 +33,7 @@ import Errors
     import logginglevels
@@ -434,16 +438,29 @@ class UpdateMetadata(object):
     name = oldpkg[0]
     arch = oldpkg[1]
     ret = []
+    other_arch_list = []
+    notices = set()
     for notice in self.get_notices(name):
         for upkg in notice['pkglist']:
             for pkg in upkg['packages']:
+                other_arch = False
                 if pkg['name'] != name or pkg['arch'] != arch:
                     continue
+                    if (notice not in notices and pkg['name'] == name and pkg['arch'] in self.archlist):
                        other_arch = True
+                    else:
+                        continue
                     pkgtup = (pkg['name'], pkg['arch'], pkg['epoch'] or '0',
                               pkg['version'], pkg['release'])
                     if _rpm_tup_vercmp(pkgtup, oldpkg[0]) <= 0:
                         continue
-                    ret.append((pkgtup, notice))
+                    if other_arch:
+                        other_arch_list.append((pkgtup, notice))
+                    else:
+                        ret.append((pkgtup, notice))
+                        notices.add(notice)
     for pkgtup, notice in other_arch_list:
-        if notice not in notices:
+        if notice not in notices:
+            ret.append((pkgtup, notice))
     ret.sort(cmp=_rpm_tup_vercmp, key=lambda x: x[0], reverse=True)
     return ret

diff -up yum-3.4.3/yum/update_md.py.org yum-3.4.3/yum/update_md.py
--- yum-3.4.3/yum/update_md.py.org2017-01-24 18:55:03.5298691937 +0200
@@ -33,6 +33,7 @@ import Errors
     import logginglevels
     from rpmUtils.miscutils import logginglevels
     from rpmUtils.miscutils import ArchStorage

     def safe_iterparse(filename, logger=None):
class UpdateNotice(object):
    A single update notice (for instance, a security fix).

    - def __init__(self, elem=None):
    + def __init__(self, elem=None, repoid=None, vlogger=None):
        self._md = {
            'from' : '',
            'type' : '',
        }

    @@ -83,6 +83,9 @@ class UpdateNotice(object):
        if elem:
            self._parse(elem)

    + self._repoid = repoid
    + self._vlogger = vlogger
    +
    + def __getitem__(self, item):
        """ Allows scriptable metadata access (ie: un['update_id']). ""
        if type(item) is int:
    @@ -103,6 +106,24 @@ class UpdateNotice(object):
            "+" + other._rid + " differs in some fields:
            "+" + un._rid + "
            "" + self._rid + ""
    +
    + def _rid(un):
        if hasattr(un, '_repoid') and un._repoid is not None:
            return un._repoid
        else:
            return '<unknown>'
    +
    + def _log_failure(data):
        """Log the mismatched data similarly to conflict markers in git.""
        if self._vlogger is None:
            return
        msg = _('Duplicate of %s differs in some fields:
')
        msg += '<<<<<<< %s:%s
' % (un._rid if un._repoid is not None else '<unknown>', data)
        msg += '%r
=======
%r
' % (other._md[data], self._md[data])
        msg += '>>>>>>> %s:%s' % (self._rid, data)

    if not other or not hasattr(other, '_md'):
    @@ -113,6 +134,7 @@ class UpdateNotice(object):
        if data == 'status': # FIXME: See below...
            continue
        if self._md[data] != other._md[data]:
            return False

    @@ -155,12 +177,14 @@ class UpdateNotice(object):
            "+" + un._rid + " differs in some fields:
            "+" + un._rid + "
            "" + self._rid + ""
    +
    + def _rid(un):
        if hasattr(un, '_repoid') and un._repoid is not None:
            return un._repoid
        else:
            return '<unknown>'
    +
    + def _log_failure(data):
        """Log the mismatched data similarly to conflict markers in git.""
        if self._vlogger is None:
            return
        msg = _('Duplicate of %s differs in some fields:
')
        msg += '<<<<<<< %s:%s
' % (un._rid if un._repoid is not None else '<unknown>', data)
        msg += '%r
=======
%r
' % (other._md[data], self._md[data])
        msg += '>>>>>>> %s:%s' % (self._rid, data)
    + # --verbose mode enables this
    + self._vlogger.log(logging.levels.DEBUG_3, msg)
    +
    if not other or not hasattr(other, '_md'):
        return False

    @@ -169,6 +191,12 @@ class UpdateNotice(object):
        continue
        if self._md[data] != other._md[data]:
            return False

    @@ -231,7 +255,10 @@ class UpdateNotice(object):
        """Log the mismatched data similarly to conflict markers in git.""
        if self._vlogger is None:
            return
    +
    + def _rid(un):
        if hasattr(un, '_repoid') and un._repoid is not None:
            return un._repoid
        else:
            return '<unknown>'
    +
    + def _log_failure(data):
        """Log the mismatched data similarly to conflict markers in git.""
        if self._vlogger is None:
            return
        msg = _('Duplicate of %s differs in some fields:
')
        msg += '<<<<<<< %s:%s
' % (un._rid if un._repoid is not None else '<unknown>', data)
        msg += '%r
=======
%r
' % (other._md[data], self._md[data])
        msg += '>>>>>>> %s:%s' % (self._rid, data)
    + # --verbose mode enables this
    + self._vlogger.log(logging.levels.DEBUG_3, msg)
    +
    if not other or not hasattr(other, '_md'):
        return False

    @@ -249,12 +275,15 @@ class UpdateNotice(object):
            continue
            if self._md[data] != other._md[data]:
                return False

    @@ -264,7 +292,10 @@ class UpdateNotice(object):
        """Log the mismatched data similarly to conflict markers in git.""
        if self._vlogger is None:
            return
    +
        def _log_failure(data):
            """Log the mismatched data similarly to conflict markers in git.""
            if self._vlogger is None:
                return
        msg = _("Duplicate of %s differs in some fields:
"" + '<<<<<<< %s:%s
' % (un._rid if un._repoid is not None else '<unknown>', data)
        msg += '%r
=======
%r
' % (other._md[data], self._md[data])
        msg += '>>>>>>> %s:%s' % (self._rid, data)
    + # --verbose mode enables this
    + self._vlogger.log(logging.levels.DEBUG_3, msg)
    +
    if not other or not hasattr(other, '_md'):
        return False
+       _log_failure(data)
        return False
    # FIXME: Massive hack, Fedora is really broken and gives status=stable
    # and status=testing for updateinfo notices, just depending on which
@@ -120,8 +142,10 @@ class UpdateNotice(object):
        data = 'status'
        if self._md[data] != other._md[data]:
            if self._md[data] not in ('stable', 'testing'):
+                _log_failure(data)
                return False
+                _log_failure(data)
                return False
    # They are both really "stable" ...
    self._md[data] = 'stable'
@@ -574,7 +598,7 @@ class UpdateMetadata(object):
      for event, elem in safe_iterparse(infile, logger=self._logger):
        if elem.tag == 'update':
            try:
-                un = UpdateNotice(elem)
+                un = UpdateNotice(elem, repoid, self._vlogger)
            except UpdateNoticeException, e:
                msg = _("An update notice%s is broken, skipping.") % _rid(repoid)
                if self._vlogger:
@@ -587,6 +611,8 @@ class UpdateMetadata(object):
            msg = _("Update notice %s%s is broken, or a bad duplicate, skipping.") % (un['update_id'],
                _rid(repoid))
            if not have_dup:
+                msg += _("You should report this problem to the owner of the %s repository.") % _rid(repoid, "%s ")
+                have_dup = True
+                if self._vlogger:
                self._vlogger.warn("%s", msg)

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1.171 golang-snappy 0.0.1

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1.172 go-yaml 2.2.3

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a9416c67da9f
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Protocol Buffers for Go with Gadgets

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

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https://github.com/golang/protobuf

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In the Go language, "tomb" provides support for clean goroutine termination.

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>>> freebsd-base64-4.8
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base64.c -- routines to encode/decode base64 data
$OpenLDAP: pkg/ldap/libraries/liblutil/base64.c,v 1.15 2006/01/03 22:12:11 kurt Exp $ /
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From e5a63c34a5c71fca25ae49a326c129fabaab8a3e Mon Sep 17 00:00:00 2001
From: Jan Chaloupka <jchaloup@redhat.com>
Date: Thu, 8 Oct 2015 13:40:35 +0200
Subject: [PATCH] add license

---
LICENSE | 23 +++++++++++++++++++++++
1 file changed, 23 insertions(+)
create mode 100644 LICENSE
diff --git a/LICENSE b/LICENSE
new file mode 100644
index 0000000..76edf5e
--- /dev/null
+++ b/LICENSE
@@ -0,0 +1,23 @@
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\ No newline at end of file
--
1.9.3
Open Source Used In ND-NODE v2.1.2b  2740

Found in path(s):
* /opt/cola/permits/1116231198_1608145444.23/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-WzqxORBa/add-license.patch

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

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Found in path(s):
* /opt/cola/permits/1116231198_1608145444.23/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-WzqxORBa/blas-80dca99229ccccca259b550ae3f755cf79c65a224.tar.gz-cosi-expand-archive-fgzReu0e/blas-80dca99229ccccca259b550ae3f755cf79c65a224/cgo/blas.go

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

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

---
native/dgemm.go | 2 +-  
native/general_single.go | 2 -
native/inteernal/math32/math.go | 113 +++++++++++++++++++++++
native/inteernal/math32/math_test.go | 226 ++++++++++++++++++++++++++++++++++
native/inteernal/math32/sqrt.go | 25 +++
native/inteernal/math32/sqrt_amd64.go | 20 +++
native/inteernal/math32/sqrt_amd64.s | 20 +++
native/inteernal/math32/math.go | 113 --------------
native/inteernal/math32/math_test.go | 226 -------------------------
native/inteernal/math32/sqrt.go | 25 ----
native/inteernal/math32/sqrt_amd64.go | 20 ---
native/inteernal/math32/sqrt_amd64.s | 20 ---
native/level1double.go | 2 +-  
native/level1double_ddot.go | 2 +-  
native/level1single.go | 4 +-  
native/level1single_dsdot.go | 2 +-  
native/level1single_sdot.go | 2 +-  
native/level1single_sdsdot.go | 2 +-  
native/level2double.go | 2 +-  
native/level2single.go | 2 +-  
native/level3double.go | 2 +-  
native/level3single.go | 2 +-  
native/sgemm.go | 2 +-  
23 files changed, 418 insertions(+), 418 deletions(-)
create mode 100644 native/inteernal/math32/math.go
create mode 100644 native/inteernal/math32/math_test.go
create mode 100644 native/inteernal/math32/sqrt.go
create mode 100644 native/inteernal/math32/sqrt_amd64.go
create mode 100644 native/inteernal/math32/sqrt_amd64.s
package native

import "github.com/gonum/blas"
+package math32
+
+import (  
+    "math"
+)
+
+const (  
+    unan    = 0x7fc00000
+    uinf    = 0x7f800000
+    uneginf = 0xff800000
+    mask    = 0x7f8 >> 3
+    shift   = 32 - 8 - 1
+    bias    = 127
+)
+
+// Abs returns the absolute value of x.
+// Special cases are:
+// Abs(Inf) = +Inf
+// Abs(NaN) = NaN
+func Abs(x float32) float32 {  
+    switch {  
+        case x < 0:  
+            return -x  
+        case x == 0:  
+            return 0 // return correctly abs(-0)
+    }  
+    return x  
+
+// Copysign returns a value with the magnitude
+// of x and the sign of y.
+func Copysign(x, y float32) float32 {  
+    const sign = 1 << 31
+    return math.Float32frombits(math.Float32bits(x)&^sign | math.Float32bits(y)&sign)
+}
+
+// Hypot returns Sqrt(p*p + q*q), taking care to avoid
+// unnecessary overflow and underflow.
+// Special cases are:
+// Hypot(Inf, q) = +Inf
+// Hypot(p, Inf) = +Inf
+// Hypot(NaN, q) = NaN
+// Hypot(p, NaN) = NaN
+func Hypot(p, q float32) float32 {  
+    switch {

case IsInf(p, 0) || IsInf(q, 0):
  return Inf(1)
+case IsNaN(p) || IsNaN(q):
  return NaN()
+
  if p < 0 {
    p = -p
    +}
  +if q < 0 {
    q = -q
    +}
  +if p < q {
    p, q = q, p
    +}
  +if p == 0 {
    return 0
    +}
  +q = q / p
  +return p * Sqrt(1+q*q)
  +}

  +// Inf returns positive infinity if sign >= 0, negative infinity if sign < 0.
  +func Inf(sign int) float32 {
    +var v uint32
    +if sign >= 0 {
      v = uinf
      +}
    +else {
      v = uneginf
      +}
    +return math.Float32frombits(v)
    +}

  +// IsInf reports whether f is an infinity, according to sign.
  +// If sign > 0, IsInf reports whether f is positive infinity.
  +// If sign < 0, IsInf reports whether f is negative infinity.
  +// If sign == 0, IsInf reports whether f is either infinity.
  +func IsInf(f float32, sign int) bool {
    +// Test for infinity by comparing against maximum float.
    +// To avoid the floating-point hardware, could use:
    +// x := math.Float32bits(f);
    +// return sign >= 0 && x == uinf || sign <= 0 && x == uneginf;
    +// return sign >= 0 && f > math.MaxFloat32 || sign <= 0 && f < -math.MaxFloat32
    +}

  +// IsNaN reports whether f is an IEEE 754 `not-a-number` value.
  +func IsNaN(f float32) (is bool) {
    +// IEEE 754 says that only NaNs satisfy f != f.
    +// To avoid the floating-point hardware, could use:
// x := math.Float32bits(f);
// return uint32(x>>shift)&mask == mask && x != uinf && x != uneginf
+return f != f
+
+// NaN returns an IEEE 754 `not-a-number` value.
+func NaN() float32 { return math.Float32frombits(unan) }

--- /dev/null
+++ b/native/inteernal/math32/math_test.go
@@ -0,0 +1,226 @@

package math32
+
+import (
+    "math"
+    "testing"
+    "testing/quick"
+
+    "github.com/gonum/floats"
+
+const tol = 1e-7
+
+func TestAbs(t *testing.T) {
+    f := func(x float32) bool {
+        y := Abs(x)
+        return y == float32(math.Abs(float64(x)))
+    }
+    if err := quick.Check(f, nil); err != nil {
+        t.Error(err)
+    }
+}
+
+func TestCopySign(t *testing.T) {
+    f := func(x struct{ X, Y float32 }) bool {
+        y := Copysign(x.X, x.Y)
+        return y == float32(math.Copysign(float64(x.X), float64(x.Y)))
+    }
+    if err := quick.Check(f, nil); err != nil {
+        t.Error(err)
+    }
+}
+func TestHypot(t *testing.T) {
    f := func(x struct{ X, Y float32 }) bool {
        y := Hypot(x.X, x.Y)
        if math.Hypot(float64(x.X), float64(x.Y)) > math.MaxFloat32 {
            return true
        }
        return floats.EqualWithinRel(float64(y), math.Hypot(float64(x.X), float64(x.Y)), tol)
    }
    if err := quick.Check(f, nil); err != nil {
        t.Error(err)
    }
}

+func TestInf(t *testing.T) {
    if float64(Inf(1)) != math.Inf(1) || float64(Inf(-1)) != math.Inf(-1) {
        t.Error("float32(inf) not infinite")
    }
}

+func TestIsInf(t *testing.T) {
    posInf := float32(math.Inf(1))
    negInf := float32(math.Inf(-1))
    if !IsInf(posInf, 0) || !IsInf(negInf, 0) || !IsInf(posInf, 1) || !IsInf(negInf, -1) || IsInf(posInf, -1) || IsInf(negInf, 1) {
        t.Error("unexpected isInf value")
    }
    f := func(x struct {
        F    float32
        Sign int
    }) bool {
        y := IsInf(x.F, x.Sign)
        return y == math.IsInf(float64(x.F), x.Sign)
    }
    if err := quick.Check(f, nil); err != nil {
        t.Error(err)
    }
}

+func TestIsNaN(t *testing.T) {
    f := func(x float32) bool {
        y := IsNaN(x)
        return y == math.IsNaN(float64(x))
    }
    if err := quick.Check(f, nil); err != nil {
        t.Error(err)
    }
}
func TestNaN(t *testing.T) {
    if !math.IsNaN(float64(NaN())) {
        t.Errorf("float32(nan) is a number: \%f", NaN())
    }
}

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

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

// __ieee754_sqrt(x)
// Return correctly rounded sqrt.
//   --------------------------------------------------------------
//   | Use the hardware sqrt if you have one |
//   --------------------------------------------------------------
// Method:
// Bit by bit method using integer arithmetic. (Slow, but portable)
// 1. Normalization
// Scale x to y in [1,4) with even powers of 2:
// find an integer k such that 1 <= (y=x*2**(2k)) < 4, then
// sqrt(x) = 2**k * sqrt(y)
2. Bit by bit computation

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

\[
\begin{align*}
& i & i+1 & 2 \\
& s = 2^i q, \quad \text{and} \quad y = 2^i \left( y - q \right). & (1) \\
& i & i & i \\
\end{align*}
\]

To compute \( q_{i+1} \) from \( q_i \), one checks whether

\[
\begin{align*}
& i+1 & i \\
& -(i+1) 2 \\
& \left( q + 2^{-i} \right) \leq y. & (2) \\
& i \\
\end{align*}
\]

If (2) is false, then \( q_{i+1} = q_i \); otherwise \( q_{i+1} = q_i + 2^{-i} \).

With some algebraic manipulation, it is not difficult to see that (2) is equivalent to

\[
\begin{align*}
& i & i \\
& -(i+1) \\
& s + 2^{-i} \leq y & (3) \\
\end{align*}
\]

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

\[
\begin{align*}
& i & i \\
\end{align*}
\]

the following recurrence formula:

\[
\begin{align*}
& i+1 & i & i+1 & i \\
& s = s, \quad y = y; & (4) \\
\end{align*}
\]

otherwise,

\[
\begin{align*}
& i & i+1 & -(i+1) \\
& s = s + 2^{-i}, \quad y = y - s - 2 & (5) \\
& i+1 & i & i+1 & i & i \\
\end{align*}
\]

One may easily use induction to prove (4) and (5).

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

3. Final rounding

After generating the 53 bits result, we compute one more bit.

Together with the remainder, we can decide whether the result is exact, bigger than \( 1/2 \text{ulp} \), or less than \( 1/2 \text{ulp} \).

(it will never equal to \( 1/2 \text{ulp} \)).

The rounding mode can be detected by checking whether \( \text{huge} + \text{tiny} \) is equal to \( \text{huge} \), and whether \( \text{huge} - \text{tiny} \) is equal to huge for some floating point number "huge" and "tiny".
func sqrt(x float32) float32 {
    special cases
    switch {
    case x == 0 || IsNaN(x) || IsInf(x, 1):
        return x
    case x < 0:
        return NaN()
    }
    ix := math.Float32bits(x)
    normalize x
    exp := int((ix >> shift) & mask)
    if exp == 0 { // subnormal x
        for ix&l<<shift == 0 {
            ix <<= 1
            exp--
        }
        exp++
    }
    exp -= bias // unbias exponent
    ix &^= mask << shift
    exp |= 1 << shift
    if exp&1 == 1 { // odd exp, double x to make it even
        ix <<= 1
    }
    exp >>= 1 // exp = exp/2, exponent of square root
    generate sqrt(x) bit by bit
    ix <<= 1
    var q, s uint32 // q = sqrt(x)
    r := uint32(1 << (shift + 1)) // r = moving bit from MSB to LSB
    for r != 0 {
        t := s + r
        if t <= ix {
            s = t + r
            ix -= t
            q += r
        }
        ix <<= 1
        r >>= 1
    }
    // final rounding
    if ix != 0 { // remainder, result not exact
        q += q & 1 // round according to extra bit
    }
    ix = q>>1 + uint32(exp-1+bias)<<shift // significand + biased exponent
    return math.Float32frombits(ix)
}
new file mode 100644
index 0000000..058b731
--- /dev/null
+++ b/native/inteernal/math32/sqrt.go
@@ -0,0 +1,25 @@
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+// license that can be found in the LICENSE file.
+
+//+build !amd64 noasm
+
+package math32
+
+import (
+  "math"
+
+
+// Sqrt returns the square root of x.
+//
+// Special cases are:
+// Sqrt(+Inf) = +Inf
+// Sqrt(0) = 0
+// Sqrt(x < 0) = NaN
+// Sqrt(NaN) = NaN
+func Sqrt(x float32) float32 {
+  // FIXME(kortschak): Direct translation of the math package
+  // asm code for 386 fails to build. No test hardware is available
+  // for arm, so using conversion instead.
+  return float32(math.Sqrt(float64(x)))
+}

diff --git a/native/inteernal/math32/sqrt_amd64.go b/native/inteernal/math32/sqrt_amd64.go
new file mode 100644
index 0000000..ca11639
--- /dev/null
+++ b/native/inteernal/math32/sqrt_amd64.go
@@ -0,0 +1,20 @@
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+
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+// license that can be found in the LICENSE file.
+
+//+build !noasm
+
+package math32
+
// Sqrt returns the square root of x.

// Special cases are:
// Sqrt(+Inf) = +Inf
// Sqrt(0) = 0
// Sqrt(x < 0) = NaN
// Sqrt(NaN) = NaN
func Sqrt(x float32) float32

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// license that can be found in the LICENSE file.
+
//+build !noasm
+
// TODO(kortschak): use textflag.h after we drop Go 1.3 support
+#include "textflag.h"
// Don't insert stack check preamble.
#define NOSPLIT
+
// func Sqrt(x float32) float32
+TEXT Sqrt(SB),NOSPLIT,$0
+SQRTSS x+0(FP), X0
+MOVSS X0, ret+8(FP)
+RET

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-
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-
-// Package math32 provides float32 versions of standard library math package
-// routines used by gonum/blas/native.
-package math32
-
-import (  
-"math"
-)
-
-const (  
-unan    = 0x7fc00000  
-uinf    = 0x7f800000  
-uneginf = 0xff800000  
-mask    = 0x7f8 >> 3  
-shift   = 32 - 8 - 1  
-bias    = 127
-)
-
-// Abs returns the absolute value of x.
-//
-// Special cases are:
-//Abs(Inf) = +Inf
-//Abs(NaN) = NaN
-func Abs(x float32) float32 {  
-switch {  
-case x < 0:  
-return -x  
-case x == 0:  
-return 0 // return correctly abs(-0)  
-}  
-return x  
-}
-
-// Copysign returns a value with the magnitude  
-// of x and the sign of y.  
-func Copysign(x, y float32) float32 {  
-const sign = 1 << 31  
-return math.Float32frombits(math.Float32bits(x)&^sign | math.Float32bits(y)&sign)  
-}
-
-// Hypot returns Sqrt(p*p + q*q), taking care to avoid  
-// unnecessary overflow and underflow.  
-//
-// Special cases are:  
-//Hypot(Inf, q) = +Inf  
-//Hypot(p, Inf) = +Inf  
-//Hypot(Inf, q) = NaN  
-//Hypot(p, NaN) = NaN  
-func Hypot(p, q float32) float32 {
// special cases
switch {
    case IsInf(p, 0) || IsInf(q, 0):
        return Inf(1)
    case IsNaN(p) || IsNaN(q):
        return NaN()
}

if p < 0 {
    p = -p
}

if q < 0 {
    q = -q
}

if p < q {
    p, q = q, p
}

if p == 0 {
    return 0
}

q = q / p
return p * Sqrt(1+q*q)

// Inf returns positive infinity if sign >= 0, negative infinity if sign < 0.
func Inf(sign int) float32 {
    var v uint32
    if sign >= 0 {
        v = uinf
    } else {
        v = uneginf
    }
    return math.Float32frombits(v)
}

// IsInf reports whether f is an infinity, according to sign.
// If sign > 0, IsInf reports whether f is positive infinity.
// If sign < 0, IsInf reports whether f is negative infinity.
// If sign == 0, IsInf reports whether f is either infinity.
func IsInf(f float32, sign int) bool {
    // Test for infinity by comparing against maximum float.
    // To avoid the floating-point hardware, could use:
    // x := math.Float32bits(f);
    // return sign >= 0 && x == uinf || sign <= 0 && x == uneginf;
    // return sign >= 0 && f > math.MaxFloat32 || sign <= 0 && f < -math.MaxFloat32
    return false
}

// IsNaN reports whether f is an IEEE 754 "not-a-number" value.
func IsNaN(f float32) (is bool) {
// IEEE 754 says that only NaNs satisfy f != f.
// To avoid the floating-point hardware, could use:
//
// x := math.Float32bits(f);
// return uint32(x shifted) & mask == mask && f != uinf && f != uneginf
// return f != f
//
// NaN returns an IEEE 754 "not-a-number" value.
// NaN() float32 { return math.Float32frombits(unan) }

package math32

import (
    "math"
    "testing"
    "testing/quick"
    "github.com/gonum/floats"
)

const tol = 1e-7

func TestAbs(t *testing.T) {
    f := func(x float32) bool {
        return math.Abs(float64(x)) == float32(Abs(x))
    }
    if err := quick.Check(f, nil); err != nil {
        t.Error(err)
    }
}

func TestCopySign(t *testing.T) {
    f := func(x struct{ X, Y float32 }) bool {
        return Copysign(x.X, x.Y) == float32(math.Copysign(float64(x.X), float64(x.Y)))
    }
    if err := quick.Check(f, nil); err != nil {
        t.Error(err)
    }
}
```go
func TestHypot(t *testing.T) {
    f := func(x struct{ X, Y float32 }) bool {
        y := Hypot(x.X, x.Y)
        if math.Hypot(float64(x.X), float64(x.Y)) > math.MaxFloat32 {
            return true
        }
        return floats.EqualWithinRel(float64(y), math.Hypot(float64(x.X), float64(x.Y)), tol)
    }
    if err := quick.Check(f, nil); err != nil {
        t.Error(err)
    }
}

func TestInf(t *testing.T) {
    if float64(Inf(1)) != math.Inf(1) || float64(Inf(-1)) != math.Inf(-1) {
        t.Error("float32(inf) not infinite")
    }
}

func TestIsInf(t *testing.T) {
    posInf := float32(math.Inf(1))
    negInf := float32(math.Inf(-1))
    if !IsInf(posInf, 0) || !IsInf(negInf, 0) || !IsInf(posInf, 1) || !IsInf(negInf, -1) || IsInf(posInf, -1) || IsInf(negInf, 1) {
        t.Error("unexpected isInf value")
    }
    f := func(x struct {
        F    float32
        Sign int
    }) bool {
        y := IsInf(x.F, x.Sign)
        return y == math.IsInf(float64(x.F), x.Sign)
    }
    if err := quick.Check(f, nil); err != nil {
        t.Error(err)
    }
}

func TestIsNaN(t *testing.T) {
    f := func(x float32) bool {
        y := IsNaN(x)
        return y == math.IsNaN(float64(x))
    }
    if err := quick.Check(f, nil); err != nil {
        t.Error(err)
    }
}

func TestIsNaN(t *testing.T) {
    f := func(x float32) bool {
        y := IsNaN(x)
        return y == math.IsNaN(float64(x))
    }
    if err := quick.Check(f, nil); err != nil {
        t.Error(err)
    }
}
```

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

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

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

// __ieee754_sqrt(x)
// Return correctly rounded sqrt.
//   -----------------------------------------
//   | Use the hardware sqrt if you have one |
//   -----------------------------------------
// Method:
//   Bit by bit method using integer arithmetic. (Slow, but portable)
//   1. Normalization
//   Scale x to y in [1,4) with even powers of 2:
find an integer k such that 1 <= (y=x*2**(2k)) < 4, then
sqrt(x) = 2**k * sqrt(y)

2. Bit by bit computation
Let q = sqrt(y) truncated to i bit after binary point (q = 1),
\[ i \]
\[ i \]
\[ s = 2^{i}q, \text{ and } y = 2^{i} (y - q). \] (1)
\[ i \]
\[ i \]
To compute q from q, one checks whether
\[ i+1 \]
\[ i \]
\[ -i \]
\[ (q + 2^{-i}) \leq y. \] (2)
\[ i \]
\[ -i \]
If (2) is false, then q = q; otherwise q = q + 2.
\[ i+1 \]
\[ i \]
\[ i+1 \]
\[ i \]
With some algebraic manipulation, it is not difficult to see
that (2) is equivalent to
\[ -i \]
\[ s + 2^{-i} \leq y \] (3)
\[ i \]
\[ i \]
The advantage of (3) is that s and y can be computed by
\[ i \]
\[ i \]
the following recurrence formula:
\[ i+1 \]
\[ i \]
\[ i+1 \]
\[ i \]
otherwise,
\[ -i \]
\[ -i \]
\[ s = s + 2, y = y - s - 2 \] (5)
\[ i+1 \]
\[ i \]
\[ i+1 \]
\[ i \]
One may easily use induction to prove (4) and (5).
Note. Since the left hand side of (3) contain only i+2 bits,
it does not necessary to do a full (53-bit) comparison
in (3).
3. Final rounding
After generating the 53 bits result, we compute one more bit.
Together with the remainder, we can decide whether the
result is exact, bigger than 1/2ulp, or less than 1/2ulp
(it will never equal to 1/2ulp).
The rounding mode can be detected by checking whether
huge + tiny is equal to huge, and whether huge - tiny is
equal to huge for some floating point number "huge" and "tiny".

```
-func sqrt(x float32) float32 {
    switch {
    case x == 0 || IsNaN(x) || IsInf(x, 1):
        return x
    case x < 0:
        return NaN()
    }
    ix := math.Float32bits(x)
    // normalize x
    exp := int((ix >> shift) & mask)
    if exp == 0 { // subnormal x
        for ix&1<<shift == 0 {
            ix <<= 1
            exp--
        }
        exp++
    }
    exp -= bias // unbias exponent
    -ix &^= mask << shift
    -ix |= 1 << shift
    if exp&1 == 1 { // odd exp, double x to make it even
        ix <<= 1
    }
    exp >>= 1 // exp = exp/2, exponent of square root
    // generate sqrt(x) bit by bit
    -ix <<= 1
    var q, s uint32     // q = sqrt(x)
    -r := uint32(1 << (shift + 1)) // r = moving bit from MSB to LSB
    for r != 0 {
        t := s + r
        if t <= ix {
            s = t + r
            ix -= t
            q += r
        }
    }
    -ix <<= 1
    -r >>= 1
    // final rounding
    if ix != 0 { // remainder, result not exact
        q += q & 1 // round according to extra bit
    }
    -ix = q>>1 + uint32(exp-1+bias)<<shift // significand + biased exponent
    return math.Float32frombits(ix)
```
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-
-//+build !amd64 noasm
-
-package math32
-
-import (  
-"math"
-)
-
-// Sqrt returns the square root of x.
-//
-// Special cases are:
-// Sqrt(+Inf) = +Inf
-// Sqrt(0) = 0
-// Sqrt(x < 0) = NaN
-// Sqrt(NaN) = NaN
- func Sqrt(x float32) float32 {  
- //FIXME(kortschak): Direct translation of the math package
- // asm code for 386 fails to build. No test hardware is available
- // for arm, so using conversion instead.
- return float32(math.Sqrt(float64(x)))  
-}

diff --git a/native/internal/math32/sqrt.go b/native/internal/math32/sqrt.go
deleted file mode 100644
index 058b731..0000000
--- a/native/internal/math32/sqrt.go
+++ /dev/null
@ @ -1,25 +0,0 @@
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-
-//+build !amd64 noasm

package math32
-
-// Sqrt returns the square root of x.
-//
-// Special cases are:
-// Sqrt(+Inf) = +Inf
-// Sqrt(0) = 0
-// Sqrt(x < 0) = NaN
-// Sqrt(NaN) = NaN
-
-//func Sqrt(x float32) float32

diff --git a/native/internal/math32/sqrt_amd64.s b/native/internal/math32/sqrt_amd64.s
deleted file mode 100644
index 595ce5d..0000000
--- a/native/internal/math32/sqrt_amd64.s
+++ /dev/null
@@ -1,20 +0,0 @@
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- -
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- -
-/+build !noasm
- -
-// TODO(kortschak): use textflag.h after we drop Go 1.3 support
-// #include "textflag.h"
-// Don't insert stack check preamble.
-#define NOSPLIT4
- -
-// func Sqrt(x float32) float32
-//TEXT Sqrt(SB),NOSPLIT,$0
-SQRTSS x+0(FP), X0
-MOVSS X0, ret+8(FP)
-RET
diff --git a/native/level1double.go b/native/level1double.go
index 0d77243..65f2972 100644
--- a/native/level1double.go
+++ b/native/level1double.go
@@ -8,7 +8,7 @@ import (
  "math"
  "github.com/gonum/blas"
  "github.com/gonum/internal/asm"
+ "github.com/gonum/internal/asm"
 )
var _ blas.Float64Level1 = Implementation{}
diff --git a/native/level1double_ddot.go b/native/level1double_ddot.go
index 7af4e04..84a16ed 100644
--- a/native/level1double_ddot.go
+++ b/native/level1double_ddot.go
@@ -5,7 +5,7 @@
package native

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

// Ddot computes the dot product of the two vectors
diff --git a/native/level1single.go b/native/level1single.go
index 6bcba83..63ea2ce 100644
--- a/native/level1single.go
+++ b/native/level1single.go
@@ -7,10 +7,10 @@
package native

import (  
  -math "github.com/gonum/blas/native/internal/math32"
  +math "github.com/gonum/blas/native/inteernal/math32"
  
  "github.com/gonum/blas"
  -"github.com/gonum/internal/asm"
  +"github.com/gonum/inteernal/asm"
  )

var _ blas.Float32Level1 = Implementation{}
diff --git a/native/level1single_dsdot.go b/native/level1single_dsdot.go
index 4665a01..a438155 100644
--- a/native/level1single_dsdot.go
+++ b/native/level1single_dsdot.go
@@ -7,7 +7,7 @@
package native

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

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

 @@ -7,7 +7,7 @@
 package native

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

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

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

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

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

 var _ blas.Float64Level2 = Implementation{}
 diff --git a/native/level2single.go b/native/level2single.go
 index b213ad6..6720c0e 100644
 --- a/native/level2single.go
 +++ b/native/level2single.go
 @@ -8,7 +8,7 @@
 package native

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

 var _ blas.Float32Level2 = Implementation{ }
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* /opt/cola/permits/1116231198_1608145444.23/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-WzqxORBa/blas-80dc99229ccca259b550ae3f755cf79c65a224.tar.gz-cosi-expand-archive-fgzReu0e/blas-80dc99229ccca259b550ae3f755cf79c65a224/native/level1double.go
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1.180 netty-handler 4.1.32.Final

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jar/io/netty/handler/ipfilter/UniqueIpFilter.java
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* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-jar/io/netty/handler/ssl/SignatureAlgorithmConverter.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-jar/io/netty/handler/ssl/OpenSslTlsv13X509ExtendedTrustManager.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-jar/io/netty/handler/ssl/OpenSslCachingX509KeyManagerFactory.java
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* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
  jar/io/netty/handler/ssl/DelegatingSslContext.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
  jar/io/netty/handler/ssl/OpenSslKeyMaterialManager.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
  jar/io/netty/handler/ssl/package-info.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
  jar/io/netty/handler/ssl/ReferenceCountedOpenSslClientContext.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
  jar/io/netty/handler/flow/package-info.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
  jar/io/netty/handler/ssl/Util/X509TrustManagerWrapper.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
  jar/io/netty/handler/ssl/ReferenceCountedOpenSslContext.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
  jar/io/netty/handler/ssl/PemPrivateKey.java
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* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/UnsafeHeapSwappedByteBuf.java
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fields:
  site: string
  author: root
1.185 jackson-databind 2.10.5.1

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

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package api

import (
    "bytes"
    "io/ioutil"
    "os"
    "path/filepath"
    "regexp"
    "testing"
)

// Files in this package use a BSD-style license.
var sentinel = regexp.MustCompile(`(//|#) Copyright \d\d\d\d \n\n(//|#) License that can be found in the LICENSE file.\n
const prefix = "// Copyright"

// A few files have to be skipped.
var skip = map[string]bool{
    "tools.go": true, // This file requires another comment above the license.
    "internal/third_party/uritemplates/uritemplates.go": true, // This file is licensed to an individual.
// This test validates that all go files in the repo start with an appropriate license.
func TestLicense(t *testing.T) {
    err := filepath.Walk(".", func(path string, fi os.FileInfo, err error) error {
        if skip[path] {
            return nil
        }

        if err != nil {
            return err
        }

        if filepath.Ext(path) != ".go" && filepath.Ext(path) != ".sh" {
            return nil
        }

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

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

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

1.193 perl-scalar-list-utils 1.27 248.el7

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1.194 nettle 2.7.1 4.el7
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1.195 containers-common 1-8.el7.13.1

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Protocol Buffers for Go with Gadgets

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

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https://github.com/golang/protobuf

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

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**1.197 pyopenssl 17.5.0**

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1.199 kr-fs v0.1.0

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*uganda.txt* For Vim version 7.4. Last change: 2013 Jul 06

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SUMMARY
*iccf* *ICCF*

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

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=== begin of license ===

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=== end of license ===

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

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

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

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

- Once a change is included that goes under the GNU GPL, this forces all further changes to also be made under the GNU GPL or a compatible license.
If you distribute a modified version of Vim, you can include your name and contact information with the "--with-modified-by" configure argument or the MODIFIED_BY define.

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

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

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

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

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

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

*donate*

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

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

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

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

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

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

Sending money:*iccf-donations*

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

USA: The methods mentioned below can be used.
Sending a check to the Nehemiah Group Outreach Society (NGOS) is no longer possible, unfortunately. We are looking for another way to get you an IRS tax receipt.
For sponsoring a child contact KCF in Canada (see below). US checks can be sent to them to lower banking costs.
Canada: Contact Kibaale Children's Fund (KCF) in Surrey, Canada. They take care of the Canadian sponsors for the children in Kibaale. KCF forwards 100% of the money to the project in Uganda. You can send them a one time donation directly. Please send me a note so that I know what has been donated because of Vim. Ask KCF for information about sponsorship. Kibaale Children's Fund c/o Pacific Academy 10238-168 Street Surrey, B.C. V4N 1Z4 Canada Phone: 604-581-5353 If you make a donation to Kibaale Children's Fund (KCF) you will receive a tax receipt which can be submitted with your tax return.

Holland: Transfer to the account of "Stichting ICCF Holland" in Lisse. This will allow for tax deduction if you live in Holland. Postbank, nr. 4548774 IBAN: NL95 INGB 0004 5487 74

Germany: It is possible to make donations that allow for a tax return. Check the ICCF website for the latest information: http://iccf-holland.org/germany.html

World: Use a postal money order. That should be possible from any country, mostly from the post office. Use this name (which is in my passport): "Abraham Moolenaar". Use Euro for the currency if possible.

Europe: Use a bank transfer if possible. Your bank should have a form that you can use for this. See "Others" below for the swift code and IBAN number. Any other method should work. Ask for information about sponsorship.

Credit Card: You can use PayPal to send money with a Credit card. This is the most widely used Internet based payment system. It's really simple to use. Use this link to find more info: https://www.paypal.com/en_US/mrb/pal=XAC62PML3GF8Q The e-mail address for sending the money to is: Bram@iccf-holland.org For amounts above 400 Euro ($500) sending a check is preferred.

Others: Transfer to one of these accounts if possible: Postbank, account 4548774 Swift code: INGB NL 2A
IBAN: NL95 INGB 0004 5487 74
under the name "stichting ICCF Holland", Lisse
If that doesn't work:
    Rabobank Lisse, account 3765.05.117
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Otherwise, send a check in euro or US dollars to the address
below. Minimal amount: $70 (my bank does not accept smaller
amounts for foreign check, sorry)

Address to send checks to:
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8134 Adliswil
Switzerland

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1.201 qemu-kvm-ev 2.12.0-44.1.el7_8.1

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Stefan Reinauer

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2 November 2007
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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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2.5   2.4  2006  PSF  yes
2.7   2.6  2010  PSF  yes

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{ TARGET_FREEBSD_NR_mknod, "mknod", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_mlock, "mlock", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_mlockall, "mlockall", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_mmap, "mmap", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_mprotect, "mprotect", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_msgctl, "msgctl", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_msgget, "msgget", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_msgrcv, "msgrcv", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_msgsnd, "msgsnd", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_msync, "msync", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_munlock, "munlock", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_munlockall, "munlockall", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_munprotect, "munprotect", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_munlockall, "munlockall", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_munprotect, "munprotect", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_munlock, "munlock", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_munlockall, "munlockall", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_munlockall, "munlockall", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_munmap, "munmap", "%s(%p,%d)", NULL, NULL },
{ TARGET_FREEBSD_NR_nanosleep, "nanosleep", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_nfssvc, "nfssvc", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_open, "open", "%s(\%s","%#x,%#o)" , NULL, NULL },
{ TARGET_FREEBSD_NR_openat, "openat", "%s%d,"%s",%#x,%#o)", NULL, NULL },
{ TARGET_FREEBSD_NR_pathconf, "pathconf", "%s(\%s", %d)" , NULL, NULL },
{ TARGET_FREEBSD_NR_pipe, "pipe", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_poll, "poll", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_pread, "pread", "pread", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_preadv, "preadv", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_prof, "prof", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_ptrace, "ptrace", "ptrace", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_pwrite, "pwrite", "pwrite", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_pwritev, "pwritev", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_quotactl, "quotactl", "quotactl", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_read, "read", "%s(\%d,%#x,%d)" , NULL, NULL },
{ TARGET_FREEBSD_NR_readlink, "readlink", "%s(\%s",%p,%d)" , NULL, NULL },
{ TARGET_FREEBSD_NR_readv, "readv", "readv", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_reboot, "reboot", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_recvfrom, "recvfrom", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_recvmsg, "recvmsg", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_rename, "rename", "%s(\%s", "%s")", NULL, NULL },
{ TARGET_FREEBSD_NR_revoke, "revoke", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_rfork, "rfork", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_rmdir, "rmdir", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_rtprio_thread, "rtprio_thread", "%s(\%d, \%d, \%p)" , NULL, NULL },
{ TARGET_FREEBSD_NR_sbrk, "sbrk", "sbrk", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sched_yield, "sched_yield", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_select, "select", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_semget, "semget", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_semop, "semop", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sendmsg, "sendmsg", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sendto, "sendto", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setcontext, "setcontext", "%s(\%x)" , NULL, NULL },
{ TARGET_FREEBSD_NR_setegid, "setegid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_seteuid, "seteuid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setgid, "setgid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setgroups, "setgroups", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setitimer, "setitimer", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setlogin, "setlogin", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setpgid, "setpgid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setpriority, "setpriority", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setregid, "setregid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setresgid, "setresgid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setresuid, "setresuid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setreuid, "setreuid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setrlimit, "setrlimit", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setsid, "setsid", NULL, NULL, NULL },
GPL License Exception:

Even though U-Boot in general is covered by the GPL-2.0/GPL-2.0+, this does not cover the so-called "standalone" applications that use U-Boot services by means of the jump table provided by U-Boot exactly for this purpose - this is merely considered normal use of
U-Boot, and does *not* fall under the heading of “derived work”.

The header files “include/image.h” and “arch/*/include/asm/u-boot.h” define interfaces to U-Boot. Including these (unmodified) header files in another file is considered normal use of U-Boot, and does *not* fall under the heading of “derived work”.

-- Wolfgang Denk
Index: debug.c
===================================================================
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/debug.c,v
retrieving revision 1.1
retrieving revision 1.3
diff -u -u -r1.1 -r1.3
--- debug.c 7 Sep 2007 10:01:21 -0000 1.1
+++ debug.c 15 Jan 2008 13:49:25 -0000 1.3
@@ -52,7 +52,11 @@
 void X86EMU_trace_regs (void)
 {
 if (DEBUG_TRACE()) {
-    x86emu_dump_regs();
+    if (M.x86.mode & (SYSMODE_PREFIX_DATA | SYSMODE_PREFIX_ADDR)) {
+        x86emu.dump_xregs();
+    } else {
+        x86emu_dump_regs();
+    }
 }
 if (DEBUG_DECODE() && ! DEBUG_DECODE_NOPRINT()) {
     printk("%04x:%04x ", M.x86.saved_cs, M.x86.saved_ip);
@@ -185,7 +189,7 @@
 for (i=0; i< M.x86.enc_pos; i++) {
     sprintf(buf1+2*i,"%02x", fetch_data_byte_abs(s,o+i));
 }
-    printk("%-20s",buf1);
+    printk("%-20s",buf1);
 }

static void print_decoded_instruction (void)
Index: ops2.c
===================================================================
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/ops2.c,v
retrieving revision 1.1
retrieving revision 1.3
diff -u -u -r1.1 -r1.3
--- ops2.c 7 Sep 2007 10:01:21 -0000 1.1
+++ ops2.c 20 Mar 2008 15:48:34 -0000 1.3
@@ -149,8 +149,69 @@
 target += (s16) M.x86.R_IP;
 DECODE_PRINTF2("%04x\n", target);
TRACE_AND_STEP();
- if (cond)
+ if (cond) {
M.x86.R_IP = (u16)target;
+JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, " LONG COND ");
+ }
+ DECODE_CLEAR_SEGOVR();
+ END_OF_INSTR();
+}
+
+/****************************************************************************
+REMARKS:
+Handles opcode 0x0f,0xC8-0xCF
+****************************************************************************/
+s32 x86emu_bswap(s32 reg)
+{
+ // perform the byte swap
+ s32 temp = reg;
+ reg = (temp & 0xFF000000) >> 24;
+ reg |= (temp & 0xFF0000) >> 8;
+ reg |= (temp & 0xFF00) << 8;
+ reg |= (temp & 0xFF) << 24;
+ return reg;
+}
+
+void x86emuOp2_bswap(u8 op2)
+{
+ /* byte swap 32 bit register */
+ START_OF_INSTR();
+ DECODE_PRINTF("BSWAP\t");
+ switch (op2) {
+
case 0xc8:
+
DECODE_PRINTF("EAX\n");
+
M.x86.R_EAX = x86emu_bswap(M.x86.R_EAX);
+
break;
+
case 0xc9:
+
DECODE_PRINTF("ECX\n");
+
M.x86.R_ECX = x86emu_bswap(M.x86.R_ECX);
+
break;
+
case 0xca:
+
DECODE_PRINTF("EDX\n");
+
M.x86.R_EDX = x86emu_bswap(M.x86.R_EDX);
+
break;
+
case 0xcb:
+
DECODE_PRINTF("EBX\n");
+
M.x86.R_EBX = x86emu_bswap(M.x86.R_EBX);
+
break;
+
case 0xcc:

Open Source Used In ND-NODE v2.1.2b 3078


+    DECODE_PRINTF("ESP\n");
+    M.x86.R_ESP = x86emu_bswap(M.x86.R_ESP);
+    break;
+    case 0xcd:
+    DECODE_PRINTF("EBP\n");
+    M.x86.R_EBP = x86emu_bswap(M.x86.R_EBP);
+    break;
+    case 0xce:
+    DECODE_PRINTF("ESI\n");
+    M.x86.R_ESI = x86emu_bswap(M.x86.R_ESI);
+    break;
+    case 0xcf:
+    DECODE_PRINTF("EDI\n");
+    M.x86.R_EDI = x86emu_bswap(M.x86.R_EDI);
+    break;
+    }
+    TRACE_AND_STEP();
+    DECODE_CLEAR_SEGOVR();
+    END_OF_INSTR();
+
+    } /* x86emuOp2_illegal_op, */
+    /* x86emuOp2_illegal_op, */
+    /* x86emuOp2_illegal_op, */
-/~ 0xc8 */ x86emuOp2_illegal_op, /* TODO: bswap */
-/* 0xc9 */ x86emuOp2_illegal_op, /* TODO: bswap */
-/* 0xca */ x86emuOp2_illegal_op, /* TODO: bswap */
-/* 0xcb */ x86emuOp2_illegal_op, /* TODO: bswap */
-/* 0xcc */ x86emuOp2_illegal_op, /* TODO: bswap */
-/* 0xcd */ x86emuOp2_illegal_op, /* TODO: bswap */
-/* 0xce */ x86emuOp2_illegal_op, /* TODO: bswap */
-/* 0xcf */ x86emuOp2_illegal_op, /* TODO: bswap */
+/* 0xc8 */ x86emuOp2_bswap,
+/* 0xc9 */ x86emuOp2_bswap,
+/* 0xca */ x86emuOp2_bswap,
+/* 0xcb */ x86emuOp2_bswap,
+/* 0xcc */ x86emuOp2_bswap,
+/* 0xcd */ x86emuOp2_bswap,
+/* 0xce */ x86emuOp2_bswap,
+/* 0xcf */ x86emuOp2_bswap,
+
+/* 0xd0 */ x86emuOp2_illegal_op,
+/* 0xd1 */ x86emuOp2_illegal_op,
Index: ops.c
===================================================================
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/ops.c,v
retrieving revision 1.1
diff -u -u -r1.1 ops.c
--- ops.c7 Sep 2007 10:01:21 -0000
+++ ops.c20 Mar 2008 16:52:00 +0000
@@ -1061,7 +1061,11 @@
     imm = (s8)fetch_byte_imm();
     DECODE_PRINTF2("PUSH\t%d\n", imm);
     TRACE_AND_STEP();
-    push_word(imm);
+    if (M.x86.mode & SYSMODE_PREFIX_DATA) {
+        push_long(imm);
+    } else {
+        push_word(imm);
+    }
     DECODE_CLEAR_SEG_ovr();
     END_OF_INSTR();
 }
@@ -1256,8 +1260,10 @@
     target = (u16)(M.x86.R_IP + (s16)offset);
     DECODE_PRINTF2("%x\n", target);
     TRACE_AND_STEP();
-    if (cond)
-    jmp_trace(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, " NEAR COND ");
+    if (cond) {
+        jmp_trace(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, " NEAR COND ");
+    }
     DECODE_CLEAR_SEG_ovr();
     END_OF_INSTR();
 }
@@ -2516,9 +2522,11 @@
     count = 1;
     if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
        /* dont care whether REPE or REPNE */
-        /* move them until CX is ZERO. */
-        count = M.x86.R_CX;
+        /* move them until (E)CX is ZERO. */
+        count = (M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX;
        M.x86.R_CX = 0;
+        if (M.x86.mode & SYSMODE_32BIT_REP)
+            M.x86.R_ECX = 0;
+        M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
     } while (count--) {
@@ -2526,6 +2534,8 @@
     store_data_byte_abs(M.x86.R_ES, M.x86.R_DI, val);
     M.x86.R_SI += inc;
     M.x86.R_DI += inc;
+        if (M.x86.intr & INTR_HALTED)
+            break;
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
@@ -2559,9 +2569,11 @@
count = 1;
    if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
        /* dont care whether REPE or REPNE */
-        /* move them until CX is ZERO. */
-        count = M.x86.R_CX;
+        /* move them until (E)CX is ZERO. */
+        count = (M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX;
        M.x86.R_CX = 0;
+        if (M.x86.mode & SYSMODE_32BIT_REP)
+            M.x86.R_ECX = 0;
        M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
    }
    while (count--) {
@@ -2574,6 +2586,8 @@
    }
    M.x86.R_SI += inc;
    M.x86.R_DI += inc;
+    if (M.x86.intr & INTR_HALTED)
+        break;
    }
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
@@ -2598,16 +2612,21 @@
    if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
        /* REPE */
-        /* move them until CX is ZERO. */
-        while (M.x86.R_CX != 0) {
+        /* move them until (E)CX is ZERO. */
+        while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
            val1 = fetch_data_byte(M.x86.R_SI);
            val2 = fetch_data_byte_abs(M.x86.R_ES, M.x86.R_DI);
            cmp_byte(val1, val2);
-            M.x86.R_CX -= 1;
+            if (M.x86.mode & SYSMODE_32BIT_REP)
+                M.x86.R_ECX -= 1;
+            else
+                M.x86.R_CX -= 1;
            M.x86.R_SI += inc;
            M.x86.R_DI += inc;
            if ( (M.x86.mode & SYSMODE_PREFIX_REPE) && (ACCESS_FLAG(F_ZF) == 0) ) break;
            if ( (M.x86.mode & SYSMODE_PREFIX_REPNE) && ACCESS_FLAG(F_ZF) ) break;
+            if (M.x86.intr & INTR_HALTED)
+                break;
        }
M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
} else {
@@ -2644,8 +2663,8 @@
TRACE_AND_STEP();
if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
 /* REPE */
 -/* move them until CX is ZERO. */
 -while (M.x86.R_CX != 0) {
 +/* move them until (E)CX is ZERO. */
 +while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
       if (M.x86.mode & SYSMODE_PREFIX_DATA) {
          val1 = fetch_data_long(M.x86.R_SI);
          val2 = fetch_data_long_abs(M.x86.R_ES, M.x86.R_DI);
@@ -2655,11 +2674,16 @@
       val2 = fetch_data_word_abs(M.x86.R_ES, M.x86.R_DI);
             cmp_word((u16)val1, (u16)val2);
           }
 -        M.x86.R_CX -= 1;
 +        if (M.x86.mode & SYSMODE_32BIT_REP)
 +          M.x86.R_ECX -= 1;
 +        else
 +          M.x86.R_CX -= 1;
 +          M.x86.R_SI += inc;
 +          M.x86.R_DI += inc;
 +          if ( ((M.x86.mode & SYSMODE_PREFIX_REPE) && ACCESS_FLAG(F_ZF) == 0 ) break;
 +          if ( (M.x86.mode & SYSMODE_PREFIX_REPNE) && ACCESS_FLAG(F_ZF) ) break;
 +            if (M.x86.intr & INTR_HALTED)
              break;
 +              break;
}
M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
} else {
@@ -2741,11 +2765,16 @@
TRACE_AND_STEP();
if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
 /* dont care whether REPE or REPNE */
 -/* move them until CX is ZERO. */
 -while (M.x86.R_CX != 0) {
 +/* move them until (E)CX is ZERO. */
 +while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
       store_data_byte_abs(M.x86.R_ES, M.x86.R_DI, M.x86.R_AL);
 -        M.x86.R_CX -= 1;
 +        if (M.x86.mode & SYSMODE_32BIT_REP)
 +          M.x86.R_ECX -= 1;
 +        else
 +          M.x86.R_CX -= 1;
 +          M.x86.R_DI += inc;
 +            if (M.x86.intr & INTR_HALTED)
 +              break;
count = 1;
if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
    /* dont care whether REPE or REPNE */
    - /* move them until CX is ZERO. */
    - count = M.x86.R_CX;
    + /* move them until (E)CX is ZERO. */
    + count = (M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX;
    M.x86.R_CX = 0;
    +if (M.x86.mode & SYSMODE_32BIT_REP)
    +    M.x86.R_ECX = 0;
    M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
}
while (count--) {
    store_data_word_abs(M.x86.R_ES, M.x86.R_DI, M.x86.R_AX);
    M.x86.R_DI += inc;
    + if (M.x86.intr & INTR_HALTED)
    +     break;
} 
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
inc = 1;
if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
    /* dont care whether REPE or REPNE */
    - /* move them until CX is ZERO. */
    - while (M.x86.R_CX != 0) {
    + /* move them until (E)CX is ZERO. */
    + while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
        M.x86.R_AL = fetch_data_byte(M.x86.R_SI);
        - M.x86.R_CX -= 1;
        + if (M.x86.mode & SYSMODE_32BIT_REP)
        +     M.x86.R ECX -= 1;
        + else
        +     M.x86.R_CX -= 1;
        M.x86.R_SI += inc;
        + if (M.x86.intr & INTR_HALTED)
        +     break;
    }
    M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
} else {
if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
    /* dont care whether REPE or REPNE */
    -        /* move them until CX is ZERO. */
    - count = M.x86.R_CX;
    +        /* move them until (E)CX is ZERO. */
    + count = (M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX;
    M.x86.R_CX = 0;
    +if (M.x86.mode & SYSMODE_32BIT_REP)
    +    M.x86.R_ECX = 0;
    +    M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
    }
    while (count--) {
        /* move them until CX is ZERO. */
        /* move them until (E)CX is ZERO. */
        while (M.x86.R_CX != 0) {
            M.x86.R_CX -= 1;
            if (M.x86.mode & SYSMODE_PREFIX_REPE) {
                /* REPE */
                -        /* move them until CX is ZERO. */
                - while (M.x86.R_CX != 0) {
                +        /* move them until (E)CX is ZERO. */
                +        while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
                    val2 = fetch_data_byte_abs(M.x86.R_ES, M.x86.R_DI);
                    cmp_byte(M.x86.R_AL, val2);
                    -            M.x86.R_CX -= 1;
                    +            if (M.x86.mode & SYSMODE_32BIT_REP)
                    +                M.x86.R_ECX -= 1;
                    +            else
                    +                M.x86.R_CX -= 1;
                    M.x86.R_DI += inc;
                    if (ACCESS_FLAG(F_ZF) == 0)
                        break;
                    +            if (M.x86.intr & INTR_HALTED)
                    +                break;
                    M.x86.mode &= ~(SYSMODE_PREFIX_REPE);
                } else if (M.x86.mode & SYSMODE_PREFIX_REPNE) {
                    /* REPNE */
                    -        /* move them until CX is ZERO. */
                    - while (M.x86.R_CX != 0) {
                    +        /* move them until (E)CX is ZERO. */
                    +        if (M.x86.intr & INTR_HALTED)
                    +            break;
                    M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
                }
while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
    val2 = fetch_data_byte_abs(M.x86.R_ES, M.x86.R_DI);
    cmp_byte(M.x86.R_AL, val2);
    M.x86.R_CX -= 1;
    if (M.x86.mode & SYSMODE_32BIT_REP)
        M.x86.R_ECX -= 1;
    else
        M.x86.R_CX -= 1;
    M.x86.R_DI += inc;
    if (ACCESS_FLAG(F_ZF))
        break; /* zero flag set means equal */
    if (M.x86.intr & INTR_HALTED)
        break;
}
M.x86.mode &= ~SYSMODE_PREFIX_REPE;
} else {
    TRACE_AND_STEP();
    if (M.x86.mode & SYSMODE_PREFIX_REPE) {
        /* REPE */
        while (M.x86.R_CX != 0) {
            if (M.x86.intr & INTR_HALTED)
                break;
        }
        M.x86.R_CX -= 1;
        if (M.x86.mode & SYSMODE_PREFIX_DATA) {
            val = fetch_data_long_abs(M.x86.R_ES, M.x86.R_DI);
            cmp_long(M.x86.R_EAX, val);
        } else if (M.x86.mode & SYSMODE_PREFIX_REPNE) {
            /* REPNE */
            while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
                if (ACCESS_FLAG(F_ZF) == 0)
                    break;
            }
            M.x86.R_CX -= 1;
            if (M.x86.intr & INTR_HALTED)
                break;
        }
    }
    if (M.x86.mode & SYSMODE_PREFIX_REPE) {
        /* REPNE */
        while (M.x86.R_CX != 0) {
            if (M.x86.mode & SYSMODE_32BIT_REP)
                M.x86.R_ECX -= 1;
            else
                M.x86.R_CX -= 1;
            M.x86.R_DI += inc;
            if (ACCESS_FLAG(F_ZF) == 0)
                break;
        }
        M.x86.mode &= ~SYSMODE_PREFIX_REPE;
    } else if (M.x86.mode & SYSMODE_PREFIX_REPNE) {
        /* REPNE */
        while (M.x86.R_CX != 0) {
            if (M.x86.mode & SYSMODE_32BIT_REP)
                M.x86.R_ECX -= 1;
            else
                M.x86.R_CX -= 1;
            M.x86.R_DI += inc;
            if (ACCESS_FLAG(F_ZF) == 0)
                break;
        }
    }
}
while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
    if (M.x86.mode & SYSMODE_PREFIX_DATA) {
        val = fetch_data_long_abs(M.x86.R_ES, M.x86.R_DI);
        cmp_long(M.x86.R_EAX, val);
    } else {
        val = fetch_data_word_abs(M.x86.R_ES, M.x86.R_DI);
        cmp_word(M.x86.R_AX, (u16)val);
    }
    M.x86.R_CX -= 1;
    if (M.x86.mode & SYSMODE_32BIT_REP)
        M.x86.R_ECX -= 1;
    else
        M.x86.R_CX -= 1;
    M.x86.R_DI += inc;
    if (ACCESS_FLAG(F_ZF))
        break;          /* zero flag set means equal */
    if (M.x86.intr & INTR_HALTED)
        break;
}
M.x86.mode &= ~SYSMODE_PREFIX_REPNE;
} else {
    DECODE_PRINTF("RET\t");
    imm = fetch_word_imm();
    DECODE_PRINTF2("%x\n", imm);
-RETURN_TRACE("RET",M.x86.saved_cs,M.x86.saved_ip);
TRACE_AND_STEP();
    M.x86.R_IP = pop_word();
+RETURN_TRACE(M.x86.saved_cs,M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, "NEAR");
    M.x86.R_SP += imm;
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
@@ -3254,9 +3316,9 @@
{
    START_OF_INSTR();
    DECODE_PRINTF("RETF\t");
-RETURN_TRACE("RETF",M.x86.saved_cs,M.x86.saved_ip);
TRACE_AND_STEP();
    M.x86.R_IP = pop_word();
+RETURN_TRACE(M.x86.saved_cs,M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, "NEAR");
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
}
TRACE_AND_STEP();
    M.x86.R_IP = pop_word();
    M.x86.R_CS = pop_word();
+RETURN_TRACE(M.x86.saved_cs,M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, "FAR");
    M.x86.R_SP += imm;
    DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
@@ -3488,10 +3550,10 @@
{    START_OF_INSTR();
    DECODE_PRINTF("RETF\n");
-RETURN_TRACE("RETF",M.x86.saved_cs,M.x86.saved_ip);
TRACE_AND_STEP();
    M.x86.R_IP = pop_word();
    M.x86.R_CS = pop_word();
+RETURN_TRACE(M.x86.saved_cs,M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, "FAR");
    DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
}
@@ -4020,8 +4082,11 @@
ip += (s16) M.x86.R_IP;
    DECODE_PRINTF2("%04x\n", ip);
    TRACE_AND_STEP();
-    M.x86.R_CX -= 1;
-    if (M.x86.R_CX != 0 && !ACCESS_FLAG(F_ZF)) /* CX != 0 and !ZF */
+    if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+        M.x86.R_ECX -= 1;
+    else
+        M.x86.R_CX -= 1;
+    if (((M.x86.mode & SYSMODE_PREFIX_ADDR) ? M.x86.R_ECX : M.x86.R_CX) != 0 &&
+         !ACCESS_FLAG(F_ZF)) /* (E)CX != 0 and !ZF */
        M.x86.R_IP = ip;
        DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
@@ -4041,8 +4106,11 @@
ip += (s16) M.x86.R_IP;
    DECODE_PRINTF2("%04x\n", ip);
    TRACE_AND_STEP();
-    M.x86.R_CX -= 1;
-    if (M.x86.R_CX != 0 && ACCESS_FLAG(F_ZF)) /* CX != 0 and ZF */
+    if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+        M.x86.R_ECX -= 1;
+    else
+        M.x86.R_CX -= 1;
+    if (((M.x86.mode & SYSMODE_PREFIX_ADDR) ? M.x86.R_ECX : M.x86.R_CX) != 0 &&
+         ACCESS_FLAG(F_ZF)) /* (E)CX != 0 and ZF */
        M.x86.R_IP = ip;
        DECODE_CLEAR_SEGOVR();
ip += (s16) M.x86.R_IP;
    DECODE_PRINTF2("%04x\n", ip);
    TRACE_AND_STEP();
    - M.x86.R_CX -= 1;
    - if (M.x86.R_CX != 0)
    + if (M.x86.mode & SYSMODE_PREFIX_ADDR)
    + M.x86.R_ECX -= 1;
    + else
    + M.x86.R_CX -= 1;
    + if (((M.x86.mode & SYSMODE_PREFIX_ADDR) ? M.x86.R_ECX : M.x86.R_CX) != 0) /* (E)CX != 0 */
        M.x86.R_IP = ip;
        DECODE_CLEAR_SEGOVR();
        END_OF_INSTR();
    @@ -4085,8 +4156,10 @@
        target = (u16)(M.x86.R_IP + offset);
        DECODE_PRINTF2("%x\n", target);
        TRACE_AND_STEP();
        - if (M.x86.R_CX == 0)
        + if (M.x86.R_CX == 0) {
            M.x86.R_IP = target;
            JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, " CXZ ");
        + }
            DECODE_CLEAR_SEGOVR();
            END_OF_INSTR();
    } @@ -4213,6 +4286,7 @@
        ip = (s16)fetch_word_imm();
        ip += (s16)M.x86.R_IP;
        DECODE_PRINTF2("%04x\n", ip);
        + JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, ip, " NEAR ");
        TRACE_AND_STEP();
        M.x86.R_IP = (u16)ip;
        DECODE_CLEAR_SEGOVR();
    } @@ -4233,6 +4307,7 @@
        cs = fetch_word_imm();
        DECODE_PRINTF2("%04x:\", cs);
        DECODE_PRINTF2("%04x\n", ip);
        + JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, cs, ip, " FAR ");
        TRACE_AND_STEP();
        M.x86.R_IP = ip;
        M.x86.R_CS = cs;
    } @@ -4254,6 +4329,7 @@
        offset = (s8)fetch_byte_imm();
        target = (u16)(M.x86.R_IP + offset);
        DECODE_PRINTF2("%x\n", target);
        + JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, target, " BYTE ");
TRACE_AND_STEP();
M.x86.R_IP = target;
DECODE_CLEAR_SEGOVR();
@@ -4371,6 +4449,8 @@
DECODE_PRINTF("REPE\n");
TRACE_AND_STEP();
M.x86.mode |= SYSMODE_PREFIX_REP;
+ if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+ M.x86.mode |= SYSMODE_32BIT_REP;
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
}
@@ -5013,12 +5093,14 @@
break;
    case 4: /* jmp word ptr ... */
        destval = fetch_data_word(destoffset);
+        JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, destval, " WORD ");
TRACE_AND_STEP();
M.x86.R_IP = destval;
break;
    case 5: /* jmp far ptr ... */
        destval = fetch_data_word(destoffset);
        destval2 = fetch_data_word(destoffset + 2);
+        JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, destval2, destval, " FAR ");
TRACE_AND_STEP();
M.x86.R_IP = destval;
M.x86.R_CS = destval2;
Index: prim_ops.c
===================================================================
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/prim_ops.c,v
retrieving revision 1.1
retrieving revision 1.3
diff -u -u -r1.1 -r1.3
--- prim_ops.c7 Sep 2007 10:01:21 -0000
+++ prim_ops.c16 Jan 2008 14:18:15 -0000
@@ -1921,7 +1921,7 @@
void imul_long_direct(u32 *res_lo, u32* res_hi,u32 d, u32 s)
{
    #ifdef __HAS_LONG_LONG__

Open Source Used In ND-NODE v2.1.2b 3089
- s64 res = (s64)d * (s64)s;
+ s64 res = (s64)(s32)d * (s64)(s32)s;

    *res_lo = (u32)res;
    *res_hi = (u32)(res >> 32);

void mul_long(u32 s)
{
    #ifdef __HAS_LONG_LONG__
-        u64 res = (u32)M.x86.R_EAX * (u32)s;
+        u64 res = (u64)M.x86.R_EAX * s;

        M.x86.R_EAX = (u32)res;
        M.x86.R_EDX = (u32)(res >> 32);
    }
    #endif
if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
    /* dont care whether REPE or REPNE */
    /* in until CX is ZERO. */
    - u32 count = ((M.x86.mode & SYSMODE_PREFIX_DATA) ?
+ u32 count = ((M.x86.mode & SYSMODE_32BIT_REP) ?
        M.x86.R_ECX : M.x86.R_CX);

    while (count--) {
        single_in(size);
        M.x86.R_DI += inc;
    }
M.x86.R_CX = 0;
-    if (M.x86.mode & SYSMODE_PREFIX_DATA) {
+    if (M.x86.mode & SYSMODE_32BIT_REP) {
        M.x86.R_ECX = 0;
    }
    }
M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
}
if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
    /* dont care whether REPE or REPNE */
    /* out until CX is ZERO. */
    - u32 count = ((M.x86.mode & SYSMODE_PREFIX_DATA) ?
+ u32 count = ((M.x86.mode & SYSMODE_32BIT_REP) ?
        M.x86.R_ECX : M.x86.R_CX);

    while (count--) {
        single_out(size);
        M.x86.R_SI += inc;
    }
M.x86.R_CX = 0;
- if (M.x86.mode & SYSMODE_PREFIX_DATA) {
+ if (M.x86.mode & SYSMODE_32BIT_REP) {
    M.x86.R_ECX = 0;
    }
    M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
Index: sys.c
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/sys.c,v
retrieving revision 1.1
retrieving revision 1.2
diff -u -u -r1.1 -r1.2
--- sys.c 7 Sep 2007 10:01:21 -0000 1.1
+++ sys.c 7 Sep 2007 10:03:13 -0000 1.2
@@ -45,11 +45,6 @@
#include <x86emu/regs.h>
#include "debug.h"
#include "prim_ops.h"
-#ifdef LINUXBIOS_VERSION
-#include "io.h"
-#else
-#include <sys/io.h>
-#endif

-#ifdef IN_MODULE
-#include "xf86_ansic.h"
-@@ -220,7 +215,7 @@
 DB(if (DEBUG_IO_TRACE())
 printk("inb %#04x \n", addr);
 -return inb(addr);
+return 0;
 }
+return 0;
}

/******************************************************************************
@@ -264,7 +259,6 @@
{
    if (DEBUG_IO_TRACE())
    printk("outb %#02x -> %#04x \n", val, addr);
-outb(val, addr);
    return;
}

@@ -279,7 +273,6 @@
{
    if (DEBUG_IO_TRACE())
    printk("outw %#04x -> %#04x \n", val, addr);
-outw(val, addr);
    return;
}

@@ -295,7 +288,6 @@
{
    if (DEBUG_IO_TRACE())
    printk("outl %#08x -> %#04x \n", val, addr);
-outl(val, addr);
    return;
}

@@ -405,6 +397,6 @@
void X86EMU_setMemBase(void *base, size_t size)
{
    -M.mem_base = (int) base;
+M.mem_base = (unsigned long) base;
    M.mem_size = size;
}
Index: include/x86emu/debug.h
===================================================================
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/include/x86emu/debug.h,v
retrieving revision 1.1
retrieving revision 1.4
diff -u -u -r1.1 -r1.4
--- include/x86emu/debug.h7 Sep 2007 10:01:21 -0000
+++ include/x86emu/debug.h20 Mar 2008 15:25:27 -0000
@@ @ -40,8 +40,6 @@
#endif __X86EMU_DEBUG_H
#define __X86EMU_DEBUG_H
/* checks to be enabled for "runtime" */
@@ -78,6 +76,8 @@
#define DEBUG_SYSINT()        (M.x86.debug & DEBUG_SYSINT_F)
#define DEBUG_TRACECALL()     (M.x86.debug & DEBUG_TRACECALL_F)
#define DEBUG_TRACECALLREGS() (M.x86.debug & DEBUG_TRACECALL_REGS_F)
+#define DEBUG_TRACEJMP()       (M.x86.debug & DEBUG_TRACEJMP_F)
+#define DEBUG_TRACEJMPREGS()   (M.x86.debug & DEBUG_TRACEJMP_REGS_F)
#define DEBUG_SYS()           (M.x86.debug & DEBUG_SYS_F)
#define DEBUG_MEM_TRACE()     (M.x86.debug & DEBUG_MEM_TRACE_F)
#define DEBUG_IO_TRACE()      (M.x86.debug & DEBUG_IO_TRACE_F)
@@ -96,6 +96,8 @@
#define DEBUG_SYSINT()        0
#define DEBUG_TRACECALL()     0
#define DEBUG_TRACECALLREGS() 0
+#define DEBUG_TRACEJMP()       0
+#define DEBUG_TRACEJMPREGS()   0
#define DEBUG_SYS()           0
#define DEBUG_MEM_TRACE()     0
#define DEBUG_IO_TRACE()      0
@@ -169,14 +171,20 @@
x86emu_dump_regs();                                     \
    if (DEBUG_TRACECALL())                                     	\ 
    printf("%04x:%04x: CALL %s%04x:%04x\n", u , v, s, w, x);
-# define RETURN_TRACE(n,u,v)                                    
+# define RETURN_TRACE(u,v,w,x,s)                                    
    if (DEBUG_TRACECALLREGS())									\ 
    x86emu_dump_regs();                                     \
    if (DEBUG_TRACECALL())                                     \
    -printf("%04x:%04x: %s\n",u,v,n); 
+printf("%04x:%04x: RET %s %04x:%04x\n",u,v,s,w,x); 
+ # define JMP_TRACE(u,v,w,x,s) 
+   if (DEBUG_TRACEJMPREGS()) 
+     x86emu_dump_regs();\ 
+   if (DEBUG_TRACEJMP())\ 
+     printf("%04x:%04x: JMP %s%04x:%04x\n", u , v, s, w, x);
#else 
    # define CALL_TRACE(u,v,w,x,s) 
    -# define RETURN_TRACE(n,u,v) 
    +# define RETURN_TRACE(u,v,w,x,s) 
    +# define JMP_TRACE(u,v,w,x,s) 
endif 

#ifdef DEBUG 
Index: include/x86emu/regs.h
```c
#define SYSMODE_PREFIX_REPNE   0x00000100
#define SYSMODE_PREFIX_DATA    0x00000200
#define SYSMODE_PREFIX_ADDR    0x00000400
#define SYSMODE_32BIT_REP     0x00000800
#define SYSMODE_INTR_PENDING  0x10000000
#define SYSMODE_EXTRN_INTR    0x20000000
#define SYSMODE_HALTED        0x40000000

#define INTR_SYNCH           0x1
#define INTR_ASYNCH          0x2

u32                         mode;
volatile int                intr;   /* mask of pending interrupts */
-int                         debug;
+ volatile int               debug;
#endif DEBUG
-int                         check;
+ int                         check;
  u16                         saved_ip;
  u16                         saved_cs;
  int                         enc_pos;
```
```c
#include <console.h>
define printk(x...) printk(BIOS_DEBUG, x)
#else
+#include <stdio.h>
define printk printf
#endif

#define DEBUG_TRACECALL_REGS_F  0x004000
#define DEBUG_DECODE_NOPRINT_F  0x008000
#define DEBUG_SAVE_IP_CS_F      0x010000
+#define DEBUG_TRACEJMP_F       0x020000
+#define DEBUG_TRACEJMP_REGS_F  0x040000
#define DEBUG_SYS_F             (DEBUG_SVC_F|DEBUG_FS_F|DEBUG_PROC_F)

void X86EMU_trace_regs(void);

#ifdef __cplusplus
}                       /* End of "C" linkage for C++   */
#endif
- #endif /* __X86EMU_X86EMU_H */
```

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History
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1.202 diffutils 3.3 5.el7
1.202.1 Available under license :

/* diff - compare files line by line


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#define GDIFF_MAIN
#include "diff.h"
#include <assert.h>
#include "paths.h"
#include <c-stack.h>
#include <dirname.h>
#include <error.h>
#include <exclude.h>
#include <exitfail.h>
#include <filenamecat.h>
#include <file-type.h>
#include <fnmatch.h>
#include <getopt.h>
#include <hard-locale.h>
#include <preargs.h>
#include <programe.h>
#include <sh-quote.h>
#include <stat-time.h>
#include <timespec.h>
#include <version-etc.h>
#include <xalloc.h>
#include <xreadlink.h>
#include <binary-io.h>

/* The official name of this program (e.g., no 'g' prefix). */
#define PROGRAM_NAME "diff"

#define AUTHORS /
proper_name ("Paul Eggert"), \
proper_name ("Mike Haertel"), \
proper_name ("David Hayes"), \
proper_name ("Richard Stallman"), \
proper_name ("Len Tower")
#ifndef GUTTER_WIDTH_MINIMUM
#define GUTTER_WIDTH_MINIMUM 3
#endif

struct regexp_list
{
    char *regexps;/* chars representing disjunction of the regexps */
    size_t len;/* chars used in 'regexps' */
    size_t size;/* size malloc'ed for 'regexps'; 0 if not malloc'ed */
    bool multiple_regexps;/* Does 'regexps' represent a disjunction? */
    struct re_pattern_buffer *buf;
};

static int compare_files (struct comparison const *, char const *, char const *);
static void add_regexp (struct regexp_list *, char const *);
static void summarize_regexp_list (struct regexp_list *);
static void specify_style (enum output_style);
static void specify_value (char const **, char const *, char const *);
static void try_help (char const *, char const *) __attribute__((noreturn));
static void check_stdout (void);
static void usage (void);

/* If comparing directories, compare their common subdirectories recursively. */
static bool recursive;

/* In context diffs, show previous lines that match these regexps. */
static struct regexp_list function_regexp_list;

/* Ignore changes affecting only lines that match these regexps. */
static struct regexp_list ignore_regexp_list;

#if O_BINARY
/* Use binary I/O when reading and writing data (--binary). 
On POSIX hosts, this has no effect. */
static bool binary;
#else
enum { binary = true };
#endif

/* If one file is missing, treat it as present but empty (-N). */
static bool new_file;

/* If the first file is missing, treat it as present but empty 
(--unidirectional-new-file). */
static bool unidirectional_new_file;

/* Report files compared that are the same (-s). */
Normally nothing is output when that happens. */
static bool report_identical_files;

static char const shortopts[] =
"0123456789abCcD:eEfHi:IL:nNpQrsStTuU:vWw:X:yZ";

/* Values for long options that do not have single-letter equivalents. */
enum
{
    BINARY_OPTION = CHAR_MAX + 1,
    FROM_FILE_OPTION,
    HELP_OPTION,
    HORIZON_LINES_OPTION,
    IGNORE_FILE_NAME_CASE_OPTION,
    INHIBIT_HUNK_MERGE_OPTION,
    LEFT_COLUMN_OPTION,
    LINE_FORMAT_OPTION,
    NO_DEREFERENCE_OPTION,
    NO_IGNORE_FILE_NAME_CASE_OPTION,
    NORMAL_OPTION,
    SDIFF_MERGE_ASSIST_OPTION,
    STRIP_TRAILING_CR_OPTION,
    SUPPRESS_BLANK_EMPTY_OPTION,
    SUPPRESS_COMMON_LINES_OPTION,
    TABSIZE_OPTION,
    TO_FILE_OPTION,

    /* These options must be in sequence. */
    UNCHANGED_LINE_FORMAT_OPTION,
    OLD_LINE_FORMAT_OPTION,
    NEW_LINE_FORMAT_OPTION,

    /* These options must be in sequence. */
    UNCHANGED_GROUP_FORMAT_OPTION,
    OLD_GROUP_FORMAT_OPTION,
    NEW_GROUP_FORMAT_OPTION,
    CHANGED_GROUP_FORMAT_OPTION
};

static char const group_format_option[][
sizeof "--unchanged-group-format"] =
{
    "--unchanged-group-format",
    "--old-group-format",
    "--new-group-format",
    "--changed-group-format"
};

static char const line_format_option[][
sizeof "--unchanged-line-format"] =
{
    "--unchanged-line-format",
    "--old-line-format",
    "--new-line-format",
    "--changed-line-format"
};
static struct option const longopts[] =
{
    {"binary", 0, 0, BINARY_OPTION},
    {"brief", 0, 0, 'q'},
    {"changed-group-format", 1, 0, CHANGED_GROUP_FORMAT_OPTION},
    {"context", 2, 0, 'C'},
    {"ed", 0, 0, 'e'},
    {"exclude", 1, 0, 'x'},
    {"exclude-from", 1, 0, 'X'},
    {"expand-tabs", 0, 0, 't'},
    {"forward-ed", 0, 0, 'f'},
    {"from-file", 1, 0, FROM_FILE_OPTION},
    {"help", 0, 0, HELP_OPTION},
    {"horizon-lines", 1, 0, HORIZON_LINES_OPTION},
    {"ifdef", 1, 0, 'D'},
    {"ignore-all-space", 0, 0, 'w'},
    {"ignore-blank-lines", 0, 0, 'B'},
    {"ignore-case", 0, 0, 'i'},
    {"ignore-file-name-case", 0, 0, IGNORE_FILE_NAME_CASE_OPTION},
    {"ignore-matching-lines", 1, 0, 'T'},
    {"ignore-space-change", 0, 0, 'b'},
    {"ignore-tab-expansion", 0, 0, 'E'},
    {"ignore-trailing-space", 0, 0, 'Z'},
    {"inhibit-hunk-merge", 0, 0, INHIBIT_HUNK_MERGE_OPTION},
    {"initial-tab", 0, 0, 'T'},
    {"label", 1, 0, 'L'},
    {"left-column", 0, 0, LEFT_COLUMN_OPTION},
    {"line-format", 1, 0, LINE_FORMAT_OPTION},
    {"minimal", 0, 0, 'd'},
    {"new-file", 0, 0, 'N'},
    {"new-group-format", 1, 0, NEW_GROUP_FORMAT_OPTION},
    {"new-line-format", 1, 0, NEW_LINE_FORMAT_OPTION},
    {"no-dereference", 0, 0, NO_DEREFERENCE_OPTION},
    {"no-ignore-file-name-case", 0, 0, NO_IGNORE_FILE_NAME_CASE_OPTION},
    {"normal", 0, 0, NORMAL_OPTION},
    {"old-group-format", 1, 0, OLD_GROUP_FORMAT_OPTION},
    {"old-line-format", 1, 0, OLD_LINE_FORMAT_OPTION},
    {"paginate", 0, 0, 'l'},
    {"rcs", 0, 0, 'n'},
    {"recursive", 0, 0, 'r'},
    {"report-identical-files", 0, 0, 's'},
    {"sdiff-merge-assist", 0, 0, SDIFF_MERGE_ASSIST_OPTION},
static char *
option_list (char **optionvec, int count)
{
  int i;
  size_t size = 1;
  char *result;
  char *p;

  for (i = 0; i < count; i++)
    size += 1 + shell_quote_length (optionvec[i]);

  p = result = xmalloc (size);

  for (i = 0; i < count; i++)
    {
      *p++ = ' ';    
      p = shell_quote_copy (p, optionvec[i]);
    }

  *p = '\0';

  /* Return a string containing the command options with which diff was invoked.
   * Spaces appear between what were separate ARGV-elements.
   * There is a space at the beginning but none at the end.
   * If there were no options, the result is an empty string.
   *
   Arguments: OPTIONVEC, a vector containing separate ARGV-elements, and COUNT, 
   the length of that vector. */
return result;
}

/* Return an option value suitable for add_exclude. */

static int
exclude_options (void)
{
    return EXCLUDE_WILDCARDS | (ignore_file_name_case ? FNM_CASEFOLD : 0);
}

int
main (int argc, char **argv)
{
    int exit_status = EXIT_SUCCESS;
    int c;
    int i;
    int prev = -1;
    int ocontext = -1;
    bool explicit_context = false;
    size_t width = 0;
    bool show_c_function = false;
    char const *from_file = NULL;
    char const *to_file = NULL;
    uintmax_t numval;
    char *numend;

    /* Do our initializations. */
    exit_failure = EXIT_TROUBLE;
    initialize_main (&argc, &argv);
    set_program_name (argv[0]);
    setlocale (LC_ALL, "");
    bindtextdomain (PACKAGE, LOCALEDIR);
    textdomain (PACKAGE);
    c_stack_action (0);
    function_regexp_list.buf = &function_regexp;
    ignore_regexp_list.buf = &ignore_regexp;
    re_set_syntax (RE_SYNTAX_GREP | RE_NO_POSIX_BACKTRACKING);
    excluded = new_exclude ();

    /* Decode the options. */

    while ((c = getopt_long (argc, argv, shortopts, longopts, NULL)) != -1)
    {
        switch (c)
        {
        case 0:
break;

case '0':
case '1':
case '2':
case '3':
case '4':
case '5':
case '6':
case '7':
case '8':
case '9':
  if (! ISDIGIT (prev))
    ocontext = c - '0';
  else if (LIN_MAX / 10 < ocontext
    || ((ocontext = 10 * ocontext + c - '0') < 0))
    ocontext = LIN_MAX;
  break;

case 'a':
  text = true;
  break;

case 'b':
  if (ignore_white_space < IGNORE_SPACE_CHANGE)
    ignore_white_space = IGNORE_SPACE_CHANGE;
  break;

case 'Z':
  if (ignore_white_space < IGNORE_SPACE_CHANGE)
    ignore_white_space |= IGNORE_TRAILING_SPACE;
  break;

case 'B':
  ignore_blank_lines = true;
  break;

case 'C':
case 'U':
  {
    if (optarg)
      {
      numval = strtoumax (optarg, &numend, 10);
      if (*numend)
        try_help (“invalid context length ‘%s’”, optarg);
      if (LIN_MAX < numval)
        numval = LIN_MAX;
      }
else
    numval = 3;
    
specify_style (c == 'U' ? OUTPUT_UNIFIED : OUTPUT_CONTEXT);
if (context < numval)
    context = numval;
explicit_context = true;
}
break;

case 'c':
    specify_style (OUTPUT_CONTEXT);
if (context < numval)
    context = numval;
break;

case 'd':
    minimal = true;
break;

case 'D':
    specify_style (OUTPUT_IFDEF);
    {
static char const C_ifdef_group_formats[] =
"%%=%c ifndef %s \n endif */ ! %s */ \n %c ifdef %s \n endif /* %s */ ! %s */ \n %c ifndef %s \n endif /* %s */ ! %s */ \n %c ifndef %s \n endif /* %s */ ! %s */ \n %c ifdef %s \n endif /* %s */ ! %s */ \n %c ifndef %s \n endif /* %s */ ! %s */
char *b = xmalloc (sizeof C_ifdef_group_formats
    + 7 * strlen (optarg) - 14 /* 7*"%s" */
    - 8 /* 5*"%" + 3*"c" */); 
sprintf (b, C_ifdef_group_formats,
    optarg, optarg, optarg,
    optarg, optarg, optarg,
    optarg, optarg, optarg);
    for (i = 0; i < sizeof group_format / sizeof group_format[0]; i++)
    {
        specify_value (&group_format[i], b, "-D");
    b += strlen (b) + 1;
    }
}
break;

case 'e':
    specify_style (OUTPUT_ED);
break;

case 'E':
    if (ignore_white_space < IGNORE_SPACE_CHANGE)
ignore_white_space |= IGNORE_TAB_EXPANSION;

break;

case 'F':
specify_style (OUTPUT_FORWARD_ED);
break;

case 'f':
add_regexp (&function_regexp_list, optarg);
break;

case 'h':
/* Split the files into chunks for faster processing.
   Usually does not change the result.
   This currently has no effect. */
break;

case 'H':
speed_large_files = true;
break;

case 'l':
if (!pr_program[0])
  try_help ("pagination not supported on this host", NULL);
paginate = true;
#endif
/* Pagination requires forking and waiting, and
   System V fork+wait does not work if SIGCHLD is ignored. */
signal (SIGCHLD, SIG_DFL);
#endif
break;

case 'L':
if (!file_label[0])
  file_label[0] = optarg;
else if (!file_label[1])
  file_label[1] = optarg;
else
  fatal ("too many file label options");
break;

case 'n':
    specify_style(OUTPUT_RCS);
    break;

case 'N':
    new_file = true;
    break;

case 'p':
    show_c_function = true;
    add_regexp(&function_regexp_list, "^[[:alpha:]$_]");  
    break;

case 'P':
    unidirectional_new_file = true;
    break;

case 'q':
    brief = true;
    break;

case 'r':
    recursive = true;
    break;

case 's':
    report_identical_files = true;
    break;

case 'S':
    specify_value(&starting_file, optarg, "-S");
    break;

case 't':
    expand_tabs = true;
    break;

case 'T':
    initial_tab = true;
    break;

case 'u':
    specify_style(OUTPUT_UNIFIED);
    if (context < 3)
        context = 3;
    break;
case 'v':
    version_etc (stdout, PROGRAM_NAME, PACKAGE_NAME, Version,
                AUTHORS, (char *) NULL);
    check_stdout ();
    return EXIT_SUCCESS;

case 'w':
    ignore_white_space = IGNORE_ALL_SPACE;
    break;

case 'x':
    add_exclude (excluded, optarg, exclude_options ());
    break;

case 'X':
    if (add_exclude_file (add_exclude, excluded, optarg,
                         exclude_options (), 'n'))
        pfatal_with_name (optarg);
    break;

case 'y':
    specify_style (OUTPUT_SDIFF);
    break;

case 'W':
    numval = strtoumax (optarg, &numend, 10);
    if (! (0 < numval && numval <= SIZE_MAX) || *numend)
        try_help ("invalid width "'%s"", optarg);
    if (width != numval)
        { 
        if (width)
            fatal ("conflicting width options");
            width = numval;
        }
    break;

case BINARY_OPTION:
    #if O_BINARY
    binary = true;
    if (! isatty (STDOUT_FILENO))
        set_binary_mode (STDOUT_FILENO, O_BINARY);
    #endif
    break;

case FROM_FILE_OPTION:
    specify_value (&from_file, optarg, "--from-file");
    break;
case HELP_OPTION:
    usage ();
    check_stdout ();
    return EXIT_SUCCESS;

case HORIZON_LINES_OPTION:
    numval = strtoumax (optarg, &numend, 10);
    if (*numend)
        try_help ("invalid horizon length ‘%s’", optarg);
    horizon_lines = MAX (horizon_lines, MIN (numval, LIN_MAX));
    break;

case IGNORE_FILE_NAME_CASE OPTION:
    ignore_file_name_case = true;
    break;

case INHIBIT_HUNK MERGE OPTION:
    /* This option is obsolete, but accept it for backward
       compatibility. */
    break;

case LEFT_COLUMN OPTION:
    left_column = true;
    break;

case LINE_FORMAT OPTION:
    specify_style (OUTPUT_IFDEF);
    for (i = 0; i < sizeof line_format / sizeof line_format[0]; i++)
        specify_value (&line_format[i], optarg, "--line-format");
    break;

case NO_DEREFERENCE OPTION:
    no_dereference_symlinks = true;
    break;

case NO_IGNORE_FILE_NAME CASE OPTION:
    ignore_file_name_case = false;
    break;

case NORMAL OPTION:
    specify_style (OUTPUT_NORMAL);
    break;

case SDIFF MERGE ASSIST OPTION:
    specify_style (OUTPUT_SDIFF);
    sdiff_merge_assist = true;
    break;
case STRIP_TRAILING_CR_OPTION:
    strip_trailing_cr = true;
    break;

case SUPPRESS_BLANK_EMPTY_OPTION:
    suppress_blank_empty = true;
    break;

case SUPPRESS_COMMON_LINES_OPTION:
    suppress_common_lines = true;
    break;

case TABSIZE_OPTION:
    numval = strtoumax(optarg, &numend, 10);
    if (! (0 < numval && numval <= SIZE_MAX) || *numend)
        try_help("invalid tabsize \"%s\", optarg);
    if (tabsize != numval)
        
            if (tabsize)
                fatal("conflicting tabsize options");
            tabsize = numval;
        
    break;

case TO_FILE_OPTION:
    specify_value(&to_file, optarg, "--to-file");
    break;

case UNCHANGED_LINE_FORMAT_OPTION:
case OLD_LINE_FORMAT_OPTION:
case NEW_LINE_FORMAT_OPTION:
    specify_style(OUTPUT_IFDEF);
    c -= UNCHANGED_LINE_FORMAT_OPTION;
    specify_value(&line_format[c], optarg, line_format_option[c]);
    break;

case UNCHANGED_GROUP_FORMAT_OPTION:
case OLD_GROUP_FORMAT_OPTION:
case NEW_GROUP_FORMAT_OPTION:
case CHANGED_GROUP_FORMAT_OPTION:
    specify_style(OUTPUT_IFDEF);
    c -= UNCHANGED_GROUP_FORMAT_OPTION;
    specify_value(&group_format[c], optarg, group_format_option[c]);
    break;

default:
    try_help(NULL, NULL);
if (output_style == OUTPUT_UNSPECIFIED)
{
  if (show_c_function)
  {
    specify_style (OUTPUT_CONTEXT);
    if (ocontext < 0)
      context = 3;
  }
  else
    specify_style (OUTPUT_NORMAL);
}

if (output_style != OUTPUT_CONTEXT || hard_locale (LC_TIME))
{
  #if (defined STAT_TIMESPEC || defined STAT_TIMESPEC_NS \ 
      || defined HAVE_STRUCT_STAT_ST_SPAR1)
    time_format = "%Y-%m-%d %H:%M:%S.%N %z";
 #elif 0
    time_format = "%Y-%m-%d %H:%M:%S %z";
  #endif
  else
    /* See POSIX 1003.1-2001 for this format. */
    time_format = "%a %b %e %T %Y";
}

if (0 <= ocontext
  && (output_style == OUTPUT_CONTEXT
      || output_style == OUTPUT_UNIFIED)
  && (context < ocontext
      || (ocontext < context && ! explicit_context)))
  context = ocontext;

if (! tabsize)
  tabsize = 8;
if (! width)
  width = 130;

/* Maximize first the half line width, and then the gutter width,
   according to the following constraints:

1. Two half lines plus a gutter must fit in a line.
2. If the half line width is nonzero:
   a. The gutter width is at least GUTTER_WIDTH_MINIMUM.
   b. If tabs are not expanded to spaces,
      a half line plus a gutter is an integral number of tabs,
      so that tabs in the right column line up. */

    intmax_t t = expand_tabs ? 1 : tabsize;
    intmax_t w = width;
    intmax_t off = (w + t + GUTTER_WIDTH_MINIMUM) / (2 * t) * t;
    sdiff_half_width = MAX (0, MIN (off - GUTTER_WIDTH_MINIMUM, w - off)),
    sdiff_column2_offset = sdiff_half_width ? off : w;
}

/* Make the horizon at least as large as the context, so that
   shift_boundaries has more freedom to shift the first and last hunks. */
if (horizon_lines < context)
    horizon_lines = context;

summarize_regexp_list (&function_regexp_list);
summarize_regexp_list (&ignore_regexp_list);

if (output_style == OUTPUT_IFDEF)
{
    for (i = 0; i < sizeof line_format / sizeof line_format[0]; i++)
        if (!line_format[i])
            line_format[i] = "%l\n";
    if (!group_format[OLD])
        group_format[OLD] = group_format[CHANGED] ? group_format[CHANGED] : "%<";
    if (!group_format[NEW])
        group_format[NEW] = group_format[CHANGED] ? group_format[CHANGED] : "%>";
    if (!group_format[UNCHANGED])
        group_format[UNCHANGED] = "%=";
    if (!group_format[CHANGED])
        group_format[CHANGED] = concat (group_format[OLD],
        group_format[NEW], "");
}

no_diff_means_no_output =
(output_style == OUTPUT_IFDEF ?
    (!*group_format[UNCHANGED]
     || (STREQ (group_format[UNCHANGED], "%=")
     && !*line_format[UNCHANGED]))
     : (output_style != OUTPUT_SDIFF) | suppress_common_lines);

files_can_be_treated_as_binary =
(brief & binary
switch_string = option_list (argv + 1, optind - 1);

if (from_file)
{
    if (to_file)
fatal ("--from-file and --to-file both specified");
else
for (; optind < argc; optind++)
{
    int status = compare_files (NULL, from_file, argv[optind]);
    if (exit_status < status)
        exit_status = status;
}
}
else
{
    if (to_file)
for (; optind < argc; optind++)
{
    int status = compare_files (NULL, argv[optind], to_file);
    if (exit_status < status)
        exit_status = status;
}
else
{
    if (argc - optind != 2)
    {
        if (argc - optind < 2)
        try_help ("missing operand after '%s'", argv[argc - 1]);
        else
        try_help ("extra operand '%s'", argv[optind + 2]);
    }

    exit_status = compare_files (NULL, argv[optind], argv[optind + 1]);
}
}

/* Print any messages that were saved up for last. */
print_message_queue ();

check_stdout ();
exit (exit_status);
return exit_status;
/* Append to REGLIST the regexp PATTERN. */

static void
add_regexp (struct regexp_list *reglist, char const *pattern)
{
  size_t patlen = strlen (pattern);
  char const *m = re_compile_pattern (pattern, patlen, reglist->buf);

  if (m != 0)
    error (0, 0, "%s: %s", pattern, m);
  else
  {
    char *regexps = reglist->regexps;
    size_t len = reglist->len;
    bool multiple_regexps = reglist->multiple_regexps = regexps != 0;
    size_t newlen = reglist->len = len + 2 * multiple_regexps + patlen;
    size_t size = reglist->size;

    if (size <= newlen)
    {
      if (!size)
        size = 1;

      do size *= 2;
      while (size <= newlen);

      reglist->size = size;
      reglist->regexps = regexps = xrealloc (regexps, size);
    }
    if (multiple_regexps)
    {
      regexps[len++] = '\';
      regexps[len++] = '|';
    }
    memcpy (regexps + len, pattern, patlen + 1);
  }

  /* Ensure that REGLIST represents the disjunction of its regexps. 
   * This is done here, rather than earlier, to avoid O(N^2) behavior. */

static void
summarize_regexp_list (struct regexp_list *reglist)
{
  if (reglist->regexps)
  {
    /* At least one regexp was specified. Allocate a fastmap for it. */
    reglist->buf->fastmap = xmalloc (1 << CHAR_BIT);
if (reglist->multiple_regexps)
{
/* Compile the disjunction of the regexps.
(If just one regexp was specified, it is already compiled.) */
char const *m = re_compile_pattern (reglist->regexps, reglist->len,
reglist->buf);
if (m)
error (EXIT_TROUBLE, 0, "%s: %s", reglist->regexps, m);
}
}
}
static void
try_help (char const *reason_msgid, char const *operand)
{
if (reason_msgid)
error (0, 0, _(reason_msgid), operand);
error (EXIT_TROUBLE, 0, _("Try '%s --help' for more information."),
program_name);
abort ();
}
static void
check_stdout (void)
{
if (ferror (stdout))
fatal ("write failed");
else if (fclose (stdout) != 0)
pfatal_with_name (_("standard output"));
}
static char const * const option_help_msgid[] = {
N_(" --normal
output a normal diff (the default)"),
N_("-q, --brief
report only when files differ"),
N_("-s, --report-identical-files report when two files are the same"),
N_("-c, -C NUM, --context[=NUM] output NUM (default 3) lines of copied context"),
N_("-u, -U NUM, --unified[=NUM] output NUM (default 3) lines of unified context"),
N_("-e, --ed
output an ed script"),
N_("-n, --rcs
output an RCS format diff"),
N_("-y, --side-by-side
output in two columns"),
N_("-W, --width=NUM
output at most NUM (default 130) print columns"),
N_(" --left-column
output only the left column of common lines"),
N_(" --suppress-common-lines do not output common lines"),
"",
N_("-p, --show-c-function
show which C function each change is in"),
N_("-F, --show-function-line=RE show the most recent line matching RE"),
N_(" --label LABEL
use LABEL instead of file name\n"
"
(can be repeated)"),

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N_("-t, --expand-tabs expand tabs to spaces in output"),
N_("-T, --initial-tab make tabs line up by prepending a tab"),
N_("--tabsize=NUM tab stops every NUM (default 8) print columns"),
N_("--suppress-blank-empty suppress space or tab before empty output lines"),
N_("-l, --paginate pass output through 'pr' to paginate it"),
N_("-r, --recursive recursively compare any subdirectories found"),
N_("--no-dereference don't follow symbolic links"),
N_("--new-file treat absent files as empty"),
N_("--unidirectional-new-file treat absent first files as empty"),
N_("--ignore-file-name-case ignore case when comparing file names"),
N_("--no-ignore-file-name-case consider case when comparing file names"),
N_("-x, --exclude=PAT exclude files that match PAT"),
N_("-X, --exclude-from=FILE exclude files that match any pattern in FILE"),
N_("-S, --starting-file=FILE start with FILE when comparing directories"),
N_("--from-file=FILE1 compare FILE1 to all operands\n" " FILE1 can be a directory"),
N_("--to-file=FILE2 compare all operands to FILE2\n" " FILE2 can be a directory"),
N_("-i, --ignore-case ignore case differences in file contents"),
N_("-E, --ignore-tab-expansion ignore changes due to tab expansion"),
N_("-Z, --ignore-trailing-space ignore white space at line end"),
N_("-b, --ignore-space-change ignore changes in the amount of white space"),
N_("-w, --ignore-all-space ignore all white space"),
N_("-B, --ignore-blank-lines ignore changes where lines are all blank"),
N_("-I, --ignore-matching-lines=RE ignore changes where all lines match RE"),
N_("-a, --text treat all files as text"),
N_("--strip-trailing-cr strip trailing carriage return on input"),
#if O_BINARY
N_("--binary read and write data in binary mode"),
#endif
N_("--ifdef=NAME output merged file with '#ifdef NAME' diffs"),
N_("--GTYPE-group-format=GFMT format GTYPE input groups with GFMT"),
N_("--line-format=LFMT format all input lines with LFMT"),
N_("--LTYPE-line-format=LFMT format LTYPE input lines with LFMT"),
N_(" These format options provide fine-grained control over the output\n" " of diff, generalizing -D/--ifdef."),
N_(" LTYPE is 'old', 'new', or 'unchanged'. GTYPE is LTYPE or 'changed'."),
N_(" GFMT (only) may contain:\n%< lines from FILE1\n%> lines from FILE2\n%=[-][WIDTH][.[PREC]][doX]LETTER printf-style spec for LETTER\nLETTERS are as follows for new group, lower case for old group:"

---
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F first line number
L last line number
N number of lines = L-F+1
E F-1
M L+1
%(A=B?T:E) if A equals B then T else E

LFMT (only) may contain:
%L contents of line
%l contents of line, excluding any trailing newline
%[-][WIDTH][.[PREC]]{doxX}n printf-style spec for input line number

Both GFMT and LFMT may contain:
% %
%cC the single character C
%c\OOO the character with octal code OOO
C the character C (other characters represent themselves)

-d, --minimal try hard to find a smaller set of changes
--horizon-lines=NUM keep NUM lines of the common prefix and suffix
--speed-large-files assume large files and many scattered small changes

--help display this help and exit
--version output version information and exit

FILES are 'FILE1 FILE2' or 'DIR1 DIR2' or 'DIR FILE...' or 'FILE... DIR'.
If --from-file or --to-file is given, there are no restrictions on FILE(s).
If a FILE is '-', read standard input.
Exit status is 0 if inputs are the same, 1 if different, 2 if trouble.

static void
usage (void)
{
char const * const *p;

printf (_("Usage: %s [OPTION]... FILES\n"), program_name);
printf (_("%s\n", _("Compare FILES line by line.")));)

fputs (_("Mandatory arguments to long options are mandatory for short options too.\n"), stdout);

for (p = option_help_msgid;  *p;  p++)
{
    if (!**p)
        putchar ('\n');
    else
        {

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char const *msg = _(*p);
char const *nl;
while ((nl = strchr (msg, \n')))
{
    int msglen = nl + 1 - msg;
    printf (" %.*s", msglen, msg);
    msg = nl + 1;
}

printf (" %s\n" + 2 * (*msg != ' ' && *msg != '-'), msg);
emt_bug_reporting_address ();

/* Set VAR to VALUE, reporting an OPTION error if this is a
   conflict. */
static void
specify_value (char const **var, char const *value, char const *option)
{
    if (*var && ! STREQ (*var, value))
    {
        error (0, 0, _("conflicting %s option value '%s'"), option, value);
        try_help (NULL, NULL);
    }
    *var = value;
}

/* Set the output style to STYLE, diagnosing conflicts. */
static void
specify_style (enum output_style style)
{
    if (output_style != style)
    {
        if (output_style != OUTPUT_UNSPECIFIED)
            try_help ("conflicting output style options", NULL);
        output_style = style;
    }
}

/* Set the last-modified time of *ST to be the current time. */

static void
set_mtime_to_now (struct stat *st)
{
    #ifdef STAT_TIMESPEC
    gettime (&STAT_TIMESPEC (st, st_mtim));
    #else
    }
struct timespec t;
gettime (&t);
st->st_mtime = t.tv_sec;
#if defined STAT_TIMESPEC_NS
STAT_TIMESPEC_NS (st, st_mtim) = t.tv_nsec;
#elif defined HAVE_STRUCT_STAT_ST_SPARE1
st->st_spare1 = t.tv_nsec / 1000;
#endif
#endif

/* Compare two files (or dirs) with parent comparison PARENT
and names NAME0 and NAME1.
(If PARENT is null, then the first name is just NAME0, etc.)
This is self-contained; it opens the files and closes them.

Value is EXIT_SUCCESS if files are the same, EXIT_FAILURE if
different, EXIT_TROUBLE if there is a problem opening them. */

static int
compare_files (struct comparison const *parent,
char const *name0,
char const *name1)
{
struct comparison cmp;
#define DIR_P(f) (S_ISDIR (cmp.file[f].stat.st_mode) != 0)
register int f;
int status = EXIT_SUCCESS;
bool same_files;
char *free0;
char *free1;

/* If this is directory comparison, perhaps we have a file
that exists only in one of the directories.
If so, just print a message to that effect. */

if (! ((name0 && name1)
|| (unidirectional_new_file && name1)
|| new_file))
{
char const *name = name0 ? name0 : name1;
char const *dir = parent->file[!name0].name;

/* See POSIX 1003.1-2001 for this format. */
message ("Only in %s: %s\n", dir, name);

/* Return EXIT_FAILURE so that diff_dirs will return
EXIT_FAILURE ("some files differ"). */
return EXIT_FAILURE;
}

memset(cmp.file, 0, sizeof cmp.file);
cmp.parent = parent;

/* cmp.file[f].desc markers */
#define NONEXISTENT (-1) /* nonexistent file */
#define UNOPENED (-2) /* unopened file (e.g. directory) */
#define ERRNO_ENCODE(errno) (-3 - (errno)) /* encoded errno value */
#define ERRNO_DECODE(desc) (-3 - (desc)) /* inverse of ERRNO_ENCODE */

cmp.file[0].desc = name0 ? UNOPENED : NONEXISTENT;
cmp.file[1].desc = name1 ? UNOPENED : NONEXISTENT;

/* Now record the full name of each file, including nonexistent ones. */

if (!name0)
  name0 = name1;
if (!name1)
  name1 = name0;

if (!parent)
{
  free0 = NULL;
  free1 = NULL;
  cmp.file[0].name = name0;
  cmp.file[1].name = name1;
}
else
{
  cmp.file[0].name = free0 = file_name_concat(parent->file[0].name, name0, NULL);
  cmp.file[1].name = free1 = file_name_concat(parent->file[1].name, name1, NULL);
}

/* Stat the files. */

for (f = 0; f < 2; f++)
{
  if (cmp.file[f].desc != NONEXISTENT)
  {
    if (f && file_name_cmp(cmp.file[f].name, cmp.file[0].name) == 0)
    {
      cmp.file[f].desc = cmp.file[0].desc;
      cmp.file[f].stat = cmp.file[0].stat;
    }
else if (STREQ (cmp.file[f].name, ":-"))
{
    cmp.file[f].desc = STDIN_FILENO;
    if (binary && ! isatty (STDIN_FILENO))
        set_binary_mode (STDIN_FILENO, O_BINARY);
    if (fstat (STDIN_FILENO, &cmp.file[f].stat) != 0)
        cmp.file[f].desc = ERRNO_ENCODE (errno);
    else
        if (S_ISREG (cmp.file[f].stat.st_mode))
        {
            off_t pos = lseek (STDIN_FILENO, 0, SEEK_CUR);
            if (pos < 0)
                cmp.file[f].desc = ERRNO_ENCODE (errno);
            else
                cmp.file[f].stat.st_size =
                    MAX (0, cmp.file[f].stat.st_size - pos);
        }

/* POSIX 1003.1-2001 requires current time for stdin. */
set_mtime_to_now (&cmp.file[f].stat);
}
else if ((no_dereference_symlinks
    ? lstat (cmp.file[f].name, &cmp.file[f].stat)
    : stat (cmp.file[f].name, &cmp.file[f].stat))
!= 0)
    cmp.file[f].desc = ERRNO_ENCODE (errno);
}

/* Mark files as nonexistent as needed for -N and -P, if they are
    inaccessible empty regular files (the kind of files that 'patch'
    creates to indicate nonexistent backups), or if they are
    top-level files that do not exist but their counterparts do
    exist. */
for (f = 0; f < 2; f++)
  if ((new_file || (f == 0 && unidirectional_new_file))
    && (cmp.file[f].desc == UNOPENED
        ? (S_ISREG (cmp.file[f].stat.st_mode)
            && ! (cmp.file[f].stat.st_mode & (S_IRWXU | S_IRWXG | S_IRWXO))
            && cmp.file[f].stat.st_size == 0)
            : ((cmp.file[f].desc == ERRNO_ENCODE (ENOENT)
            || cmp.file[f].desc == ERRNO_ENCODE (EBADF))
            && ! parent
            && (cmp.file[1 - f].desc == UNOPENED

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for (f = 0; f < 2; f++)
    if (cmp.file[f].desc == NONEXISTENT)
    {
        memset (&cmp.file[f].stat, 0, sizeof cmp.file[f].stat);
        cmp.file[f].stat.st_mode = cmp.file[1 - f].stat.st_mode;
    }

for (f = 0; f < 2; f++)
    {
        int e = ERRNO_DECODE (cmp.file[f].desc);
        if (0 <= e)
        {
            errno = e;
            perror_with_name (cmp.file[f].name);
            status = EXIT_TROUBLE;
        }
    }

if (status == EXIT_SUCCESS && ! parent && DIR_P (0) != DIR_P (1))
    {
        /* If one is a directory, and it was specified in the command line,
         use the file in that dir with the other file's basename. */
        int fnm_arg = DIR_P (0);
        int dir_arg = 1 - fnm_arg;
        char const *fnm = cmp.file[fnm_arg].name;
        char const *dir = cmp.file[dir_arg].name;
        char const *filename = cmp.file[dir_arg].name = free0
        = find_dir_file_pathname (dir, last_component (fnm));

        if (STREQ (fnm, "-"))
            fatal ("cannot compare '-' to a directory");

        if ((no_dereference_symlinks
             ? lstat (filename, &cmp.file[dir_arg].stat)
             : stat (filename, &cmp.file[dir_arg].stat))
            != 0)
        {
            perror_with_name (filename);
            status = EXIT_TROUBLE;
        }
    }

if (status != EXIT_SUCCESS)
{
/* One of the files should exist but does not. */
}
#endif
else if (cmp.file[0].desc == NONEXISTENT
&& cmp.file[1].desc == NONEXISTENT)
{
/* Neither file "exists", so there's nothing to compare. */
}
else if ((same_files
  = (cmp.file[0].desc != NONEXISTENT
     && cmp.file[1].desc != NONEXISTENT
     && 0 < same_file(&cmp.file[0].stat, &cmp.file[1].stat)
     && same_file_attributes(&cmp.file[0].stat,
           &cmp.file[1].stat)))
     && no_diff_means_no_output)
{
/* The two named files are actually the same physical file.
   We know they are identical without actually reading them. */
}
else if (DIR_P(0) & DIR_P(1))
{
    if (output_style == OUTPUT_IFDEF)
        fatal("-D option not supported with directories");

    /* If both are directories, compare the files in them. */

    if (parent && !recursive)
    {
    /* But don't compare dir contents one level down
       unless -r was specified.
       See POSIX 1003.1-2001 for this format. */
       message("Common subdirectories: %s and %s\n", cmp.file[0].name, cmp.file[1].name);
    }
    else
        status = diff_dirs(&cmp, compare_files);
}
else if ((!DIR_P(0) || DIR_P(1))
    || (parent
        && !((S_ISREG(cmp.file[0].stat.st_mode)
            || S_ISLNK(cmp.file[0].stat.st_mode))
        && (S_ISREG(cmp.file[1].stat.st_mode)
            || S_ISLNK(cmp.file[1].stat.st_mode)))
    )
{
    if (cmp.file[0].desc == NONEXISTENT || cmp.file[1].desc == NONEXISTENT)
    {
    /* We have a subdirectory that exists only in one directory. */

    if ((DIR_P(0) || !DIR_P(1))
&& recursive
&& (new_file
|| (unidirectional_new_file
    && cmp.file[0].desc == NONEXISTENT)))
status = diff_dirs (&cmp, compare_files);
else
{
    char const *dir;

    /* PARENT must be non-NULL here. */
    assert (parent);
    dir = parent->file[cmp.file[0].desc == NONEXISTENT].name;

    /* See POSIX 1003.1-2001 for this format. */
    message5 ("Only in %s: %s\n", dir, name0);

    status = EXIT_FAILURE;
}
else
{
    /* We have two files that are not to be compared. */

    /* See POSIX 1003.1-2001 for this format. */
    message5 ("File %s is a %s while file %s is a %s\n", file_label[0] ? file_label[0] : cmp.file[0].name,
        file_type (&cmp.file[0].stat),
        file_type (&cmp.file[1].stat));

    /* This is a difference. */
    status = EXIT_FAILURE;
}
else if (S_ISLNK (cmp.file[0].stat.st_mode)
    || S_ISLNK (cmp.file[1].stat.st_mode))
{
    /* We get here only if we use lstat(), not stat(). */
    assert (no_dereference_symlinks);

    if (S_ISLNK (cmp.file[0].stat.st_mode)
        && S_ISLNK (cmp.file[1].stat.st_mode))
    {
        /* Compare the values of the symbolic links. */
        char *link_value[2] = { NULL, NULL };

        for (f = 0; f < 2; f++)
        {


link_value[f] = xreadlink (cmp.file[f].name);
if (link_value[f] == NULL)
{
    perror_with_name (cmp.file[f].name);
    status = EXIT_TROUBLE;
    break;
}
if (status == EXIT_SUCCESS)
{
    if ( ! STREQ (link_value[0], link_value[1]))
    {
        message ("Symbolic links %s and %s differ\n", cmp.file[0].name, cmp.file[1].name);
        /* This is a difference. */
        status = EXIT_FAILURE;
    }
}
for (f = 0; f < 2; f++)
    free (link_value[f]);
else
{
    /* We have two files that are not to be compared, because
     * one of them is a symbolic link and the other one is not. */

    message5 ("File %s is a %s while file %s is a %s\n", file_label[0] ? file_label[0] : cmp.file[0].name,
                    file_type (&cmp.file[0].stat),
                    file_type (&cmp.file[1].stat));

    /* This is a difference. */
    status = EXIT_FAILURE;
}
else if (files_can_be_treated_as_binary
        && S_ISREG (cmp.file[0].stat.st_mode)
        && S_ISREG (cmp.file[1].stat.st_mode)
        && cmp.file[0].stat.st_size != cmp.file[1].stat.st_size)
{
    message ("Files %s and %s differ\n", file_label[0] ? file_label[0] : cmp.file[0].name,
    status = EXIT_FAILURE;
}
else
/* Both exist and neither is a directory. */

/* Open the files and record their descriptors. */

int oflags = O_RDONLY | (binary ? O_BINARY : 0);

if (cmp.file[0].desc == UNOPENED)
if ((cmp.file[0].desc = open (cmp.file[0].name, oflags, 0)) < 0)
{
    perror_with_name (cmp.file[0].name);
    status = EXIT_TROUBLE;
}
if (cmp.file[1].desc == UNOPENED)
{
    if (same_files)
        cmp.file[1].desc = cmp.file[0].desc;
    else if ((cmp.file[1].desc = open (cmp.file[1].name, oflags, 0)) < 0)
    {
        perror_with_name (cmp.file[1].name);
        status = EXIT_TROUBLE;
    }
}

/* Compare the files, if no error was found. */

if (status == EXIT_SUCCESS)
status = diff_2_files (&cmp);

/* Close the file descriptors. */

if (0 <= cmp.file[0].desc && close (cmp.file[0].desc) != 0)
{
    perror_with_name (cmp.file[0].name);
    status = EXIT_TROUBLE;
}
if (0 <= cmp.file[1].desc && cmp.file[0].desc != cmp.file[1].desc
    && close (cmp.file[1].desc) != 0)
{
    perror_with_name (cmp.file[1].name);
    status = EXIT_TROUBLE;
}

/* Now the comparison has been done, if no error prevented it,
and STATUS is the value this function will return. */

if (status == EXIT_SUCCESS)
{
if (report_identical_files && !DIR_P (0))
message ("Files %s and %s are identical",
    file_label[0] ? file_label[0] : cmp.file[0].name,
else
{
    /* Flush stdout so that the user sees differences immediately.
    This can hurt performance, unfortunately. */
    if (fflush (stdout) != 0)
        pfatal_with_name (_("standard output"));
}
free (free0);
free (free1);
return status;

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 * The classes in this package make JDBC easier to use and
 * reduce the likelihood of common errors. In particular, they:
 * <ul>
 * <li>Simplify error handling, avoiding the need for try/catch/finally
 * blocks in application code.
 * <li>Present exceptions to application code in a generic hierarchy of
 * unchecked exceptions, enabling applications to catch data access
 * exceptions without being dependent on JDBC, and to ignore fatal
 * exceptions there is no value in catching.
 * <li>Allow the implementation of error handling to be modified
 * to target different RDBMSes without introducing proprietary
 * dependencies into application code.
 * </ul>
 *
 * This package and related packages are discussed in Chapter 9 of
 * Expert One-On-One J2EE Design and Development
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*/
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* /opt/ws_local/PERMITS_SQL/1068412495_1594388232.98/0/spring-jdbc-5-2-5-release-sources-1-jar/org/springframework/jdbc/core/JdbcTemplate.java
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* /opt/ws_local/PERMITS_SQL/1068412495_1594388232.98/0/spring-jdbc-5-2-5-release-sources-1-jar/org/springframework/jdbc/core/metdata/CallMetaDataProviderFactory.java
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* /opt/ws_local/PERMITS_SQL/1068412495_1594388232.98/0/spring-jdbc-5-2-5-release-sources-1-jar/org/springframework/jdbc/core/SqlReturnType.java
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* /opt/ws_local/PERMITS_SQL/1068412495_1594388232.98/0/spring-jdbc-5-2-5-release-sources-1-jar/org/springframework/jdbc/datasource/embedded/EmbeddedDatabase.java
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/**
 * Close this LobCreator session and free its temporarily created BLOBs and CLOBs.
 * Will not need to do anything if using PreparedStatement's standard methods,
 * but might be necessary to free database resources if using proprietary means.
 * <p><b>NOTE</b>: Needs to be invoked after the involved PreparedStatements have
 * been executed or the affected O/R mapping sessions have been flushed.
 * Otherwise, the database resources for the temporary BLOBs might stay allocated.
 */

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/**
 * Implement this interface when parameters need to be customized based
 * on the connection. We might need to do this to make use of proprietary
 * features, available only with a specific Connection type.
 *
 * @author Rod Johnson
 * @author Thomas Risberg
 * @see CallableStatementCreatorFactory#newCallableStatementCreator(ParameterMapper)
 * @see org.springframework.jdbc.object.StoredProcedure#execute(ParameterMapper)
 */

/**
 * Create a Map of input parameters, keyed by name.
 * @param con a JDBC connection. This is useful (and the purpose of this interface)
 * if we need to do something RDBMS-specific with a proprietary Connection
 * implementation class. This class conceals such proprietary details. However,
 * it is best to avoid using such proprietary RDBMS features if possible.
 * @return a Map of input parameters, keyed by name (never { @code null})
 * @throws SQLException if an SQLException is encountered setting
 * parameter values (that is, there's no need to catch SQLException)
 */
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* /opt/ws_local/PERMITS_SQL/1068412495_1594388232.98/0/spring-jdbc-5-2-5-release-sources-1.jar/org/springframework/jdbc/datasource/lookup/SingleDataSourceLookup.java

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* /org/springframework/jdbc/datasource/lookup/BeanFactoryDataSourceLookup.java
* /org/springframework/jdbc/config/EmbeddedDatabaseBeanDefinitionParser.java
* /org/springframework/jdbc/datasource/DelegatingDataSource.java
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* /opt/ws_local/PERMITS_SQL/1068412495_1594388232.98/0/spring-jdbc-5-2-5-release-sources-1-
  jar/org/springframework/jdbc/support/lob/LobHandler.java
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*/
/**
 * Strategy interface for translating between {@link SQLException SQLExceptions}
 * and Spring's data access strategy-agnostic {@link DataAccessException}
 * hierarchy.
 */
Implementations can be generic (for example, using `@link java.sql.SQLException#getSQLState() SQLState`) codes for JDBC) or wholly proprietary (for example, using Oracle error codes) for greater precision.

* @author Rod Johnson
* @author Juergen Hoeller
* @see org.springframework.dao.DataAccessException
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1068412495_1594388232.98/0/spring-jdbc-5-2-5-release-sources-1-jar/org/springframework/jdbc/support/SQLExceptionTranslator.java

---

1.214 sysv-init 2.88dsf-59

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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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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

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* https://github.com/eclipse-ee4j/websocket-api

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1.221 s2 0.1.3.16

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1.224 liblocale-gettext-perl 1.05-8+b1

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Eclipse

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

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

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

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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

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

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

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

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

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

------

Oracle OpenJDK

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

* java.sun.security.ssl

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

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

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

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

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1.232 ini 1.46.0

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1.233 json-iterator-go 0.0.0-20180612202835-f2b4162afba3

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# This is the official list of people who can contribute
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# that the other addresses should be recognized as the
# same person when interacting with Gerrit.

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tomb - support for clean goroutine termination in Go.

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 xmlns:xi="http://www.w3.org/2001/XInclude"
 xmlns:db="http://docbook.org/ns/docbook">

<xsl:template name="isc.copyright.format">
  <xsl:param name="text"/>
  <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
  <xsl:text>&#10;</xsl:text>
  <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
  <xsl:if test="translate($rest, '&#9;&#32;', '')">
    <xsl:call-template name="isc.copyright.format">
      <xsl:with-param name="text" select="$rest"/>
    </xsl:call-template>
  </xsl:if>
</xsl:template>
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</xsl:text></xsl:variable>

<xsl:variable name="isc.copyright">
<xsl:call-template name="isc.copyright.format">
<xsl:with-param name="text">
<xsl:for-each select="book/info/copyright | refentry/docinfo/copyright">
<xsl:text>Copyright (C) </xsl:text>
<xsl:call-template name="copyright.years">
<xsl:with-param name="years" select="year"/>
</xsl:call-template>
<xsl:text> </xsl:text>
<xsl:value-of select="holder"/>
</xsl:for-each>
<xsl:value-of select="$isc.copyright.breakline"/>
</xsl:with-param>
</xsl:call-template>
</xsl:variable>
</xsl:stylesheet>

<!--
- Local variables:
- mode: sgml
- End:
-->}

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

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</pre>

## xwd v1.0.7

### xwd utility

#### xwd utility

<pre>"""
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<td>Device drivers</td>
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<td>Ext headers</td>
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jar/io/netty/channel/AbstractEventLoop.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/embedded/EmbeddedChannelId.java
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* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/socket/SocketChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
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jar/io/netty/channel/DefaultEventLoop.java
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jar/io/netty/channel/CompleteChannelFuture.java
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jar/io/netty/bootstrap/AbstractBootstrap.java
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jar/io/netty/channel/ChannelInboundHandlerAdapter.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/embedded/EmbeddedSocketAddress.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/ChannelPromiseAggregator.java
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jar/io/netty/channel/oio/OioEventLoopGroup.java
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jar/io/netty/channel/DefaultChannelPromise.java
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*/
/**
* Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in
* its [@link ChannelPipeline].
* 
* [@link ChannelHandler] itself does not provide many methods, but you usually have to implement one of its
* subtypes:
* <li>@link ChannelInboundHandler] to handle inbound I/O events, and</li>
* <li>@link ChannelOutboundHandler] to handle outbound I/O operations.</li>
* </ul>
* 
* Alternatively, the following adapter classes are provided for your convenience:
* <ul>
* <li>@link ChannelInboundHandlerAdapter] to handle inbound I/O events,</li>
* <li>@link ChannelOutboundHandlerAdapter] to handle outbound I/O operations, and</li>
* <li>@link ChannelDuplexHandler] to handle both inbound and outbound events</li>
* </ul>
* 
* For more information, please refer to the documentation of each subtype.
* 
* <h3>The context object</h3>
* 
*
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.

A `@link ChannelHandler` often needs to store some stateful information. The simplest and recommended approach is to use member variables:

```java
public interface Message {
    // your methods here
}

public class DataServerHandler extends `@link SimpleChannelInboundHandler<Message>` {
    private boolean loggedIn;

    @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();
            }
        }
    }
    ...
}
```

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 an unauthenticated client can get the confidential information:

```java
// Create a new handler instance per channel.
// See `@link ChannelInitializer#initChannel(Channel)`.
public class DataServerInitializer extends `@link ChannelInitializer<Channel>` {
    @Override
    public void initChannel(`@link Channel` channel) {
        channel.pipeline().addLast("handler", new DataServerHandler());
    }
}
```
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 AttributeKey which is provided by ChannelHandlerContext:

```java
public interface Message {
    // your methods here
}

@Sharable
public class DataServerHandler extends SimpleChannelInboundHandler<Message> {
    private final AttributeKey<Boolean> auth = AttributeKey.valueOf("auth");

    @Override
    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();
            }
        }
    }

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

Now that the state of the handler is attached to the ChannelHandlerContext, you can add the same handler instance to different pipelines:

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

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

In the example above which used an `AttributeKey`, you might have noticed the `@Sharable` annotation.

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

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

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

Additional resources worth reading

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

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1.253 klauspost-compress 1.10.5

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1.255 setup 2.8.71 10.el7

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1.256 go.uber.org/atomi 1.5.1

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1.258 keyutils 1.5.8 3.el7
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## ginkgo - https://github.com/onsi/ginkgo

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1.265 runc 1.0.0-rc9

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* /opt/ws_local/PERMITS_SQL/1069262507_1594595098.67/0/spring-aop-5-1-9-release-sources-
jar/org/springframework/aop/framework/scope/ScopedProxyUtils.java
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* /opt/ws_local/PERMITS_SQL/1069262507_1594595098.67/0/spring-aop-5-1-9-release-sources-jar/org/springframework/aop/Advisor.java
* /opt/ws_local/PERMITS_SQL/1069262507_1594595098.67/0/spring-aop-5-1-9-release-sources-jar/org/springframework/aop/interceptor/SimpleTraceInterceptor.java
* /opt/ws_local/PERMITS_SQL/1069262507_1594595098.67/0/spring-aop-5-1-9-release-sources-jar/org/springframework/aop/support/AbstractExpressionPointcut.java
* /opt/ws_local/PERMITS_SQL/1069262507_1594595098.67/0/spring-aop-5-1-9-release-sources-jar/org/springframework/aop/config/AspectComponentDefinition.java
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* /opt/ws_local/PERMITS_SQL/1069262507_1594595098.67/0/spring-aop-5-1-9-release-sources-jar/org/springframework/aop/aspectj/annotation/BeanFactoryAspectJAdvisorsBuilder.java
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* /opt/ws_local/PERMITS_SQL/1069262507_1594595098.67/0/spring-aop-5-1-9-release-sources-jar/org/springframework/aop/framework/adapter/DefaultAdvisorAdapterRegistry.java
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1.273 spring-web 5.2.5.RELEASE

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* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1.jar/org/springframework/http/server/reactive/CorsWebFilter.java
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#
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# ============================================
# 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/sql
application/srgsgram
application/srgs+xml
application/sru+xml
application/ssdl+xml
application/ssml+xml
# application/tamp-apex-update
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# application/vnd.vd-study
# application/vnd.vectorworks
# application/vnd.vel+json
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# application/vnd.vidsoft.vidconference
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# application/vnd.vividence.scriptfile
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# application/vnd.wap.sic
# application/vnd.wap.slc
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application/vnd.webturbowtb
# 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.playernbp
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application/vnd.wqdwqd
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# audio/bv32
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# audio/cn
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chemical/x-cmlcml
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# chemical/x-pd
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image/cgmigm
# image/dicom-rle
# image/emf
# image/example
# image/fits
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image/iefief
# image/jls
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# image/jpx
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# image/prs.pts
# image/pwg-raster
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# image/t38
image/tiftiff tif
# image/tiff-fx
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# image/vnd.airzip.accelerator.azv
# image/vnd.cns.inf2
image/vnd.dece.graphicuvivi uvg uvg
image/vnd.djvudjv djv
image/vnd.dvb.subtitlesub
image/vnd.dwgdwg
image/vnd.dxtdxf

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# message/global-delivery-status
# message/global-disposition-notification
# message/global-headers
# message/http
# message/news
# message/partial
message/rfc822	eml mime
# message/s-http
# message/sip
# message/sipfrag
# message/tracking-status
# message/vnd.si.simp
# message/vnd.wfa.wsc
# model/example
# model/gltf+json
model/iges
model/mesh mesh silo
model/vnd.collada+xml
daede
model/vnd.dwf
dwf
# model/vnd.flatland.3dml
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gdl
# model/vnd.gs-gdl
# model/vnd.gs.gdl
dmodel/vnd.gtwgtw
gtw
# model/vnd.moml+xml
dmodel/vnd.mts
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dmodel/vnd.opengex
d# model/vnd.parasolid.transmit.binary
# model/vnd.parasolid.transmit.text
# model/vnd.rosette.annotated-data-model
# model/vnd.valve.sourcecompiled-map
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model/vrmlvrml
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# model/x3d+fastinfoset
model/x3d+vrmlx3dv x3dvz
model/x3d+xmlx3d xml x3dz
# model/x3d-vrml
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d# multipart/appledouble
d# multipart/byteranges
d# multipart/digest
d# multipart/encrypted
d# multipart/example
d# multipart/form-data
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# multipart/parallel
# multipart/related
# multipart/report
# multipart/signed
# multipart/voice-message
# multipart/x-mixed-replace
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# text/rtp-enc-aescm128
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# text/ulpfec
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# text/uris
# text/urls
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# video/mp4v-es
video/mpegmpeg mpg mpe m1v m2v
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# video/vnd.directv.mpeg-tts
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# video/vnd.iptvforum.tsmpeg2
# video/vnd.motorola.video
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# video/vnd.nokia.interleaved-multimedia
# video/vnd.nokia.videovoiep
# video/vnd.objectvideo
# video/vnd.radgametools.bink
# video/vnd.radgametools.smacker
# video/vnd.sealed.mpeg
# video/vnd.sealed.mpeg4
# video/vnd.sealed.swf
# video/vnd.sealedmedia.softseal.mov
video/vnd.uvvu.mp4uvu uvvu
video/vnd.vivoviv
# video/vp8
video/webmwebm
video/x-f4vf4v
video/x-flifli
video/x-flvf
video/x-m4vm4v
video/x-matroskamkv mk3d mks
video/x-mngmng
video/x-ms-asfasf asx
video/x-ms-vobvob
video/x-ms-wmwm
video/x-ms-wmvwv
video/x-ms-wmxwmx
video/x-ms-wvxwvx
video/x-msvideovavi
video/x-sgi-moviemovie
video/x-smvsmv
x-conference/x-cooltalkice

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1-jar/org/springframework/http/mime.types
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* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1-jar/org/springframework/http/server/ServerHttpResponse.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1-jar/org/springframework/web/HttpMediaTypeException.java

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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1-jar/org/springframework/http/client/ClientHttpRequestExecution.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1-jar/org/springframework/web/context/request/RequestScope.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1-jar/org/springframework/http/ReactiveHttpOutputMessage.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1.jar/org/springframework/web/context/request/SessionScope.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1.jar/org/springframework/web/bind/annotation/GetMapping.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1.jar/org/springframework/web/context/annotation/RequestScope.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1.jar/org/springframework/web/bind/annotation/DeleteMapping.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1.jar/org/springframework/remoting/httpinvoker/HttpInvokerRequestExecutor.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1.jar/org/springframework/web/context/annotation/SessionScope.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1.jar/org/springframework/web/context/request/async/AsyncRequestTimeoutException.java

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* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1.jar/org/springframework/web/bind/annotation/RequestAttribute.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1.jar/org/springframework/web/bind/annotation/CookieValue.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1.jar/org/springframework/web/bind/annotation/PostMapping.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1.jar/org/springframework/http/converter/json/SpringHandlerInstantiator.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1.jar/org/springframework/web/context/support/ServletContextResourcePatternResolver.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1.jar/org/springframework/web/bind/support/WebBindingInitializer.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1.jar/org/springframework/web/context/annotation/ApplicationScope.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1.jar/org/springframework/web/context/request/WebRequestInterceptor.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1.jar/org/springframework/web/context/request/WebRequestInterceptor.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1.jar/org/springframework/web/context/support/ServletContextLiveBeansView.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1.jar/org/springframework/web/context/support/ServletContextLiveBeansView.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1.jar/org/springframework/web/context/request/async/TimeoutDeferredResultProcessingInterceptor.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1.jar/org/springframework/web/context/request/RequestContextHolder.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1.jar/org/springframework/web/context/request/RequestContextHolder.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1.jar/org/springframework/web/multipart/MultipartRequest.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1.jar/org/springframework/web/bind/annotation/PatchMapping.java

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* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1-
jar/org/springframework/web/context/support/ServletContextPropertySource.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1-jar/org/springframework/web/method/support/HandlerMethodArgumentResolver.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1-jar/org/springframework/web/context/support/ServletConfigPropertySource.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1-jar/org/springframework/http/server/ServerHttpAsyncRequestControl.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1-jar/org/springframework/web/context/support/SpringBeanAutowiringSupport.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1-jar/org/springframework/web/bind/ServletRequestBindingException.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1-jar/org/springframework/web/bind/annotation/ValueConstants.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1-jar/org/springframework/web/context/support/SpringBeanAutowiringSupport.java

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* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1-jar/org/springframework/web/bind/annotation/ValueConstants.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1-jar/org/springframework/web/context/support/SpringBeanAutowiringSupport.java
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* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1.jar/org/springframework/web/accept/PathExtensionContentNegotiationStrategy.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1.jar/org/springframework/web/method/HandlerMethod.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1.jar/org/springframework/http/ResponseCookie.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1.jar/org/springframework/http/server/reactive/ReactorServerHttpRequest.java
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* Return the web session for the current request. Always guaranteed to
  * return an instance either matching to the session id requested by the
  * client, or with a new session id either because the client did not
  * specify one or because the underlying session had expired. Use of this
  * method does not automatically create a session. See { @link WebSession}
  * for more details.
*/

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

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1.275 spring-context 5.1.9.RELEASE

1.276 lz4-java 1.7.1
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1.277 knz-go-libedit 1.10.1

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### 1.279 common-config 5.2.2

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1.281 rjeczalik-notify 0.9.2

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

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

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

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

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

The precise terms and conditions for copying, distribution and
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"work based on the library" and a "work that uses the library". The
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works together with the library.

Note that it is possible for a library to be covered by the ordinary
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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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its purpose remains meaningful.

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

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

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

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

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form
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If distribution of object code is made by offering access to copy
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source code from the same place satisfies the requirement to
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compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or
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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
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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.)

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

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

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

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

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1.291 websocket-servlet 9.4.27.v20200227

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

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

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

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

Oracle OpenJDK

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

* java.sun.security.ssl

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

OW2

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

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Mortbay

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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The of the start-stop-daemon

* A rewrite of the original Debian's start-stop-daemon Perl script
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* /opt/ws_local/PERMITS_SQL/1089654772_1600397317.82/0/python3-pycparser-2-18-1-ph-zip/usr/lib/python3.7/site-packages/pycparser/c_parser.py

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1.316 springfox-core 2.9.2

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* /opt/cola/permits/1177939693_1625570709.22/0/springfox-core-2-9-2-sources-3-jar/springfox/documentation/service/OAuth.java
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jar/springfox/documentation/RequestHandler.java
* /opt/cola/permits/1177939693_1625570709.22/0/springfox-core-2-9-2-sources-3-
jar/springfox/documentation/builders/RequestHandlerSelectors.java
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++++++++++++++++

Dean Elsner wrote the original gas for vax. [more details?]
Jay Fenlason maintained gas for a while, adding support for gdb-specific debug information and the 68k series machines, most of the preprocessing pass, and extensive changes in messages.c, input-file.c, write.c.

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

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

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

The Intel 80386 machine description was written by Eliot Dresselhaus.

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

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

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

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

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

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

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

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

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

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

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

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

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

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

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

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

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.
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For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.
Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

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

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

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

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

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

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

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

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

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

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

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

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

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that
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You may charge a fee for the physical act of transferring a copy,
and you may at your option offer warranty protection in exchange for a
fee.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

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

<one line to give the library's name and a brief idea of what it does.>
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<signature of Ty Coon>, 1 April 1990
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Version 2.1, February 1999

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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.

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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.

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

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

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

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

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

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

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

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

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

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

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

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

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

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.
If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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

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

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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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Protocol Buffers for Go with Gadgets

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

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https://github.com/golang/protobuf

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tomb - support for clean goroutine termination in Go.

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1.326 multipath-tools 0.8.8

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

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

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

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

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1.331 strace 4.24-6.el7

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1.334 go-resiliency 1.2.0

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### The Unicode Standard, Unicode Character Database, Version 10.0.0

### Unicode Character Database

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include/GL/wglxext.h :

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1.347 yajl 2.0.4 4.el7

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1.353 python-setuptools 41.0.1
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Jean-loup Gailly        Mark Adler
jloup@gzip.org          madler@alumni.caltech.edu

The following list of people, sorted by last name, have contributed
code or patches to this implementation of sudo since I began
maintaining it in 1993. This list is known to be incomplete--if
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Ackeret, Matt
Adler, Mark
Hideaki, Yoshifuji
Hieb, Dave
Holloway, Nick
Hoover, Adam
Hunter, Michael T.
Hutchings, Ben
Irrgang, Eric
Jackson, Brian
Jackson, John R.
Jackson, Richard L., Jr.
Janssen, Mark
Jepeway, Chris
Jorge, Joel Pele
Juhani, Timo
Kikuchi, Ayamura
Kadow, Kevin
Kasal, Stepan
Kienenberger, Mike
King, Dale
King, Michael
Klyachkin, Andrey
Knoble, Jim
Knox, Tim
Komarnitsky, Alek O.
Kondrashov, Nikolai
Kopeek, Daniel
Kranenburg, Paul
Krause, David
Lakin, Eric
Larsen, Case
Levin, Dmitry V.
Libby, Kendall
Lobbes, Phillip E.
McIntyre, Jason
MacKenzie, David J.
McLaughlin, Tom
Makey, Jeff
Marchionna, Michael D.
Markham, Paul
Martinian, Emin
Meskes, Michael
Michael, David
Miller, Todd C.
Minier, Loc
Moffat, Darren
Moldung, Jan Thomas
Morris, Charles
Mueller, Andreas
Miller, Dworin
Nieusma, Jeff
Nikitser, Peter A.
Nussel, Ludwig
Ouellet, Jean-Philippe
Paquet, Eric
Paradis, Chantal
Percival, Ted
Perera, Andres
Peron, Christian S.J.
Peschel, Aaron
Peslyak, Alexander
Peterson, Toby
Petten, Diego Elio
Pickett, Joel
Plotnick, Alex
de Raadt, Theo
Rasch, Gudleik
Reid, Steve
Richards, Matt
Rossum, Guido van
Rouillard, John P.
Rowe, William A., Jr.
Roy, Alain
Rusuame, Elan
Ryabinkin, Evgene
Sato, Yuichi
Sanchez, Wilfredo
Saucier, Jean-Francois
Schoenfeld, Patrick
Schuring, Arno
Schwarze, Ingo
Scott, Dougal
Sieger, Nick
Simon, Thor Lancelot
Slemko, Marc
Smith, Andy
Sobrado, Igor
Soulen, Steven
Spangler, Aaron
Spradling, Cloyce D.
Stier, Matthew
Stoeckmann, Tobias
Street, Russell
Stritzy, Tilo
Stroucken, Michael
Tarrall, Robert
Thomas, Matthew
The following people have worked to translate sudo into other languages:

- Blittermann, Mario
- Bogusz, Jakub
- Buo-ren, Lin
- Casagrande, Milo
- Castro, Felipe
- Cho, Seong-ho
- Chornoivan, Yuri
- Diguez, Francisco
- Fontenelle, Rafael
- Garca-Fontes, Walter
- Gezer, Volkan
- Hamasaki, Takeshi
- Hamming, Peter
- Hansen, Joe
- Hantrais, Frdric
- Hein, Jochen
- Hufthammer, Karl Ove
- Jerovek, Damir
- Karvonen, Jorma
- Kazik, Duan
- Kelemen, Gbor
- Keeci, Mehmet
- Koir, Klemen
Kozlov, Yuri
Kramer, Jakob
Krzidar, Tomislav
Marchal, Frederic
Margevicius, Algimantas
Maryanov, Pavel
Nikoli, Miroslav
Nylander, Daniel
Psa, Petr
Putanec, Boidar
Qun, Trn Ngc
Rasmussen, Sebastian
Regueiro, Leandro
Sar, zgr
Sendn, Abel
Sikrom, ka
Spingos, Dimitris
Taniguchi, Yasuaki
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1.370 paranamer 2.7

1.371 netty-codec 4.1.48.Final
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jar/io/netty/handler/codec/CharSequenceValueConverter.java
* /opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4-1-48-final-sources-2-
jar/io/netty/handler/codec/ValueConverter.java
* /opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4-1-48-final-sources-2-
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jar/io/netty/handler/codec/compression/JdkZlibDecoder.java
* /opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4-1-48-final-sources-2-
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/**
* Utility class for [@link ByteBuf] that encodes and decodes to and from
* <a href="http://en.wikipedia.org/wiki/Base64">Base64</a> notation.
* <p>
* The encoding and decoding algorithm in this class has been derived from
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/**
 * Enumeration of supported Base64 dialects.
 * <p>
 * The internal lookup tables in this class has been derived from
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* /opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4-1-48-final-sources-2-
jar/io/netty/handler/codec/DateFormatter.java
* /opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4-1-48-final-sources-2-
jar/io/netty/handler/codec/CodecOutputList.java
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* /opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4-1-48-final-sources-2-
jar/io/netty/handler/codec/ProtocolDetectionState.java
* /opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4-1-48-final-sources-2-
jar/io/netty/handler/codec/protobuf/ProtobufVarint32LengthFieldPrepender.java
* /opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4-1-48-final-sources-2-
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jar/io/netty/handler/codec/protobuf/ProtobufVarint32LengthFieldPrepender.java
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 */

/**
 * A decoder that splits the received \{ @link ByteBuf\}s dynamically by the
 * value of the length field in the message. It is particularly useful when you
 * decode a binary message which has an integer header field that represents the
 * length of the message body or the whole message.
 * <p>
 * \{@link LengthFieldBasedFrameDecoder\} has many configuration parameters so
 * that it can decode any message with a length field, which is often seen in
 * proprietary client-server protocols. Here are some example that will give
 * you the basic idea on which option does what.
 *
 * <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>
* <b>lengthAdjustment</b>    = 0
* <b>initialBytesToStrip</b> = 0 (= do not strip header)

* BEFORE DECODE (14 bytes) AFTER DECODE (14 bytes)

<table>
<thead>
<tr>
<th>Length</th>
<th>Actual Content</th>
<th>Length</th>
<th>Actual Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>0x000C</td>
<td>&quot;HELLO, WORLD&quot;</td>
<td>0x000C</td>
<td>&quot;HELLO, WORLD&quot;</td>
</tr>
</tbody>
</table>

* </pre>

* 2 bytes length field at offset 0, strip header</h3>

* Because we can get the length of the content by calling
* {@link ByteBuf#readableBytes()}, you might want to strip the length
* field by specifying <tt>initialBytesToStrip</tt>. In this example, we
* specified <tt>2</tt>, that is same with the length of the length field, to
* strip the first two bytes.
* <pre>
* lengthFieldOffset   = 0
* lengthFieldLength   = 2
* lengthAdjustment    = 0
* <b>initialBytesToStrip</b> = <b>2</b> (= the length of the Length field)
* </pre>

* BEFORE DECODE (14 bytes) AFTER DECODE (12 bytes)

<table>
<thead>
<tr>
<th>Length</th>
<th>Actual Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>0x000C</td>
<td>&quot;HELLO, WORLD&quot;</td>
</tr>
</tbody>
</table>

* </pre>

* 2 bytes length field at offset 0, do not strip header, the length field
* represents the length of the whole message</h3>

* In most cases, the length field represents the length of the message body
* only, as shown in the previous examples. However, in some protocols, the
* length field represents the length of the whole message, including the
* message header. In such a case, we specify a non-zero
* <tt>lengthAdjustment</tt>. Because the length value in this example message
* is always greater than the body length by <tt>2</tt>, we specify <tt>-2</tt>
* as <tt>lengthAdjustment</tt> for compensation.
* <pre>
* lengthFieldOffset   = 0
* lengthFieldLength   = 2
* <b>lengthAdjustment</b>   = <b>-2</b> (= the length of the Length field)
* <b>initialBytesToStrip</b> = 0
* </pre>
* BEFORE DECODE (14 bytes)    AFTER DECODE (14 bytes)
* +--------+----------------+      +--------+----------------+
* | Length | Actual Content |----->| Length | Actual Content |
* | 0x000E | "HELLO, WORLD" |      | 0x000E | "HELLO, WORLD" |
* +--------+----------------+      +--------+----------------+
* </pre>
* 
* ch3>3 bytes length field at the end of 5 bytes header, do not strip header</h3>
* 
* The following message is a simple variation of the first example. An extra
* header value is prepended to the message. &lt;tt&gt;lengthAdjustment&lt;/tt&gt; is zero
* again because the decoder always takes the length of the prepended data into
* account during frame length calculation.
* &lt;pre&gt;
* &lt;b&gt;lengthFieldOffset&lt;/b&gt;  = &lt;b&gt;2&lt;/b&gt; (= the length of Header 1)
* &lt;b&gt;lengthFieldLength&lt;/b&gt;  = &lt;b&gt;3&lt;/b&gt;
* &lt;i&gt;lengthAdjustment = 0
* &lt;i&gt;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>
* 
* ch3>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 &lt;tt&gt;lengthAdjustment&lt;/tt&gt; so that the decoder counts the extra
* header into the frame length calculation.
* &lt;pre&gt;
* &lt;i&gt;lengthFieldOffset   = 0
* &lt;i&gt;lengthFieldLength   = 3
* &lt;b&gt;lengthAdjustment&lt;/b&gt;  = &lt;b&gt;2&lt;/b&gt; (= the length of Header 1)
* &lt;i&gt;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>
* 
* ch3>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 `<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>

* 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>

* ch3>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>
*<pre>

* BEFORE DECODE (16 bytes) AFTER DECODE (13 bytes)
* +----------------+----------------+
* | HDR1 | Length | HDR2 | Actual Content |
* | 0xCA | 0x0010 | 0xFE | “HELLO, WORLD” |
* +----------------+----------------+

* </pre>

* @see LengthFieldPrepender
*/

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 */

Found in path(s):
  */opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4-1-48-final-sources-2-
  jar/io/netty/handler/codec/compression/Bzip2MTFAndRLE2StageEncoder.java
  */opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4-1-48-final-sources-2-
  jar/io/netty/handler/codec/compression/LzmaFrameEncoder.java
  */opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4-1-48-final-sources-2-
  jar/io/netty/handler/codec/compression/LzfDecoder.java
  */opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4-1-48-final-sources-2-
  jar/io/netty/handler/codec/compression/FastLzFrameEncoder.java
  */opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4-1-48-final-sources-2-
  jar/io/netty/handler/codec/compression/Bzip2DivSufSort.java
  */opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4-1-48-final-sources-2-
  jar/io/netty/handler/codec/compression/Lz4FrameDecoder.java
  */opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4-1-48-final-sources-2-
  jar/io/netty/handler/codec/compression/Bzip2BitReader.java
  */opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4-1-48-final-sources-2-
  jar/io/netty/handler/codec/compression/Lz4Constants.java
  */opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4-1-48-final-sources-2-
  jar/io/netty/handler/codec/json/JsonDecoder.java
  */opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4-1-48-final-sources-2-
  jar/io/netty/handler/codec/json/JsonObjectDecoder.java
  */opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4-1-48-final-sources-2-
  jar/io/netty/handler/codec/json/JsonEncoder.java
  */opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4-1-48-final-sources-2-
  jar/io/netty/handler/codec/json/JsonGenerator.java
  */opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4-1-48-final-sources-2-
  jar/io/netty/handler/codec/json/JsonParser.java
  */opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4-1-48-final-sources-2-
  jar/io/netty/handler/codec/string/StringDecoder.java
  */opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4-1-48-final-sources-2-
  */opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4-1-48-final-sources-2-
  jar/io/netty/handler/codec/json/JsonSchemaValidator.java
  */opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4-1-48-final-sources-2-
  jar/io/netty/handler/codec/json/JsonType.java
  */opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4-1-48-final-sources-2-
  jar/io/netty/handler/codec/jackson/JsonSerializer.java
  */opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4-1-48-final-sources-2-
  jar/io/netty/handler/codec/jackson/JsonDeserializer.java
  */opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4-1-48-final-sources-2-
  jar/io/netty/handler/codec/jackson/JsonFactory.java
  */opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4-1-48-final-sources-2-
  jar/io/netty/handler/codec/jackson/JsonSchemaFactory.java
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  */opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4-1-48-final-sources-2-
  jar/io/netty/handler/codec/jackson/JsonType.java
  */opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4-1-48-final-sources-2-
  jar/io/netty/handler/codec/serialization/ReferenceMap.java

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 */
* /opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4-1-48-final-sources-2-jar/io/netty/handler/codec/MessageAggregationException.java
* /opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4-1-48-final-sources-2-jar/io/netty/handler/codec/compression/Bzip2MoveToFrontTable.java

1.372 cockroachdb-circuitbreaker 2.2.2-0.20190114160014-a614b14ccf63+incompatible
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1.373 libvisual 0.4.0 16.el7

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1.374 go-colorable 0.1.7

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1.375 kubernetes-client 11.0.0+incompatible

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1.387 opensaml-security-api 3.3.0

1.388 websocket-server 9.4.27.v20200227

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

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

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

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* java.sun.security.ssl

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http://openjdk.java.net/legal/gplv2+ce.html

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org.ow2.asm:asm-commons
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
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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-el-api

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org.eclipse.jetty.toolchain:jetty-schemas

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1.392 glibc 1.2

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May 30th, 2017

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### 1.396 unzip 6.0 21.el7

#### 1.396.1 Available under license:

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the system specific ports.
Please read LICENSE first to find out what is allowed to do with Info-ZIP's UnZip code.

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There are currently two explicit copyrights on portions of UnZip code (at least, of which Info-ZIP is aware):
Jim Luther's Mac OS File Manager interface code; and Christopher Evans' MacBinaryIII coding code (for the MacOS port). These copyrights are discussed in more detail below.

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

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

There are no known patents on any of the code in UnZip. Unisys claims a patent on LZW encoding and on LZW decoding _in an apparatus that performs LZW encoding_, but the patent appears to exempt a stand-alone decoder (as in UnZip's unshrink.c). Unisys has publicly claimed otherwise, but the issue has never been tested in court. Since this point is unclear, unshrinking is not enabled by default. It is the responsibility of the user to make his or her peace with Unisys and its licensing requirements. (unshrink.c may be removed from future releases altogether.)

The original unzip source code has been extensively modified and almost entirely rewritten (changes include random zipfile access rather than sequential; replacement of unimplode() with explode(); replacement of old unshrink() with new (unrelated) unshrink(); replacement of output routines; addition of inflate(), wildcards, filename-mapping, text translation, ...; etc.). As far as we can tell, only the core code of the unreduce method remained substantially similar to Mr. Smith's original source. As of UnZip 5.42, the complete core code is now covered by the Info-ZIP Licence. Therefore, support for the reduce method has been removed.
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* MacBinaryIII.h

* Copyright 1997 Christopher Evans (cevans@poppybank.com)

* Basic encoding and decoding of Macintosh files to the MacBinary III spec.

* ________________________________________________________________
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Regarding the first stipulation, Mr. Smith was tracked down in southern
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May 1994, (213) 851-9969 (voice), (213) 887-2127(?) (subscription BBS),
71150.2731@compuserve.com]:

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

Despite the fact that our "normal" code has been entirely rewritten
and by default no longer contains any of Mr. Smith's code, Info-ZIP
remains indebted and grateful to him. We hope he finds our contribu-
tions as useful as we have his.

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The remaining code was written by many people associated with the
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Greg Roelofs (overall program logic, ZipInfo, unshrink, filename
mapping/portability, etc.), Mark Adler (inflate, explode, funzip),
Kai Uwe Rommel (OS/2), John Bush and Paul Kienitz (Amiga), Antoine Verheijen (Macintosh), Hunter Goatley (more VMS), Mike White (Windows DLLs), Christian Spieler (overall logic, optimization, VMS, etc.) and others. See the file CONTRIBS in the source distribution for a much more complete list of contributors.

The decompression core code for the deflate method (inflate.[ch], explode.c) was originally written by Mark Adler who submitted it as public domain code.

1.397 libsepol 2.3-2
1.397.1 Available under license:

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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: 4.1.63.Final
Built-By: root
Bnd-LastModified: 1617274739124
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.resolver;uses="io.netty.util.concurrent";version="4.1.63"
Bundle-Name: Netty/Resolver
Bundle-Version: 4.1.63.Final
Created-By: Apache Maven Bundle Plugin
Build-Jdk: 1.8.0_272
Implementation-URL: https://netty.io/netty-resolver/

1.409 make 3.82 24.el7
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Eclipse

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

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

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

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Oracle

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

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

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Oracle OpenJDK

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

* java.sun.security.ssl

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

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OW2

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

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

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Apache

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

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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

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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.

1.425 prometheus-common 0.6.0

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**1.427 buildah 1.14.8**

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Protocol Buffers for Go with Gadgets

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

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Protocol Buffers for Go with Gadgets

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http://github.com/gogo/protobuf

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

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match.go, match_test.go:

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

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* /opt/ws_local/PERMITS_SQL/1068412488_1594388515.45/0/jandex-2-1-1-final-sources-
  jar/org/jboss/jandex/FieldInfoGenerator.java
* /opt/ws_local/PERMITS_SQL/1068412488_1594388515.45/0/jandex-2-1-1-final-sources-
  jar/org/jboss/jandex/MethodInfoGenerator.java
* /opt/ws_local/PERMITS_SQL/1068412488_1594388515.45/0/jandex-2-1-1-final-sources-
  jar/org/jboss/jandex/TypeTarget.java
* /opt/ws_local/PERMITS_SQL/1068412488_1594388515.45/0/jandex-2-1-1-final-sources-
  jar/org/jboss/jandex/ParameterizedType.java
* /opt/ws_local/PERMITS_SQL/1068412488_1594388515.45/0/jandex-2-1-1-final-sources-
  jar/org/jboss/jandex/ParameterizedType.java
* /opt/ws_local/PERMITS_SQL/1068412488_1594388515.45/0/jandex-2-1-1-final-sources-
  jar/org/jboss/jandex/ParameterizedType.java
*/
jar/org/jboss/jandex/VoidType.java
* /opt/ws_local/PERMITS_SQL/1068412488_1594388515.45/0/jandex-2-1-1-final-sources-jar/org/jboss/jandex/IndexWriterImpl.java
* /opt/ws_local/PERMITS_SQL/1068412488_1594388515.45/0/jandex-2-1-1-final-sources-jar/org/jboss/jandex/EmptyTypeTarget.java
* /opt/ws_local/PERMITS_SQL/1068412488_1594388515.45/0/jandex-2-1-1-final-sources-jar/org/jboss/jandex/IndexReaderV2.java
* /opt/ws_local/PERMITS_SQL/1068412488_1594388515.45/0/jandex-2-1-1-final-sources-jar/org/jboss/jandex/TypeVariable.java
* /opt/ws_local/PERMITS_SQL/1068412488_1594388515.45/0/jandex-2-1-1-final-sources-jar/org/jboss/jandex/UnresolvedTypeVariable.java
* /opt/ws_local/PERMITS_SQL/1068412488_1594388515.45/0/jandex-2-1-1-final-sources-jar/org/jboss/jandex/ClassExtendsTypeTarget.java
* /opt/ws_local/PERMITS_SQL/1068412488_1594388515.45/0/jandex-2-1-1-final-sources-jar/org/jboss/jandex/TypeParameterTypeTarget.java
* /opt/ws_local/PERMITS_SQL/1068412488_1594388515.45/0/jandex-2-1-1-final-sources-jar/org/jboss/jandex/MethodInternal.java
* /opt/ws_local/PERMITS_SQL/1068412488_1594388515.45/0/jandex-2-1-1-final-sources-jar/org/jboss/jandex/ThrowsTypeTarget.java
* /opt/ws_local/PERMITS_SQL/1068412488_1594388515.45/0/jandex-2-1-1-final-sources-jar/org/jboss/jandex/AnnotationTargetFilterCollection.java

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* /opt/ws_local/PERMITS_SQL/1068412488_1594388515.45/0/jandex-2-1-1-final-sources-jar/org/jboss/jandex/Type.java
* /opt/ws_local/PERMITS_SQL/1068412488_1594388515.45/0/jandex-2-1-1-final-sources-jar/org/jboss/jandex/NamedName.java
* /opt/ws_local/PERMITS_SQL/1068412488_1594388515.45/0/jandex-2-1-1-final-sources-jar/org/jboss/jandex/PackedDataInputStream.java
* /opt/ws_local/PERMITS_SQL/1068412488_1594388515.45/0/jandex-2-1-1-final-sources-jar/org/jboss/jandex/AnnotationValue.java
* /opt/ws_local/PERMITS_SQL/1068412488_1594388515.45/0/jandex-2-1-1-final-sources-jar/org/jboss/jandex/AnnotationTarget.java
* /opt/ws_local/PERMITS_SQL/1068412488_1594388515.45/0/jandex-2-1-1-final-sources-jar/org/jboss/jandex/CompositeIndex.java
* /opt/ws_local/PERMITS_SQL/1068412488_1594388515.45/0/jandex-2-1-1-final-sources-jar/org/jboss/jandex/ClassInfo.java
* /opt/ws_local/PERMITS_SQL/1068412488_1594388515.45/0/jandex-2-1-1-final-sources-jar/org/jboss/jandex/FieldInternal.java
* /opt/ws_local/PERMITS_SQL/1068412488_1594388515.45/0/jandex-2-1-1-final-sources-jar/org/jboss/jandex/JarIndexer.java
* /opt/ws_local/PERMITS_SQL/1068412488_1594388515.45/0/jandex-2-1-1-final-sources-jar/org/jboss/jandex/Result.java
* /opt/ws_local/PERMITS_SQL/1068412488_1594388515.45/0/jandex-2-1-1-final-sources-jar/org/jboss/jandex/JarIndexer.java
* /opt/ws_local/PERMITS_SQL/1068412488_1594388515.45/0/jandex-2-1-1-final-sources-jar/org/jboss/jandex/StrongInternPool.java
* /opt/ws_local/PERMITS_SQL/1068412488_1594388515.45/0/jandex-2-1-1-final-sources-jar/org/jboss/jandex/AnnotationInstance.java
* /opt/ws_local/PERMITS_SQL/1068412488_1594388515.45/0/jandex-2-1-1-final-sources-jar/org/jboss/jandex/FieldInfo.java
* /opt/ws_local/PERMITS_SQL/1068412488_1594388515.45/0/jandex-2-1-1-final-sources-jar/org/jboss/jandex/MethodInfo.java
* /opt/ws_local/PERMITS_SQL/1068412488_1594388515.45/0/jandex-2-1-1-final-sources-jar/org/jboss/jandex/AnnotationTarget.java
* /opt/ws_local/PERMITS_SQL/1068412488_1594388515.45/0/jandex-2-1-1-final-sources-jar/org/jboss/jandex/FieldInfo.java
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* /opt/ws_local/PERMITS_SQL/1068412488_1594388515.45/0/jandex-2-1-1-final-sources-jar/org/jboss/jandex/NameTable.java
* /opt/ws_local/PERMITS_SQL/1068412488_1594388515.45/0/jandex-2-1-1-final-sources-jar/org/jboss/jandex/JandexAntTask.java
* /opt/ws_local/PERMITS_SQL/1068412488_1594388515.45/0/jandex-2-1-1-final-sources-jar/org/jboss/jandex/ClassType.java
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Protocol Buffers for Go with Gadgets

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

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Tomb - support for clean goroutine termination in Go.

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1.442 gophercloud 0.1.0
1.442.1 Available under license:

    package RESOURCE

    import ( "github.com/gophercloud/gophercloud"
// RESOURCE represents...
type Resource struct {
}

type commonResult struct {
gophercloud.Result
}

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

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

// DeleteResult is the response from a Delete operation. Call its ExtractErr to
// determine if the request succeeded or failed.
type DeleteResult struct {
    gophercloud.ErrResult
}

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

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

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

// NextPageURL extracts the "next" link from the links section of the result.
func (r ResourcePage) NextPageURL() (string, error) {
Contributor Tutorial

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

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

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

Step 5: Writing the Code

At this point, you should have:
- [x] Identified a feature or bug fix
- [x] Opened an Issue about it
- [x] Located the project's service code which validates the feature or fix
- [x] Have an OpenStack environment available to test with

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

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

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

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

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

#### A Single Bug Fix

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

#### Adding a Single Field

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

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

#### Adding a Single API Call

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

#### Adding a Suite of API Calls

If you're adding support for a "suite" of API calls (meaning: Create, Update,
Delete, Get), then you will need to create one Pull Request for _each_ call.
The following Pull Requests are good examples of how to do this:

* https://github.com/gophercloud/gophercloud/pull/584
* https://github.com/gophercloud/gophercloud/pull/586
* https://github.com/gophercloud/gophercloud/pull/587
* https://github.com/gophercloud/gophercloud/pull/594

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

### Adding an Entire OpenStack Project

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

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

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

Each Pull Request should contain the following:

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

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

### Unit Tests

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

Please do not use JSON fixtures from the API reference documentation. Please generate your own fixtures using the OpenStack environment you're testing with.

### Acceptance Tests

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

### Documentation

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

Dealing with Related Pull Requests

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

There are two methods of handling this:

### Create Independent Pull Requests

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

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

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

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

Advantages of this Method:

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

Disadvantages of this Method:

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

### Create a Chain of Pull Requests

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

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

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

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

Advantages of this Method:

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

Disadvantages of this Method:

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

The choice of method is up to you.

---

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

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b. Code Formatting checks

c. `go vet` checks

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

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

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

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

### Travis-CI

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

### Coveralls

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

### OpenLab

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

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

Request a Code Review

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

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

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

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

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

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

3. Missing unit tests or acceptance tests.

Submitting Changes
------------------

If a code review requires changes to be submitted, please do not squash your commits. Please only add new commits to the Pull Request. This is to help the code reviewer see only the changes that were made.

It's Never Personal
-------------------

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

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

---

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

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

```go
package testing
import {
    "fmt"
    "net/http"
    "testing"

    "github.com/gophercloud/gophercloud/openstack/service/vN/resources"
    "github.com/gophercloud/gophercloud/testhelper"
    "github.com/gophercloud/gophercloud/testhelper/client"
}
```
// ListResult provides a single page of RESOURCE results.
const ListResult = `{
}
`;

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

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

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

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

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

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

// SecondResourceUpdated is how SecondResource should look after an Update.
var SecondResourceUpdated = resources.Resource{}

// ExpectedResourcesSlice is the slice of resources expected to be returned from ListResult.
var ExpectedResourcesSlice = []resources.Resource{FirstResource, SecondResource}

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

        if r.URL.Path != `/resources`
            return

        // Set the expected headers.
        w.Header().Set(`Content-Type`, `application/json;charset=utf-8`)

        // Create the JSON response.
        res := `{
            "FirstResource": {
                "id": 1,
                "name": "First"
            },
            "SecondResource": {
                "id": 2,
                "name": "Second"
            }
        }`

        // Write the JSON response to the response writer.
        fmt.Fprintln(w, res)
    })
}
th.TestHeader(t, r, "Accept", "application/json")
th.TestHeader(t, r, "X-Auth-Token", client.TokenID)

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

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

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

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

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

// HandleDeleteResourceSuccessfully creates an HTTP handler at `/resources` on the // test handler mux that tests resource deletion.
func HandleDeleteResourceSuccessfully(t *testing.T) {
    th.Mux.HandleFunc(`/resources/9fe1d3`, func(w http.ResponseWriter, r *http.Request) {
        th.TestMethod(t, r, "DELETE")
        th.TestHeader(t, r, "X-Auth-Token", client.TokenID)

        w.WriteHeader(http.StatusNoContent)
    })
}

// HandleUpdateResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that tests resource update.
func HandleUpdateResourceSuccessfully(t *testing.T) {
    th.Mux.HandleFunc("/resources/9fe1d3", func(w http.ResponseWriter, r *http.Request) {
        th.TestMethod(t, r, "PATCH")
        th.TestHeader(t, r, "X-Auth-Token", client.TokenID)
        th.TestJSONRequest(t, r, UpdateRequest)
        w.WriteHeader(http.StatusOK)
        fmt.Fprintf(w, UpdateResult)
    })
}

package RESOURCE

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

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

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

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

// List retrieves a list of RESOURCES.
func List(client *gophercloud.ServiceClient, opts ListOptsBuilder) pagination.Pager {
    url := listURL(client)
    if opts != nil {
        query, err := opts.ToResourceListQuery()
        if err != nil {
            return pagination.Pager{Err: err}
        }
        url += query
    }
        return ResourcePage{pagination.LinkedPageBase{PageResult: r}}
    })
}
// Get retrieves details of a RESOURCE.
func Get(client *gophercloud.ServiceClient, id string) (r GetResult) {
    _, r.Err = client.Get(getURL(client, id), &r.Body, nil)
    return
}

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

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

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

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

// Delete deletes a RESOURCE.
func Delete(client *gophercloud.ServiceClient, id string) (r DeleteResult) {
    _, r.Err = client.Delete(deleteURL(client, id), nil)
    return
}

// UpdateOptsBuilder allows extensions to add additional parameters to
// the Update request.
type UpdateOptsBuilder interface {
    ToResourceUpdateMap() (map[string]interface{}, error)
}

// UpdateOpts represents parameters to update a RESOURCE.

type UpdateOpts struct {
}

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

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

package testing

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

func TestListResources(t *testing.T) {
    th.SetupHTTP()
    defer th.TeardownHTTP()
    HandleListResourcesSuccessfully(t)
    count := 0
        count++
        actual, err := resources.ExtractResources(page)
        th.AssertNoErr(t, err)
        th.AssertDeepEquals(t, ExpectedResourcesSlice, actual)
        return true, nil
    })
    th.AssertNoErr(t, err)
th.AssertEquals(t, count, 1)
}

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

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

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

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

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

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

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

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

    res := resources.Delete(client.ServiceClient(), "9fe1d3")
    th.AssertNoErr(t, res.Err)
}
func TestUpdateResource(t *testing.T) {
    th.SetupHTTP()
    defer th.TeardownHTTP()
    HandleUpdateResourceSuccessfully(t)

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

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

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package RESOURCE

import "github.com/gophercloud/gophercloud"

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

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

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

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

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

Step 7: Congratulations!

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

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

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

Step 4: Acceptance Testing

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

If we haven't started working on the feature or bug fix, why are we talking
Before you implement a feature or bug fix, you _must_ be able to test your code in a working OpenStack environment. Please do not submit code which you have only tested with offline unit tests.

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

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

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

---

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

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

Example to List RESOURCE

Example to Create a RESOURCE

Example to Update a RESOURCE

Example to Delete a RESOURCE

*/

package RESOURCE

Step 2: Create an Issue

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

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

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

Reporting a Bug

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

When reporting a bug, please try to provide as much information as you
The following issues are good examples for reporting a bug:

* https://github.com/gophercloud/gophercloud/issues/108
* https://github.com/gophercloud/gophercloud/issues/212
* https://github.com/gophercloud/gophercloud/issues/424
* https://github.com/gophercloud/gophercloud/issues/588
* https://github.com/gophercloud/gophercloud/issues/629
* https://github.com/gophercloud/gophercloud/issues/647

Feature Request
---------------

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

Feature requests can come in different forms:

### Adding a Feature to Gophercloud Core

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

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

The following issues are examples of core change discussions:

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

### Adding a Missing Field

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

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

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

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

### Adding a Missing API Call

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

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

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

### Adding a Missing API Suite

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

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

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

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

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

These kinds of feature additions are large undertakings. Adding support for an entire OpenStack project is something the Gophercloud team very much appreciates, but you should be prepared for several weeks of work and interaction with the Gophercloud team.

An example of how to create an issue for an entire project can be seen here:

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

---

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

**Step 3: Code Hunting**

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

Let's use the following issue as an example: [https://github.com/gophercloud/gophercloud/issues/621](https://github.com/gophercloud/gophercloud/issues/621).

In this issue, there's a request being made to add support for `availability_zone_hints` to the `networking/v2/networks` package.

Meaning, we want to change:

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

...to look like

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

We need to be sure that `availability_zone_hints` is a field which really does exist in the OpenStack Neutron project and it's not a field which was added as a customization to a single OpenStack cloud.

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

One way of verifying this is through the [OpenStack API reference documentation](https://developer.openstack.org/api-ref/network/v2/).

However, the API docs might either be incorrect or they might not provide all of the details we need to know in order to ensure this field is added correctly.

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

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

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

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

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

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

Examples of good code hunting can be seen here:
Code Hunting Tips

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

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

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

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

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

Step 1: Read Our Guides

There are two introductory guides you should read before proceeding:

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

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

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

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* /opt/cola/permits/1177939630_1625570717.51/0/springfox-spring-web-2-9-2-sources-3-jar/springfox/documentation/spring/web/plugins/CombinedRequestHandler.java
* /opt/cola/permits/1177939630_1625570717.51/0/springfox-spring-web-2-9-2-sources-3-jar/springfox/documentation/spring/web/readers/operation/OperationParameterHeadersConditionReader.java

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* /opt/cola/permits/1177939630_1625570717.51/0/springfox-spring-web-2-9-2-sources-3-jar/springfox/documentation/spring/web/readers/operation/ResponseMessagesReader.java
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* /opt/cola/permits/1177939630_1625570717.51/0/springfox-spring-web-2-9-2-sources-3-jar/springfox/documentation/spring/web/readers/operation/ResponseMessagesReader.java
* /opt/cola/permits/1177939630_1625570717.51/0/springfox-spring-web-2-9-2-sources-3-jar/springfox/documentation/spring/web/SpringfoxWebMvcConfiguration.java
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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 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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  jar/org/springframework/transaction/interceptor/TransactionalProxy.java
* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1-
  jar/org/springframework/dao/annotation/PersistenceExceptionTranslationPostProcessor.java

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  jar/org/springframework/transaction/jta/WebLogicJtaTransactionManager.java
* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1-
  jar/org/springframework/transaction/support/TransactionCallback.java
* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1-
  jar/org/springframework/jca/cci/CciOperationNotSupportedException.java
* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1-
  jar/org/springframework/jca/context/SpringContextResourceAdapter.java
* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1-
  jar/org/springframework/jca/cci/connection/SingleConnectionFactory.java
* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1-
  jar/org/springframework/transaction/jta/JtaTransactionObject.java
* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1-
  jar/org/springframework/transaction/support/SimpleTransactionScope.java
* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1-
  jar/org/springframework/jca/support/LocalConnectionFactory.java

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* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1-jar/org/springframework/transaction/interceptor/AbstractFallbackTransactionAttributeSource.java
* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1-jar/org/springframework/jca/cci/core/RecordExtractor.java
* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1-jar/org/springframework/transaction/jta/SpringJtaSynchronizationAdapter.java
* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1-jar/org/springframework/transaction/annotation/Isolation.java
* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1-jar/org/springframework/transaction/support/TransactionTemplate.java
* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1-jar/org/springframework/jca/context/BootstrapContextAware.java
* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1-jar/org/springframework/transaction/interceptor/RuleBasedTransactionAttribute.java
* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1-jar/org/springframework/transaction/interceptor/TransactionSynchronization.java
* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1-jar/org/springframework/transaction/InvalidTimeoutException.java
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* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1-jar/org/springframework/jca/cci/core/InteractionCallback.java
* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1-jar/org/springframework/transaction/TransactionSystemException.java
* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1-jar/org/springframework/dao/ConcurrencyFailureException.java
* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1-jar/org/springframework/dao/NonTransientDataAccessException.java
* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1-jar/org/springframework/transaction/TransactionRetrievalFailureException.java
* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1-jar/org/springframework/transaction/TransactionSystemException.java
* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1-jar/org/springframework/transaction/TransactionRetrievalFailureException.java
* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1-jar/org/springframework/transaction/TransactionSystemException.java
* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1-jar/org/springframework/transaction/TransactionRetrievalFailureException.java
* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1-jar/org/springframework/transaction/TransactionSystemException.java
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* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1.jar/org/springframework/transaction/reactive/TransactionCallback.java
* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1.jar/org/springframework/transaction/annotation/Ejb3TransactionAnnotationParser.java
* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1.jar/org/springframework/transaction/annotation/Propagation.java
* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1.jar/org/springframework/transaction/TransactionExecution.java
* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1.jar/org/springframework/transaction/reactive/TransactionalOperator.java
* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1.jar/org/springframework/transaction/reactive/TransactionProxyFactoryBean.java
* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1.jar/org/springframework/transaction/reactive/TransactionAttributeSource.java
* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1.jar/org/springframework/transaction/reactive/AbstractReactiveTransactionManager.java
* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1.jar/org/springframework/transaction/StaticTransactionDefinition.java
* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1.jar/org/springframework/transaction/interceptor/TransactionAttributeEditor.java
* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1.jar/org/springframework/transaction/annotation/AnnotationTransactionAttributeSource.java
* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1.jar/org/springframework/transaction/reactive/TransactionSynchronization.java
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* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1.jar/org/springframework/transaction/support/TransactionSynchronizationManager.java
* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1.jar/org/springframework/transaction/TransactionManager.java
* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1.jar/org/springframework/transaction/reactive/TransactionSynchronizationUtils.java
* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1.jar/org/springframework/transaction/ReactiveTransactionManager.java
* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1.jar/org/springframework/transaction/event/ApplicationListenerMethodTransactionalAdapter.java
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* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1-jar/org/springframework/transaction/config/TxAdviceBeanDefinitionParser.java
* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1-jar/org/springframework/jca/cci/core/RecordCreator.java

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* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1-jar/org/springframework/dao/PessimisticLockingFailureException.java
* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1-jar/org/springframework/dao/QueryTimeoutException.java
* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1-jar/org/springframework/transaction/transaction/JtaAfterCompletionSynchronization.java
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* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1-jar/org/springframework/transaction/InvalidDataAccessApiUsageException.java
* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1-jar/org/springframework/transaction/config/TxNamespaceHandler.java
* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1-jar/org/springframework/transaction/TransactionStateException.java
* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1-jar/org/springframework/transaction/TransactionTimeoutException.java
jar/org/springframework/dao/PermissionDeniedDataAccessException.java
* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1-
jar/org/springframework/transaction/InvalidIsolationLevelException.java
* /opt/ws_local/PERMITS_SQL/1068412586_1594388376.83/0/spring-tx-5-2-5-release-sources-1-
jar/org/springframework/transaction/CannotCreateTransactionException.java
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jar/org/springframework/transaction/CannotSerializeTransactionException.java
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Dynamic NDArray Developers list:

* Mark Wiebe
* Continuum Analytics

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//
package gitlab

import (
    "fmt"
)

// LicenseTemplate represents a license template.
//
// GitLab API docs:
// https://docs.gitlab.com/ce/api/templates/licenses.html
type LicenseTemplate struct {
    Key        string `json:"key"`
    Name       string `json:"name"`
    Nickname   string `json:"nickname"`
    Featured   bool   `json:"featured"`
    HTMLURL    string `json:"html_url"`
    SourceURL  string `json:"source_url"`
    Description string `json:"description"`
    Conditions []string `json:"conditions"`
    Permissions []string `json:"permissions"`
    Limitations []string `json:"limitations"`
    Content    string `json:"content"`
}

// LicenseTemplatesService handles communication with the license templates
// related methods of the GitLab API.

// GitLab API docs: https://docs.gitlab.com/ce/api/templates/licenses.html

type LicenseTemplatesService struct {
    client *Client
}

// ListLicenseTemplatesOptions represents the available
// ListLicenseTemplates() options.

// GitLab API docs:
// https://docs.gitlab.com/ce/api/templates/licenses.html#list-license-templates
type ListLicenseTemplatesOptions struct {
    ListOptions
    Popular *bool `url:"popular",omitempty` json:"popular,omitempty"
}

// ListLicenseTemplates get all license templates.

// GitLab API docs:
// https://docs.gitlab.com/ce/api/templates/licenses.html#list-license-templates
func (s *LicenseTemplatesService) ListLicenseTemplates(opt *ListLicenseTemplatesOptions, options ...RequestOptionFunc) ([]*LicenseTemplate, *Response, error) {
    req, err := s.client.NewRequest("GET", "templates/licenses", opt, options)
    if err != nil {
        return nil, nil, err
    }

    var lts []*LicenseTemplate
    resp, err := s.client.Do(req, &lts)
    if err != nil {
        return nil, resp, err
    }

    return lts, resp, nil
}
return lts, resp, err
}

// GetLicenseTemplateOptions represents the available
// GetLicenseTemplate() options.
//
// GitLab API docs:
// https://docs.gitlab.com/ce/api/templates/licenses.html#single-license-template
type GetLicenseTemplateOptions struct {
    Project *string `url:"project,omitempty" json:"project,omitempty"`
    Fullname *string `url:"fullname,omitempty" json:"fullname,omitempty"`
}

// GetLicenseTemplate get a single license template. You can pass parameters
// to replace the license placeholder.
//
// GitLab API docs:
// https://docs.gitlab.com/ce/api/templates/licenses.html#single-license-template
func (s *LicenseTemplatesService) GetLicenseTemplate(template string, opt *GetLicenseTemplateOptions, options ...RequestOptionFunc) (*LicenseTemplate, *Response, error) {
    u := fmt.Sprintf("templates/licenses/%s", template)
    req, err := s.client.NewRequest("GET", u, opt, options)
    if err != nil {
        return nil, nil, err
    }

    lt := new(LicenseTemplate)
    resp, err := s.client.Do(req, lt)
    if err != nil {
        return nil, resp, err
    }

    return lt, resp, err
}

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Protocol Buffers for Go with Gadgets

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

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https://github.com/golang/protobuf

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//
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package github

import {
    "context"
    "fmt"
}

// LicensesService handles communication with the license related
// methods of the GitHub API.
//
// GitHub API docs: https://docs.github.com/en/free-pro-team@latest/rest/reference/licenses/
type LicensesService service

// RepositoryLicense represents the license for a repository.
type RepositoryLicense struct {
    Name *string `json:"name,omitempty"`
    Path *string `json:"path,omitempty"`

    SHA         *string  `json:"sha,omitempty"`
    Size        *int     `json:"size,omitempty"`
    URL         *string  `json:"url,omitempty"`
    HTMLURL     *string  `json:"html_url,omitempty"`
    GitURL      *string  `json:"git_url,omitempty"`
    DownloadURL *string  `json:"download_url,omitempty"`
    Type        *string  `json:"type,omitempty"`
    Content     *string  `json:"content,omitempty"`
    Encoding    *string  `json:"encoding,omitempty"`
    License     *License `json:"license,omitempty"`
}

func (l RepositoryLicense) String() string {
    return Stringify(l)
}

// License represents an open source license.
type License struct {
    Key  *string `json:"key,omitempty"`
    Name *string `json:"name,omitempty"`
    URL  *string `json:"url,omitempty"`

    SPDXID         *string   `json:"spdx_id,omitempty"`
    HTMLURL        *string   `json:"html_url,omitempty"`
    Featured       *bool     `json:"featured,omitempty"`
    Description    *string   `json:"description,omitempty"`
    Implementation *string   `json:"implementation,omitempty"`
    Permissions    *[]string `json:"permissions,omitempty"

Conditions *[]string `json:"conditionsomitempty"`
Limitations *[]string `json:"limitationsomitempty"`
Body *string `json:"bodyomitempty"`

func (l License) String() string {
    return Stringify(l)
}

// List popular open source licenses.
//
// GitHub API docs: https://docs.github.com/en/free-pro-team@latest/rest/reference/licenses/#list-all-licenses
func (s *LicensesService) List(ctx context.Context) (*[]License, *Response, error) {
    req, err := s.client.NewRequest("GET", "licenses", nil)
    if err != nil {
        return nil, nil, err
    }
    var licenses []*License
    resp, err := s.client.Do(ctx, req, &licenses)
    if err != nil {
        return nil, resp, err
    }
    return licenses, resp, nil
}

// Get extended metadata for one license.
//
// GitHub API docs: https://docs.github.com/en/free-pro-team@latest/rest/reference/licenses/#get-a-license
func (s *LicensesService) Get(ctx context.Context, licenseName string) (*License, *Response, error) {
    u := fmt.Sprintf("licenses/%s", licenseName)
    req, err := s.client.NewRequest("GET", u, nil)
    if err != nil {
        return nil, nil, err
    }
    license := new(License)
    resp, err := s.client.Do(ctx, req, license)
    if err != nil {
        return nil, resp, err
    }
    return license, resp, nil
}

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https://github.com/dradtke/gotk3

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//

package gitlab

import "time"

// LicenseService handles communication with the license
// related methods of the GitLab API.
// GitLab API docs:
// https://docs.gitlab.com/ee/api/license.html

type LicenseService struct {
    client *Client
}

// License represents a GitLab license.

// GitLab API docs:
// https://docs.gitlab.com/ee/api/license.html
type License struct {
    ID               int        `json:"id"`
    Plan             string     `json:"plan"`
    CreatedAt        *time.Time `json:"created_at"`
    StartsAt         *ISOTime   `json:"starts_at"`
    ExpiresAt        *ISOTime   `json:"expires_at"`
    HistoricalMax    int        `json:"historical_max"`
    MaximumUserCount int        `json:"maximum_user_count"`
    Expired          bool       `json:"expired"`
    Overage          int        `json:"overage"`
    UserLimit        int        `json:"user_limit"`
    ActiveUsers      int        `json:"active_users"`
    Licensee         struct {
        Name    string `json:"Name"`
        Company string `json:"Company"`
        Email   string `json:"Email"`
    } `json:"licensee"`

    AddOns struct {
        GitLabAuditorUser int `json:"GitLab_Auditor_User"`
        GitLabDeployBoard int `json:"GitLab_DeployBoard"`
        GitLabFileLocks   int `json:"GitLab_FileLocks"`
        GitLabGeo         int `json:"GitLab_Geo"`
        GitLabServiceDesk int `json:"GitLab_ServiceDesk"`
    } `json:"add_ons"`
}

func (l License) String() string {
    return Stringify(l)
}

// GetLicense retrieves information about the current license.

// GitLab API docs:
// https://docs.gitlab.com/ee/api/license.html#retrieve-information-about-the-current-license
func (s *LicenseService) GetLicense() (*License, *Response, error) {

req, err := s.client.NewRequest("GET", "license", nil, nil)
if err != nil {
    return nil, nil, err
}

l := new(License)
resp, err := s.client.Do(req, l)
if err != nil {
    return nil, resp, err
}

return l, resp, err

// AddLicenseOptions represents the available AddLicense() options.
//
// https://docs.gitlab.com/ee/api/license.html#add-a-new-license
type AddLicenseOptions struct {
    License *string `url:"license" json:"license"
}

// AddLicense adds a new license.
//
// GitLab API docs:
// https://docs.gitlab.com/ee/api/license.html#add-a-new-license
func (s *LicenseService) AddLicense(opt *AddLicenseOptions, options ...RequestOptionFunc) (*License, *Response, error) {
    req, err := s.client.NewRequest("POST", "license", opt, options)
    if err != nil {
        return nil, nil, err
    }

    l := new(License)
    resp, err := s.client.Do(req, l)
    if err != nil {
        return nil, resp, err
    }

    return l, resp, err
}

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Mesa 3-D graphics library
Version: 7.0

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* /opt/cola/permits/1168237012_1621962037.41/0/netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/util/FingerprintTrustManagerFactory.java
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* /opt/cola/permits/1168237012_1621962037.41/0/netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/JdkBaseApplicationProtocolNegotiator.java
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* /opt/cola/permits/1168237012_1621962037.41/0/netty-handler-4-1-63-final-sources-1-
  jar/io/netty/handler/ssl/OpenSslPrivateKey.java
* /opt/cola/permits/1168237012_1621962037.41/0/netty-handler-4-1-63-final-sources-1-
  jar/io/netty/handler/ssl/OpenSslCachingKeyMaterialProvider.java
* /opt/cola/permits/1168237012_1621962037.41/0/netty-handler-4-1-63-final-sources-1-
  jar/io/netty/handler/ssl/OpenSslX509TrustManagerWrapper.java
* /opt/cola/permits/1168237012_1621962037.41/0/netty-handler-4-1-63-final-sources-1-
  jar/io/netty/handler/ssl/OpenSslCachingX509KeyManagerFactory.java
* /opt/cola/permits/1168237012_1621962037.41/0/netty-handler-4-1-63-final-sources-1-
  jar/io/netty/handler/ssl/OpenSslSession.java
* /opt/cola/permits/1168237012_1621962037.41/0/netty-handler-4-1-63-final-sources-1-
  jar/io/netty/handler/ssl/SignatureAlgorithmConverter.java
* /opt/cola/permits/1168237012_1621962037.41/0/netty-handler-4-1-63-final-sources-1-
  jar/io/netty/handler/ssl/ExtendedOpenSslSession.java
* /opt/cola/permits/1168237012_1621962037.41/0/netty-handler-4-1-63-final-sources-1-
  jar/io/netty/handler/ssl/OpenSslTLSv13X509ExtendedTrustManager.java
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  jar/io/netty/handler/ssl/OpenSslClientSessionCache.java
* /opt/cola/permits/1168237012_1621962037.41/0/netty-handler-4-1-63-final-sources-1-
  jar/io/netty/handler/ssl/OpenSslSessionId.java
* /opt/cola/permits/1168237012_1621962037.41/0/netty-handler-4-1-63-final-sources-1-
  jar/io/netty/handler/ssl/OpenSslSessionCache.java
* /opt/cola/permits/1168237012_1621962037.41/0/netty-handler-4-1-63-final-sources-1-
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* /opt/cola/permits/1168237012_1621962037.41/0/netty-handler-4-1-63-final-sources-1-
  jar/io/netty/handler/ssl/OptionalSslHandler.java
* /opt/cola/permits/1168237012_1621962037.41/0/netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/ocsp/package-info.java
* /opt/cola/permits/1168237012_1621962037.41/0/netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/JdkAlpnSslUtils.java
* /opt/cola/permits/1168237012_1621962037.41/0/netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/SslCompletionEvent.java
* /opt/cola/permits/1168237012_1621962037.41/0/netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/SslClientHelloHandler.java
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* /opt/cola/permits/1168237012_1621962037.41/0/netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/SslHandshakeCompletionEvent.java
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jar/io/netty/handler/traffic/ChannelTrafficShapingHandler.java
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jar/io/netty/handler/traffic/GlobalTrafficShapingHandler.java
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* /opt/cola/permits/1168237012_1621962037.41/0/netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/SslHandshakeTimeoutException.java
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1.490 cryptography 2.8-2.ph3

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Protocol Buffers for Go with Gadgets

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

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1.492 docker-go-metrics 0.0.1

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1.497 zap 1.10.0

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Provides-Extra: grpcio-tools
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Requires-Dist: protobuf (>=3.6)
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Nanopb - Protocol Buffers for Embedded Systems
==================================================================================================


Nanopb is a small code-size Protocol Buffers implementation in ansi C. It is especially suitable for use in microcontrollers, but fits any memory
Using the nanopb library
------------------------
To use the nanopb library, you need to do two things:

1. Compile your .proto files for nanopb, using `protoc`.
2. Include *pb_encode.c*, *pb_decode.c* and *pb_common.c* in your project.

The easiest way to get started is to study the project in "examples/simple".
It contains a Makefile, which should work directly under most Linux systems.
However, for any other kind of build system, see the manual steps in
README.txt in that folder.

Generating the headers
----------------------
Protocol Buffers messages are defined in a `.proto` file, which follows a standard
format that is compatible with all Protocol Buffers libraries. To use it with nanopb,
you need to generate `.pb.c` and `.pb.h` files from it:

```
python generator/nanopb_generator.py myprotocol.proto  # For source checkout
generator-bin/nanopb_generator myprotocol.proto        # For binary package
```

(Note: For instructions for nanopb-0.3.9.x and older, see the documentation
of that particular version [here](https://github.com/nanopb/nanopb/blob/maintenance_0.3/README.md))

The binary packages for Windows, Linux and Mac OS X should contain all necessary
dependencies, including Python, python-protobuf library and protoc. If you are
using a git checkout or a plain source distribution, you will need to install
Python separately. Once you have Python, you can install the other dependencies
with `pip install protobuf grpcio-tools`.

You can further customize the header generation by creating an `.options` file.
See [documentation](https://jpa.kapsi.fi/nanopb/docs/concepts.html#modifying-generator-behaviour) for details.

Running the tests
-----------------
If you want to perform further development of the nanopb core, or to verify
its functionality using your compiler and platform, you'll want to run the
test suite. The build rules for the test suite are implemented using Scons, so you need to have that installed (ex: `sudo apt install scons` or `pip install scons`). To run the tests:

```
cd tests
scons
```

This will show the progress of various test cases. If the output does not end in an error, the test cases were successful.

Note: Mac OS X by default aliases 'clang' as 'gcc', while not actually supporting the same command line options as gcc does. To run tests on Mac OS X, use: `scons CC=clang CXX=clang`. Same way can be used to run tests with different compilers on any platform.

For embedded platforms, there is currently support for running the tests on STM32 discovery board and [simavr](https://github.com/buserror/simavr) AVR simulator. Use `scons PLATFORM=STM32` and `scons PLATFORM=AVR` to run these tests.

Build systems and integration
-------------------------------

Nanopb C code itself is designed to be portable and easy to build on any platform. Often the bigger hurdle is running the generator which takes in the `.proto` files and outputs `.pb.c` definitions.

There exist build rules for several systems:

* **Makefiles**: `extra/nanopb.mk`, see `examples/simple`
* **CMake**: `extra/FindNanopb.cmake`, see `examples/cmake`
* **SCons**: `tests/site_scons` (generator only)
* **Bazel**: `BUILD` in source root
* **Conan**: `conanfile.py` in source root
* **PlatformIO**: https://platformio.org/lib/show/431/Nanopb
* **PyPI/pip**: https://pypi.org/project/nanopb/

And also integration to platform interfaces:

* **Arduino**: http://platformio.org/lib/show/1385/nanopb-arduino

Building nanopb - Using vcpkg
-------------------------------

You can download and install nanopb using the [vcpkg](https://github.com/Microsoft/vcpkg) dependency manager:

```
git clone https://github.com/Microsoft/vcpkg.git
cd vcpkg
```
/bootstrap-vcpkg.sh
./vcpkg integrate install
./vcpkg install nanopb

The nanopb port in vcpkg is kept up to date by Microsoft team members and community contributors. If the version is out of date, please [create an issue or pull request](https://github.com/Microsoft/vcpkg) on the vcpkg repository.

Found in path(s):
* /opt/cola/permits/1176040500_1625608205.61/0/nanopb-0-4-5-post1-tar-gz/nanopb-0.4.5.post1/PKG-INFO
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* org.eclipse.jetty.orbit:javax.security.auth.message

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

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

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

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Oracle OpenJDK

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* java.sun.security.ssl

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

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Apache

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

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

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

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org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[ ]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.
# This is the official list of people who can contribute
# (and typically have contributed) code to the Go repository.
# The AUTHORS file lists the copyright holders; this file
# lists people. For example, Google employees are listed here
# but not in AUTHORS, because Google holds the copyright.
#
# Names should be added to this file only after verifying that
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# The agreement for individuals can be filled out on the web.
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# An entry with multiple email addresses specifies that the
# first address should be used in the submit logs and
# that the other addresses should be recognized as the
# same person when interacting with Gerrit.
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1.516 jackson 2.10.5
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1.517 x-crypto 0.0.0-20201208171446-5f87f3452ae9

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1.528 datadog-zstd 1.4.0

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1.531 zookeeper-metrics-providers 3.7.0

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

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

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Oracle

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

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

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Oracle OpenJDK

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

* java.sun.security.ssl

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

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OW2

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

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

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Apache

The following artifacts are ASL2 licensed.

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

Open Source Used In ND-NODE v2.1.2b 6498
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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1.537 spring-boot-starter-aop 2.2.6.RELEASE
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<name>Apache License, Version 2.0</name>

Found in path(s):

1.538 golang-snappy 0.0.2-0.20190904063534-ff6b7dc882cf
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1.539 icu 50.1.2 15.el7
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## -*-makefile-*- BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)
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## Commands to generate dependency files
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)

## Flags for position independent code

Open Source Used In ND-NODE v2.1.2b 6517
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 $<"
@s $(SHELL) -ec $(GEN_DEPS.c) $<
| sed 's/\(.*\).o \: [^ ]*/\1.o $@ : /g' > $@;
 [ -s $@ ] || rm -f $@

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

%.SO.$(SO_TARGET_VERSION_MAJOR): %.SO.$(SO_TARGET_VERSION)
$(RM) $@ && ln -s $<F> $@
%.SO: %.SO.$(SO_TARGET_VERSION_MAJOR)
$(RM) $@ && ln -s $<F>.$(SO).$(SO_TARGET_VERSION) $@

## End FreeBSD-specific setup

1.540 ustr 1.0.4 16.el7

1.540.1 Available under license:

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1.542 jinja2 2.11.1

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Metadata-Version: 2.1
Name: Jinja2
Version: 2.11.1
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
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`_

```
$ 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 %}
```

Links
-----
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",
        "Operating System :: OS Independent",
        "Programming Language :: Python",
        "Programming Language :: Python :: 2",
        "Programming Language :: Python :: 2.7",
        "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]"]},
)

Found in path(s):
* /opt/cola/permits/1160880531_1620412710.41/0/jinja2-2-11-1-1-tar-gz/Jinja2-2.11.1/setup.py
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* /opt/cola/permits/1160880531_1620412710.41/0/jinja2-2-11-1-1-tar-gz/Jinja2-2.11.1/LICENSE.rst

1.543 pcre 8.32

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

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

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THE C++ WRAPPER FUNCTIONS
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1.544 perl-http-tiny 0.033 3.el7

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Nori Korean Morphological Analyzer - Apache Lucene Integration
===========================================================================

This software includes a binary and/or source version of data from

mecab-ko-dic-2.0.3-20170922

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<signature of Ty Coon>, 1 April 1990
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1.558 util-linux 2.23.2 61.el7_7.1

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 * SUCH DAMAGE.
 */

size: 8388608, sector size: 512, PT: dos, offset: 446, id=0x8f8378c0
---

#1: 32 7648 0x83
#2: 7680 8704 0xa5
#5: 7936 4864 0x7 (freebsd)
#6: 12544 3584 0x7 (freebsd)

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Initialize empty image
f1c9645dbc14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57c721e38d1266c2df055067c18f2cf9 bsd.img

---layout---------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

<table>
<thead>
<tr>
<th>Device</th>
<th>Start</th>
<th>End</th>
<th>Blocks</th>
<th>Id</th>
<th>System</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ts_dev</strong></td>
<td>2048</td>
<td>4095</td>
<td>1024</td>
<td>83</td>
<td>Linux</td>
</tr>
</tbody>
</table>

Create 1st primary partition
ada64ace122978d00d1d1c0e5ee45d26 bsd.img

---layout--------
__ts_dev__ : 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

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<td>2048</td>
<td>4095</td>
<td>1024</td>
<td>83</td>
<td>Linux</td>
</tr>
</tbody>
</table>

Create 2st primary partition
1bebf87248e05d66e626749da65d023 bsd.img
Set 2nd partition type
2d8e8df51a88a045db233418dd73fbe bsd.img

---layout--------
__ts_dev__ : 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

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<td>2048</td>
<td>4095</td>
<td>1024</td>
<td>83</td>
<td>Linux</td>
</tr>
</tbody>
</table>

Create default BSD
2e1cee529cb59e9341afe0443f196a1 bsd.img

---layout--------

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.
Command (m for help):

BSD disklabel command (m for help):
4 partitions:

<table>
<thead>
<tr>
<th>#</th>
<th>start</th>
<th>end</th>
<th>size</th>
<th>fstype</th>
<th>[fsize bsize cpg]</th>
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</thead>
<tbody>
<tr>
<td>c</td>
<td>4096</td>
<td>20479</td>
<td>16384</td>
<td>unused</td>
<td>0 0</td>
</tr>
<tr>
<td>d</td>
<td>0</td>
<td>16064</td>
<td>16065</td>
<td>unused</td>
<td>0 0</td>
</tr>
</tbody>
</table>

BSD disklabel command (m for help):

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BSD disklabel command (m for help):
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<th>end</th>
<th>size</th>
<th>fstype</th>
<th>[fsize bsize cpg]</th>
</tr>
</thead>
<tbody>
<tr>
<td>a</td>
<td>4096</td>
<td>6144</td>
<td>2049</td>
<td>4.2BSD</td>
<td>0 0 0</td>
</tr>
<tr>
<td>c</td>
<td>4096</td>
<td>20479</td>
<td>16384</td>
<td>unused</td>
<td>0 0</td>
</tr>
<tr>
<td>d</td>
<td>0</td>
<td>16064</td>
<td>16065</td>
<td>unused</td>
<td>0 0</td>
</tr>
</tbody>
</table>

BSD disklabel command (m for help):

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):

<table>
<thead>
<tr>
<th>0</th>
<th>unused</th>
<th>5</th>
<th>4.1BSD</th>
<th>9</th>
<th>4.4LFS</th>
<th>d</th>
<th>boot</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>swap</td>
<td>6</td>
<td>Eighth Edition</td>
<td>a</td>
<td>unknown</td>
<td>e</td>
<td>ADOS</td>
</tr>
<tr>
<td>2</td>
<td>Version 6</td>
<td>7</td>
<td>4.2BSD</td>
<td>b</td>
<td>HPFS</td>
<td>f</td>
<td>HFS</td>
</tr>
<tr>
<td>3</td>
<td>Version 7</td>
<td>8</td>
<td>MS-DOS</td>
<td>c</td>
<td>ISO-9660</td>
<td>10</td>
<td>AdvFS</td>
</tr>
<tr>
<td>4</td>
<td>System V</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
BSD disklabel command (m for help):  

1.559 gnupg 2.0.22 5.el7_5  
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c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

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

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

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

Thus, it is not the intent of this section to claim rights or contest
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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
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1.570 glibc 1.37

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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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"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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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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Accompany the work with the complete corresponding
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1.574 jackson-annotations 2.12.1

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1.576 cockroachdb-redact 1.0.7
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1.577 blackfriday 1.5.2

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converted to python May 2008
by Eli Collins

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UnixCrypt.java 0.9 96/11/25
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modified April 2001
by Iris Van den Broeke, Daniel De Ville

modified Aug 2005
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* /opt/ws_local/PERMITS_SQL/1072948623_1595240780.88/0/netty-resolver-4-1-51-final-sources.jar/io/netty/resolver/InetSocketAddressResolver.java
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   */opt/ws_local/PERMITS_SQL/1072948623_1595240780.88/0/netty-resolver-4-1-51-final-sources-jar/io/netty/resolver/RoundRobinInetAddressResolver.java

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Eclipse

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

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

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

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Oracle

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

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

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Oracle OpenJDK

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

* java.sun.security.ssl

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

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OW2

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

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Apache

The following artifacts are ASL2 licensed.

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

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MortBay

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

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

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

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.593 libnsl 1.2.0-r1

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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

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

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

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.597 colorama 0.4.4

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1.598 pkg-config 0.27.1 4.el7

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* /opt/cola/permits/1209224814_1633027633.04/0/json-smart-2-4-7-sources-2-jar/net/minidev/json/parser/JSONParserStream.java
* /opt/cola/permits/1209224814_1633027633.04/0/json-smart-2-4-7-sources-2-jar/net/minidev/json/parser/DefaultMapperCollection.java
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1.624 vividcortex-mysqlerr 0.0.0-20170204212430-6c6b55f8796f

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1.630 go-toml 1.2.0

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1.631 zlib 1.2.7-19.el7_9

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1.632 glibc 4.0.6

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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
and the initial implementation of incremental propagation, including the following new or changed files:

```c
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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1.642 go-simplejson v0.5.0

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1.643 xfsprogs 3.2.2 2.el7

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If such an object file uses only numerical parameters, data
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functions (ten lines or less in length), then the use of the object
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b) Use a suitable shared library mechanism for linking with the
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* /opt/cola/permits/1171520921_1623082911.03/0/nimbus-jose-jwt-9-10-sources-jar/com/nimbusds/jose/jwk/PEMEncodedKeyParser.java
* /opt/cola/permits/1171520921_1623082911.03/0/nimbus-jose-jwt-9-10-sources-jar/com/nimbusds/jose/jwk/gen/OctetSequenceKeyGenerator.java
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* /opt/cola/permits/1171520921_1623082911.03/0/nimbus-jose-jwt-9-10-sources-jar/com/nimbusds/jose/ActionRequiredForJWSCompletionException.java
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* /opt/cola/permits/1171520921_1623082911.03/0/nimbus-jose-jwt-9-10-sources-jar/com/nimbusds/jose/jwk/security/JWKSecurityContext.java
* /opt/cola/permits/1171520921_1623082911.03/0/nimbus-jose-jwt-9-10-sources-jar/com/nimbusds/jose/crypto/impl/RSASSA.java
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* /opt/cola/permits/1171520921_1623082911.03/0/nimbus-jose-jwt-9-10-sources-jar/com/nimbusds/jose/crypto/opts/package-info.java
* /opt/cola/permits/1171520921_1623082911.03/0/nimbus-jose-jwt-9-10-sources-jar/com/nimbusds/jose/crypto/impl/HMAC.java
* /opt/cola/permits/1171520921_1623082911.03/0/nimbus-jose-jwt-9-10-sources-jar/com/nimbusds/jose/crypto/impl/ECDSA.java

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* /opt/cola/permits/1171520921_1623082911.03/0/nimbus-jose-jwt-9-10-sources-
jar/com/nimbusds/jose/proc/JOSEObjectTypeVerifier.java
* /opt/cola/permits/1171520921_1623082911.03/0/nimbus-jose-jwt-9-10-sources-
jar/com/nimbusds/jose/jwk/source/JWKSecurityContextJWKSet.java

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* /opt/cola/permits/1171520921_1623082911.03/0/nimbus-jose-jwt-9-10-sources-
jar/com/nimbusds/jose/crypto/factories/DefaultJWSSignerFactory.java
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* /opt/cola/permits/1171520921_1623082911.03/0/nimbus-jose-jwt-9-10-sources-
jar/com/nimbusds/jose/crypto/bc/BouncyCastleFIPSProviderSingleton.java

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1.658 aws-sdk-go 1.29.29

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##
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1.660 x-net 0.0.0-20200301022130-244492dfa37a

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1.661 swaggo-files 0.0.0-20190704085106-630677cd5c14
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**1.662 reindex-client 6.8.3**

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1.665 gorilla 1.2.0

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1.666 gophercloud 0.15.0
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    package RESOURCE

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

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

type commonResult struct {
gophercloud.Result
}

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

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

// DeleteResult is the response from a Delete operation. Call its ExtractErr to
// determine if the request succeeded or failed.
type DeleteResult struct {
    gophercloud.ErrResult
}

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

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

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

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

// ExtractResources returns a slice of Resources contained in a single page of
// results.
func ExtractResources(r pagination.Page) ([]Resource, error) {
    var s struct {
        Resources []Resource `json:"resources"
    }
Contributor Tutorial

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

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

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

Step 5: Writing the Code

At this point, you should have:

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

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

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

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

Types of Pull Requests

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

#### A Single Bug Fix

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

#### Adding a Single Field

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

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

#### Adding a Single API Call

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

#### Adding a Suite of API Calls

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

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

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

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

#### Adding an Entire OpenStack Project

To add an entire OpenStack project, you must break each set of API calls into individual Pull Requests. Implementing an entire project can be thought of as implementing multiple API suites.
An example of this can be seen from the Pull Requests referenced in [#723](https://github.com/gophercloud/gophercloud/issues/723).

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

Each Pull Request should contain the following:

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

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

### Unit Tests

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

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

### Acceptance Tests

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

### Documentation

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

Dealing with Related Pull Requests
----------------------------------

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

There are two methods of handling this:

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

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

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

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

Advantages of this Method:

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

Disadvantages of this Method:

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

### Create a Chain of Pull Requests

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

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

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

Advantages of this Method:

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

Disadvantages of this Method:

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

The choice of method is up to you.

---

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

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

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

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

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

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

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

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

### Coveralls

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

### OpenLab

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

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

Request a Code Review
---------------------

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

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

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

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

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

3. Missing unit tests or acceptance tests.

Submitting Changes
------------------

If a code review requires changes to be submitted, please do not squash your
It's Never Personal
-------------------

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

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

---

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

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

```go
package testing

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

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

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

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

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

const UpdateResult = `{ }
`

var FirstResource = resources.Resource{}

var SecondResource = resources.Resource{}

var SecondResourceUpdated = resources.Resource{}

var ExpectedResourcesSlice = [ ]resources.Resource{FirstResource, SecondResource}

func HandleListResourceSuccessfully(t *testing.T) {
    th.Mux.HandleFunc("/resources", func(w http.ResponseWriter, r *http.Request) {
        th.TestMethod(t, r, "GET")
        th.TestHeader(t, r, "Accept", "application/json")
        th.TestHeader(t, r, "X-Auth-Token", client.TokenID)

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

func HandleGetResourceSuccessfully(t *testing.T) {
    th.Mux.HandleFunc("/resources/9fe1d3", func(w http.ResponseWriter, r *http.Request) {
        th.TestMethod(t, r, "GET")
        th.TestHeader(t, r, "Accept", "application/json")
        th.TestHeader(t, r, "X-Auth-Token", client.TokenID)

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

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

// HandleDeleteResourceSuccessfully creates an HTTP handler at `/resources` on the test handler mux that tests resource deletion.
func HandleDeleteResourceSuccessfully(t *testing.T) {
th.Mux.HandleFunc(`/resources/9fe1d3`, func(w http.ResponseWriter, r *http.Request) {
th.TestMethod(t, r, "DELETE")
th.TestHeader(t, r, "X-Auth-Token", client.TokenID)

w.WriteHeader(http.StatusNoContent)
})
}

// HandleUpdateResourceSuccessfully creates an HTTP handler at `/resources` on the test handler mux that tests resource update.
func HandleUpdateResourceSuccessfully(t *testing.T) {
th.Mux.HandleFunc(`/resources/9fe1d3`, func(w http.ResponseWriter, r *http.Request) {
th.TestMethod(t, r, "PATCH")
th.TestHeader(t, r, "X-Auth-Token", client.TokenID)

w.WriteHeader(http.StatusOK)
fmt.Fprintf(w, UpdateResult)
})
}

package testing
import {
"testing"
"github.com/gophercloud/gophercloud/openstack/service/vN/resources"
"github.com/gophercloud/gophercloud/pagination"

th "github.com/gophercloud/gophercloud/testhelper"
func TestListResources(t *testing.T) {
    th.SetupHTTP()
    defer th.TeardownHTTP()
    HandleListResourcesSuccessfully(t)

    count := 0
        count++
        actual, err := resources.ExtractResources(page)
        if err != nil {
            return false, err
        }
        th.AssertNoErr(t, err)
        th.AssertDeepEquals(t, ExpectedResourcesSlice, actual)
        return true, nil
    })
    if err != nil {
        return false, err
    }
    th.AssertNoErr(t, err)
    th.AssertEquals(t, count, 1)
}

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

    allPages, err := resources.List(client.ServiceClient(), nil).AllPages()
    if err != nil {
        return false, err
    }
    actual, err := resources.ExtractResources(allPages)
    if err != nil {
        return false, err
    }
    th.AssertNoErr(t, err)
    th.AssertDeepEquals(t, ExpectedResourcesSlice, actual)
}

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

    actual, err := resources.Get(client.ServiceClient(), "9fe1d3").Extract()
    if err != nil {
        return false, err
    }
    th.AssertNoErr(t, err)
}

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

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

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

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

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

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

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

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

package RESOURCE

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

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

// ListOpts provides options to filter the List results.  
type ListOpts struct {
// ToResourceListQuery formats a ListOpts into a query string.
func (opts ListOpts) ToResourceListQuery() (string, error) {
    q, err := gophercloud.BuildQueryString(opts)
    return q.String(), err
}

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

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

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

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

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

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

// Delete deletes a RESOURCE.
func Delete(client *gophercloud.ServiceClient, id string) (r DeleteResult) {
    resp, err := client.Delete(deleteURL(client, id), nil)
    _, r.Header, r.Err = gophercloud.ParseResponse(resp, err)
    return
}

// UpdateOptsBuilder allows extensions to add additional parameters to
// the Update request.
type UpdateOptsBuilder interface {
    ToResourceUpdateMap() (map[string]interface{}, error)
}

// UpdateOpts represents parameters to update a RESOURCE.
type UpdateOpts struct {
}

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

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

package RESOURCE
import "github.com/gophercloud/gophercloud"

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

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

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

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

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

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Step 7: Congratulations!
================================

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

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

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

Example to List RESOURCE

Example to Create a RESOURCE

Example to Update a RESOURCE

Example to Delete a RESOURCE

*/
package RESOURCE
Step 4: Acceptance Testing
==========================

If we haven't started working on the feature or bug fix, why are we talking about Acceptance Testing now?
Before you implement a feature or bug fix, you _must_ be able to test your code in a working OpenStack environment. Please do not submit code which you have only tested with offline unit tests.

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

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

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

---

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

Step 2: Create an Issue

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

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

Reporting a Bug

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

The following issues are good examples for reporting a bug:

* [https://github.com/gophercloud/gophercloud/issues/108](https://github.com/gophercloud/gophercloud/issues/108)
* [https://github.com/gophercloud/gophercloud/issues/212](https://github.com/gophercloud/gophercloud/issues/212)
* [https://github.com/gophercloud/gophercloud/issues/424](https://github.com/gophercloud/gophercloud/issues/424)
* [https://github.com/gophercloud/gophercloud/issues/588](https://github.com/gophercloud/gophercloud/issues/588)
* [https://github.com/gophercloud/gophercloud/issues/629](https://github.com/gophercloud/gophercloud/issues/629)
* [https://github.com/gophercloud/gophercloud/issues/647](https://github.com/gophercloud/gophercloud/issues/647)

Feature Request

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

Feature requests can come in different forms:

### Adding a Feature to Gophercloud Core

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

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

The following issues are examples of core change discussions:

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

### Adding a Missing Field

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

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

The following issues are examples of missing fields:

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

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

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

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

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

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

### Adding a Missing API Suite

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

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

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

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

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

### Adding a Missing OpenStack Project

These kinds of feature additions are large undertakings. Adding support for an entire OpenStack project is something the Gophercloud team very much appreciates, but you should be prepared for several weeks of work and interaction with the Gophercloud team.

An example of how to create an issue for an entire project can be seen here:

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

---

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

Step 3: Code Hunting

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

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

Let's use the following issue as an example: [https://github.com/gophercloud/gophercloud/issues/621](https://github.com/gophercloud/gophercloud/issues/621). In this issue, there's a request being made to add support for `availability_zone_hints` to the `networking/v2/networks` package. Meaning, we want to change:

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

to look like

```go

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

We need to be sure that `availability_zone_hints` is a field which really does exist in the OpenStack Neutron project and it's not a field which was added as a customization to a single OpenStack cloud.

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

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

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

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

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

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

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

Examples of good code hunting can be seen here:

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

Code Hunting Tips
--------------------

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

* The logic which implements Create and Delete actions is usually either located in the "model" or "controller" portion of the code.
* Use Github’s search box to search for the exact field you’re working on. Review all results to gain a good understanding of everywhere the field is used.

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

---

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

Step 1: Read Our Guides

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

There are two introductory guides you should read before proceeding:

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

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

---

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

---

1.667 coreos-semver 0.2.0

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1.672 python-iniparse 0.4 9.el7

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

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

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

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2.1     2.0+1.6.1 2001   PSF     no
2.0.1   2.0+1.6.1 2001   PSF     yes
2.1.1   2.1+2.0.1 2001   PSF     yes
2.2     2.1.1   2001   PSF     yes
2.1.2   2.1.1   2002   PSF     yes
2.1.3   2.1.2   2002   PSF     yes
2.2.1   2.2     2002   PSF     yes
2.2.2   2.2.1   2002   PSF     yes
2.2.3   2.2.2   2003   PSF     yes
2.3     2.2.2   2002-2003 PSF     yes
2.3.1   2.3     2002-2003 PSF     yes
2.3.2   2.3.1   2002-2003 PSF     yes
2.3.3   2.3.2   2002-2003 PSF     yes

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Protocol Buffers for Go with Gadgets

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

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

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

1.678 kafka-clients 2.3.1

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* 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.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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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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http://openjdk.java.net/legal/gplv2+ce.html

* java.sun.security.ssl

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* org.ow2.asm:asm

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* 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
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* org.eclipse.jetty.toolchain:jetty-schemas

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Full name: Thomas Becker
E-Mail: thomas.becker00@googlemail.com
Mailing Address:

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Full name: James Strachan
E-Mail: jstrachan@apache.org
Mailing Address: 1A Leigh Road, London, UK, N5 1ST

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Version: GnuPG v1.4.1 (Darwin)
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Mailing Address: 4676 Admiralty Way, Suite 520
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Point of Contact:
Full name: Gordon King
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<table>
<thead>
<tr>
<th>Name</th>
<th>Date added</th>
</tr>
</thead>
<tbody>
<tr>
<td>Simone Bordet</td>
<td>12 September 2006</td>
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* /opt/cola/permits/1135840621_1613612884.82/0/msgpack-core-0-8-20-sources-1-jar/org/msgpack/value/implement/ImmutableDoubleValueImpl.java
* /opt/cola/permits/1135840621_1613612884.82/0/msgpack-core-0-8-20-sources-1-jar/org/msgpack/core/buffer/DirectBufferAccess.java
* /opt/cola/permits/1135840621_1613612884.82/0/msgpack-core-0-8-20-sources-1-jar/org/msgpack/value/implement/ImmutableBooleanValueImpl.java
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* /opt/cola/permits/1135840621_1613612884.82/0/msgpack-core-0-8-20-sources-1-jar/org/msgpack/value/ExtensionValue.java
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jar/org/msgpack/value/ImmutableBooleanValue.java
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jar/org/msgpack/value/impl/ImmutableNilValueImpl.java
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jar/org/msgpack/core/MessageFormat.java
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Gocheck - A rich testing framework for Go

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

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compiler/cpp/src/parse/t_field.h
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lib/csharp/src/Transport/TTTransport.cs
lib/csharp/src/Transport/TTTransportException.cs
lib/csharp/src/Transport/TTTransportFactory.cs
lib/csharp/ThriftMSBuildTask/Properties/AssemblyInfo.cs
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```
analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java
```

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1.706 curl 7.29.0 25.el7.centos

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1.707 flowrate 0.15

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1.708 iputils 20121221 7.el7

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1.710 net-snmp 5.7.2-49.el7_9.1.0atomix1

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

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1.714 jetty-client 9.4.33.v20201020

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

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

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

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

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Oracle OpenJDK

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

* java.sun.security.ssl

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

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

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

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

org.eclipse.jetty.toolchain:jetty-schemas

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package cloud

import (
    "bytes"
    "io/ioutil"
    "os"
    "path/filepath"
    "strings"
    "testing"
)

var sentinels = []string{
    "Copyright",
    "Google",
    `Licensed under the Apache License, Version 2.0 (the "License");`,
}

func TestLicense(t *testing.T) {
    t.Parallel()
    err := filepath.Walk(".", func(path string, fi os.FileInfo, err error) error {
        if err != nil {
            return err
        }
        if ext := filepath.Ext(path); ext != ".go" && ext != ".proto" {
            if fi.FileMode()&os.ModePerm != os.ModePerm {
                return nil
            }
            if fi.IsDir() {
                return filepath.Walk(path, func(path string, fi os.FileInfo, err error) error {
                    if err != nil {
                        return err
                    }
                    if ext := filepath.Ext(path); ext != ".go" && ext != ".proto" {
                        if fi.FileMode()&os.ModePerm != os.ModePerm {
                            return nil
                        }
                        return nil
                    }
                    return err
                })
            }
            return nil
        }
        return err
    })
    if err != nil {
        t.Errorf("%s", err)
    }
    for _, s := range sentinels {
        if !strings.Contains(err.Error(), s) {
            t.Errorf("%s not found in license error: %s", s, err)
        }
    }
}

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// limitations under the License.
if strings.HasSuffix(path, ".pb.go") {
    // .pb.go files are generated from the proto files.
    // .proto files must have license headers.
    return nil
}
if path == "bigtable/cmd/cbt/cbtdoc.go" {
    // Automatically generated.
    return nil
}
if path == "cmd/go-cloud-debug-agent/internal/debug/elf/elf.go" {
    // BSD license, which is compatible, is embedded in the file.
    return nil
}
src, err := ioutil.ReadFile(path)
if err != nil {
    return nil
}
src = src[:300] // Ensure all of the sentinel values are at the top of the file.

// Find license
for _, sentinel := range sentinels {
    if !bytes.Contains(src, []byte(sentinel)) {
        t.Errorf("%v: license header not present. want %q", path, sentinel)
        return nil
    }
}

return nil
})
if err != nil {
    t.Fatal(err)
}

1.717 binutils 2.23.52
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++++++++++++++++

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

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

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

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

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

The Intel 80386 machine description was written by Eliot Dresselhaus.

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

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

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

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

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

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

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

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

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

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

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

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

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

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

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

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

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1.718 perl-socket 2.010 5.el7

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 *
 * L. Peter Deutsch
 * ghost@aladdin.com
 *
 */
```

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Chad Walters <chad@powerset.com>
-TJSONProtocol for C++ and Java

Nitay <nitayj@gmail.com>
-Support for "make check"

William Morgan <w@adap.tv>
-Miscellaneous Ruby improvements

Ben Maurer <bmaurer@andrew.cmu.edu>
-Restructuring the way Autoconf is used

Patrick Collison <patrick@collison.ie>
-Smalltalk bindings
Dave Simpson <dave@powerset.com>
-Better support for connection tracking in the C++ server
-Miscellaneous fixes

Igor Afanasyev <afan@evernote.com>
-Perl HttpClient and bugfixes

Todd Berman <tberman@imeem.com>
-MinGW port of the compiler
-C# bindings
-MS build task

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Release 20070917
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Dave Engberg <engberg@gmail.com>
-JavaBean/JavaDoc enhancements

Andrew McGeachie <geechorama@gmail.com>
-Cocoa/Objective-C support

Ben Maurer <bmaurer@andrew.cmu.edu>
-Python performance enhancements, fastbinary support

Andrew Lutomirski <andy@luto.us>
-Added optional/required keywords for C++ objects
-Added comparison operators for C++ structs

Johan Oskarsson <johan@oksarsson.nu>
-Java findbugs compliance fixes

Paul Saab <ps@powerset.com>
-IPv6 support for TSocket in C++/Python

Kevin Clark <kevin@powerset.com>
-Significant overhaul of Ruby code generation and servers

Simon Forman <sforman@gmail.com>
-TProcessorFactory abstraction for Java servers

Jake Luciani <jakers@gmail.com>
-Perl code generation, libraries, test code

David Reiss <dreiss@stanford.edu>
-strings.h include fix for bzero
-endianness fixes on TBinaryProtocol double serialization
-improved ntohl,htonl implementation
Dan Li <dto@dev.java.net>
- Java TestServer and Tutorial Fixes

Kevin Ko <kevin.s.ko@gmail.com>
- Fix for unnecessary std::string copy construction in Protocol/Exception

Paul Querna <pquerna@apache.org>
- Autoconf error message fix for libevent detection
- clock_gettime implementation for OSX

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Release 20070401
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1.723 rpcbind 0.2.0 33.el7_2.1
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 */

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1.725 jcmtturner-gofork 0.0.0-20190328161633-dc7c13fece03

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1.726 libiconv 1.16

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The End

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iniparse/compat.py and tests/test_compat.py contain code derived from
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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/ws_local/PERMITS_SQL/1074298755_1595724278.19/0/spring-boot-autoconfigure-2-1-8-release-sources-1.jar/org/springframework/boot/autoconfigure/web/reactive/function/client/ClientHttpConnectorConfiguration.java
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* /opt/ws_local/PERMITS_SQL/1074298755_1595724278.19/0/spring-boot-autoconfigure-2-1-8-release-sources-1.jar/org/springframework/boot/autoconfigure/hazelcast/HazelcastIpaDependencyAutoConfiguration.java
1.745 Librdkafka 0.11.5-1.el7

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* Project home: https://projects.eclipse.org/projects/ee4j.jaxrs

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## Source Code

The project maintains the following source code repositories:

* https://github.com/eclipse-ee4j/jaxrs-api

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javaee-api (7.0)
* License: Apache-2.0 AND W3C

JUnit (4.11)

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Mockito (2.16.0)

* Project: http://site.mockito.org
* Source: https://github.com/mockito/mockito/releases/tag/v2.16.0

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Gocheck - A rich testing framework for Go

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1.762 jackson-xc 2.10.5
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1.763 commons-collections 3.2.2

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1.764 gconf 3.2.6 8.el7

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

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

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

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

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

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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").

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b) You must cause the files modified to carry prominent notices
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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
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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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

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

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

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

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

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

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

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

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

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally
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1.771 clockwork 0.1.0
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Clockwork - a scheduler process to replace cron
===============================================
Cron is non-ideal for running scheduled application tasks, especially in an app deployed to multiple machines. [More details.](http://adam.heroku.com/past/2010/4/13/rethinking_cron/)

Clockwork is a lightweight, long-running Ruby process which sits alongside your web processes (Mongrel/Thin) and your worker processes (DJ/Resque/Minion/Stalker) to schedule recurring work at particular times or dates. For example,
refreshing feeds on an hourly basis, or send reminder emails on a nightly basis, or generating invoices once a month on the 1st.

Example
-------

Create schedule.rb:

    require 'clockwork'
    include Clockwork

    every('10s') { puts 'every 10 seconds' }
    every( '3m') { puts 'every 3 minutes' }
    every( '1h') { puts 'once an hour' }

    every('1d', :at => '00:00') { puts 'every night at midnight' }

Run it with the clockwork binary:

    $ clockwork schedule.rb

Or run directly with Ruby:

    $ ruby -r schedule -e Clockwork.run

Use with queueing
-----------------

Clockwork only makes sense as a place to schedule work to be done, not to do the work. It avoids locking by running as a single process, but this makes it impossible to parallelize. For doing the work, you should be using a job queueing system, such as

[Delayed Job](http://www.therailsway.com/2009/7/22/do-it-later-with-delayed-job),
[Beanstalk/Stalker](http://adam.heroku.com/past/2010/4/24/beanstalk_a_simple_and_fast_queueing_backend/),
[RabbitMQ/Minion](http://adamblog.heroku.com/past/2009/9/28/background_jobs_with_rabbitmq_and_minion/), or
[Resque](http://github.com/blog/542-introducing-resque). This design allows a simple scheduler process with no locks, but also offers near infinite horizontal scalability.

For example, if you're using Beanstalk/Staker:

    require 'clockwork'
    include Clockwork

    require 'stalker'
    include Stalker
every('1h') { enqueue('feeds.refresh') }
every('1d', :at => '01:30') { enqueue('reminders.send') }

Using a queueing system which doesn't require that your full application be loaded is preferable, because the scheduler process can keep a tiny memory footprint. If you're using DJ or Resque, however, you can go ahead and load your full application environment. For example, with DJ/Rails:

```
require 'config/boot'
require 'config/environment'

require 'clockwork'
include Clockwork

every('1h') { Feed.send_later(:refresh) }
every('1d', :at => '01:30') { Reminder.send_later(:send_reminders) }
```

In production
-------------

Only one scheduler process should ever be running across your whole application deployment. For example, if your app is running on three VPS machines (two app servers and one database), your app machines might have the following process topography:

* Machine 1: 3 web (thin start), 3 workers (rake jobs:work), 1 scheduler (clockwork schedule.rb)
* Machine 2: 3 web (thin start), 3 workers (rake jobs:work)

You should use Monit, God, Upstart, or Inittab to keep your scheduler process running the same way you keep your web and workers running.

Meta
----

Created by Adam Wiggins

Inspired by [rufus-scheduler](http://rufus.rubyforge.org/rufus-scheduler/) and [http://github.com/bvandenbos/resque-scheduler](resque-scheduler)

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1.772 protobuf 1.23.0

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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
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
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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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module is selected.

* java.sun.security.ssl

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

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OW2

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

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org.apache.taglibs:taglibs-standard-spec
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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
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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1.783 jackson 2.10.3
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### 1.784 mtrmac-gpgme 0.1.2

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1.786 goprotobuf 1.5.2
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**1.788 gdbm 1.10 8.el7**

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Version 3, 29 June 2007

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https://bitbucket.org/eunjeon/mecab-ko-dic/downloads/mecab-ko-dic-2.0.3-20170922.tar.gz

1.796 hibernate-validator 6.0.17.Final
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 */
/**
 * <p>
 * A method-level constraint, that evaluates a script expression against the
 * annotated method or constructor. This constraint can be used to implement
 * validation routines that depend on several parameters of the annotated
 * executable.
Script expressions can be written in any scripting or expression language, for which a <a href="http://jcp.org/en/jsr/detail?id=223">JSR 223</a> compatible engine can be found on the classpath. To refer to a parameter within the scripting expression, use its name as obtained by the active <a href="#"></a> ExpressionProvider. By default, <code>@code arg0</code>, <code>@code arg1</code> etc. will be used as parameter names.

The following listing shows an example using the JavaScript engine which comes with the JDK:

```java
@ParameterScriptAssert(script = "arg0.before(arg1)", lang = "javascript")
public void createEvent(Date start, Date end) { ... }
```

Can be specified on any method or constructor.

@link javax.validation.ParameterNameProvider

@author Gunnar Morling

Hibernate Validator, declare and validate application constraints

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  jar/org/hibernate/validator/internal/util/TypeHelper.java
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 */

/**
 * Retrieves constraint related meta data for the parameters of the given
 * executable.
 *
 * @param executable The executable of interest.
 *
 * @return A list with parameter meta data for the given executable.
 */

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* /opt/cola/permits/1110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-
  jar/org/hibernate/validator/internal/metadata/provider/AnnotationMetaDataProvider.java
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* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernate/validator/internal/util/privilegedactions/GetDeclaredConstructor.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernate/validator/internal/engine/groups/DefaultValidationOrder.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernate/validator/cfg/defs/br/package-info.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernate/validator/cfg/defs/Mod11CheckDef.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernate/validator/cfg/defs/MaxDef.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernate/validator/time/future/FutureValidatorForMonthDay.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernate/validator/time/pastorpresent/PastOrPresentValidatorForInstant.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernate/validator/notempty/NotEmptyValidatorForArraysOfFloat.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernate/validator/spi/scripting/ScriptEvaluationException.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernate/validator/resourceloading/package-info.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernate/validator/resourceloading/DelegatingResourceBundleLocator.java
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* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernate/validator/internal/engine/valueextraction/MapPropertyValueExtractor.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernate/validator/internal/xml/mapping/ConstraintDefinitionStaxBuilder.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernate/validator/internal/constraintvalidators/hv/pl/NIPValidator.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernate/validator/internal/xml/mapping/ConstrainedParameterStaxBuilder.java
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* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernate/validator/internal/metadata/core/MetaConstraint.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernate/validator/internal/util/privilegedactions/GetDeclaredFields.java
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* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernate/validator/messageinterpolation/HibernateMessageInterpolatorContext.java
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* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernate/validator/internal/constraintvalidators/bv/number/sign/NegativeOrZeroValidatorForNumber.java
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* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4.jar/org/hibernate/validator/internal/constraintvalidators/bv/number/sign/NegativeValidatorForNumber.java
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* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4.jar/org/hibernate/validator/cfg/context/Cascadable.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4.jar/org/hibernate/validator/internal/xml/mapping/AbstractOneLineStringStaxBuilder.java
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* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4.jar/org/hibernate/validator/internal/metadata/raw/AbstractConstrainedElement.java
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Date.java
* /opt/cola/permits/1110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-
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jar/org/hibernate/validator/internal/util/logging/LoggerFactory.java
* /opt/cola/permits/1110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-
jar/org/hibernate/validator/cfg/defs/DurationMaxDef.java
* /opt/cola/permits/1110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-
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* /opt/cola/permits/1110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-
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* /opt/cola/permits/1110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-
jar/org/hibernate/validator/internal/bean/BeanMetaDataManager.java
* /opt/cola/permits/1110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-
jar/org/hibernate/validator/internal/metadata/aggregated/rule/package-info.java
* /opt/cola/permits/1110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-
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* /opt/cola/permits/1110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-
jar/org/hibernate/validator/internal/metadata/aggregated/ContainerElementConstraintMappingContext.java
* /opt/cola/permits/1110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-
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* /opt/cola/permits/1110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4.jar/org/hibernate/validator/internal/ValueExtractor.java
* /opt/cola/permits/1110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4.jar/org/hibernate/validator/cfg/context/TypeTarget.java
* /opt/cola/permits/1110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4.jar/org/hibernate/validator/cfg/defs/CreditCardNumberDef.java
* /opt/cola/permits/1110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4.jar/org/hibernate/validator/hibernate-validator.java
* /opt/cola/permits/1110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4.jar/org/hibernate/validator/internal/metadata/aggregated/ExecutableMetaData.java
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* /opt/cola/permits/1110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernate/validation/overview.html
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PCRE is a library of functions to support regular expressions whose syntax and semantics are as close as possible to those of the Perl 5 language.

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

THE BASIC LIBRARY FUNCTIONS

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Protocol Buffers for Go with Gadgets

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

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https://github.com/golang/protobuf

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X-GMX-Antivirus: -1 (not scanned, may not use virus scanner)
X-GMX-Antispam: 0 (Mail was not recognized as spam)
X-GMX-UID: lJF3ZO9DeSEkJ2TcbHQhaXN1IGRvb0Ca
X-Virus-Scanned: by amavisd-new at localhost
Status: RO
X-Status:
X-Keywords:
X-UID: 44736

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using # comment style to be complete
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On Wed, 1 Mar 2006 20:15:02 +0100 (CET) Peter S. Mazinger wrote:
> Hello Glenn!

> I would want to add testregex.c and the related *.dat files to the uClibc
testsuite. uClibc is licensed under LGPL v2.1. I haven't found any
> licensing related info on testregex.

> Is it allowed to use the code there, or should Iacommodate the testsuite
to download the needed files from the original site each time it is ran?

> Thanks, Peter

> --
> Peter S. Mazinger <ps dot m at gmx dot net> ID: 0xA5F059F2
> Key fingerprint = 92A4 31E1 56BC 3D5A 2D08 BB6E C389 975E A5F0 59F2
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1.812 json-c 0.99.8
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<!-- Generate ISC copyright comments from Docbook copyright metadata. -->

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

  <xsl:variable name="isc.copyright.text">
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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

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

* atf-c/ui.c: The format_paragraph and format_text functions were derived form the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5fff2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

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

Author: Julio Merino <jmmv84@gmail.com>

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

Author: Julio Merino <jmmv84@gmail.com>

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(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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functions (ten lines or less in length), then the use of the object
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@enumerate
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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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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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 */
/**
 * Constructs a new [@link Textifier](#Textifier). <i>Subclasses must not use this
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 * version.
 *
 * @throws IllegalStateException
 * If a subclass calls this constructor.
 */

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/**
 * Creates a new {AnalyzerAdapter}. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * {AnalyzerAdapter(int, String, int, String, String, MethodVisitor)}
 * version.
 *
 * @param owner
 * the owner's class name.
 * @param access
 * the method's access flags (see {Opcodes}).
 * @param name
 * the method's name.
 * @param desc
 * the method's descriptor (see {Type}).
 * @param mv
 * the method visitor to which this adapter delegates calls. May
 * be <tt>null</tt>.
 */
* @throws IllegalStateException
  * If a subclass calls this constructor.
* /

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  jar/org/objectweb/asm/TypeReference.java
* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
  jar/org/objectweb/asm/TypePath.java

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*/
/**
 * Constructs a new {@link LocalVariableAnnotationNode}. <i>Subclasses must
 * not use this constructor</i>. Instead, they must use the
 * {@link #LocalVariableAnnotationNode(int, TypePath, LabelNode[], LabelNode[], int[], String)}
 * version.
 *
 * @param typeRef
 *            a reference to the annotated type. See {@link TypeReference}.
 * @param typePath
 *            the path to the annotated type argument, wildcard bound, array
 *            element type, or static inner type within 'typeRef'. May be
 *            <tt>null</tt> if the annotation targets 'typeRef' as a whole.
 * @param start
 *            the fist instructions corresponding to the continuous ranges
 *            that make the scope of this local variable (inclusive).
 * @param end
 *            the last instructions corresponding to the continuous ranges
 *            that make the scope of this local variable (exclusive). This
 *            array must have the same size as the 'start' array.
 * @param index
 *            the local variable's index in each range. This array must have
 *            the same size as the 'start' array.
 * @param desc
 *            the class descriptor of the annotation class.
 */

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  jar/org/objectweb/asm/tree/LocalVariableAnnotationNode.java
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  jar/org/objectweb/asm/commons/RemappingMethodAdapter.java
* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
  jar/org/objectweb/asm/tree/LineNumberNode.java
* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
  jar/org/objectweb/asm/tree/AbstractInsnNode.java
* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
  jar/org/objectweb/asm/tree/analysis/Frame.java
* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
  jar/org/objectweb/asm/tree/analysis/AnalyzerException.java
* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
  jar/org/objectweb/asm/util/CheckAnnotationAdapter.java
* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
  jar/org/objectweb/asm/util/TraceMethodVisitor.java
* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
  jar/org/objectweb/asm/optimizer/ConstantPool.java
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  jar/org/objectweb/asm/MethodWriter.java
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  jar/org/objectweb/asm/tree/IntInsnNode.java
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jar/org/objectweb/asm/commons/RemappingFieldAdapter.java
* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-jar/org/objectweb/asm/util/TraceSignatureVisitor.java
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* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-jar/org/objectweb/asm/Attribute.java
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* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-jar/org/objectweb/asm/tree/analysis/SourceInterpreter.java

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  jar/org/objectweb/asm/util/ASMifiable.java
* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
  jar/org/objectweb/asm/util/Textifiable.java

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*/
/**
* Constructs a new [@link ClassNode]. <i>Subclasses must not use this constructor</i>. Instead, they must use the [@link #ClassNode(int)] version.
* @throws IllegalStateException
*     If a subclass calls this constructor.
*/

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*/opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4.jar/org/objectweb/asm/tree/ClassNode.java
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  jar/org/objectweb/asm/package.html
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* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
jar/org/objectweb/asm/optimizer/shrink-frames.properties
* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
jar/org/objectweb/asm/optimizer/shrink-annotations.properties
* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
jar/org/objectweb/asm/optimizer/shrink-writer.properties
* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
jar/org/objectweb/asm/optimizer/shrink-signatures.properties

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/**
 * Creates a new JSRInliner. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * { [@link JSRInlinerAdapter(int, MethodVisitor, int, String, String, String, String[])]
 * version.
 *
 * @param mv
 * the <code>MethodVisitor</code> to send the resulting inlined
 * method code to (use <code>null</code> for none).
 * @param access
 * the method's access flags (see [@link Opcodes]). This
 * parameter also indicates if the method is synthetic and/or
 * deprecated.
 * @param name
 * the method's name.
 * @param desc
 * the method's descriptor (see [@link Type]).
 * @param signature
 * the method's signature. May be <tt>null</tt>.
 * @param exceptions
 * the internal names of the method's exception classes (see
 * { [@link Type#getInternalName() getInternalName()]}). May be
 * <tt>null</tt>.
 * @throws IllegalStateException
 * If a subclass calls this constructor.
 */

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/**
 * Creates a new {GeneratorAdapter}. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * {GeneratorAdapter(int, MethodVisitor, int, String, String)}
 * version.
 *
 * @param mv
 * the method visitor to which this adapter delegates calls.
 *
 * @param access
 * the method's access flags (see {Opcodes}).
 *
 * @param name
 * the method's name.
 *
 * @param desc
 * the method's descriptor (see {Type}).
 *
 * @throws IllegalStateException
 * If a subclass calls this constructor.
 */

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* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
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 */
/**
 * Set the { @code TCP_MD5SIG} option on the socket. See { @code linux/tcp.h} for more details.
 * Keys can only be set on, not read to prevent a potential leak, as they are confidential.
 * Allowing them being read would mean anyone with access to the channel could get them.
 */

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* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/io/netty/channel/epoll/EpollRecvByteAllocatorHandle.java
* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/io/netty/channel/epoll/EpollChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/io/netty/channel/epoll/EpollDomainSocketChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/io/netty/channel/epoll/TcpMd5Util.java
* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/io/netty/channel/epoll/EpollRecvByteAllocatorStreamingHandle.java
* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/io/netty/channel/epoll/AbstractEpollServerChannel.java
* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/io/netty/channel/epoll/AbstractEpollStreamChannel.java

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* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/io/netty/channel/epoll/EpollDatagramChannel.java
* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/io/netty/channel/epoll/Epoll.java
* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/io/netty/channel/epoll/package-info.java
* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/io/netty/channel/epoll/EpollSocketChannel.java
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* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/io/netty/channel/epoll/EpollEventLoopGroup.java
* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/io/netty/channel/epoll/EpollChannelOption.java
* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/io/netty/channel/epoll/AbstractEpollChannel.java
* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/io/netty/channel/epoll/NativeDatagramPacketArray.java
* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/io/netty/channel/epoll/EpollEventLoop.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="http://linux.die.net/man/7/tcp">TCP_QUICKACK</a>
 * for more details.
 */

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* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-
jar/netty_epoll_native.c

1.826 babel 2.9.0

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1.827 pcre 8.39 12

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Written by: Philip Hazel
Email local part: ph10
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20181015200546-f715ec2f112d

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1.836 google-uuid 1.1.1

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package RESOURCE

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

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

type commonResult struct{
    gophercloud.Result
}

// GetResult is the response from a Get operation. Call its Extract method
// to interpret it as a RESOURCE.

type GetResult struct {
    commonResult
}

// CreateResult is the response from a Create operation. Call its Extract method
// to interpret it as a RESOURCE.

type CreateResult struct {
    commonResult
}

// DeleteResult is the response from a Delete operation. Call its ExtractErr to
// determine if the request succeeded or failed.

type DeleteResult struct {
    gophercloud.ErrResult
}

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

type UpdateResult struct {
    commonResult
}

// ResourcePage is a single page of RESOURCE results.

type ResourcePage struct {
    pagination.LinkedPageBase
}

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

// NextPageURL extracts the "next" link from the links section of the result.
func (r ResourcePage) NextPageURL() (string, error) {
    var s struct {
        Links struct {
            Next string `json:"next"
            Previous string `json:"previous"
        } `json:"links"
    } err := r.ExtractInto(&s)
    if err != nil {
        return "", err
    }
    return s.Links.Next, err
}
// ExtractResources returns a slice of Resources contained in a single page of
// results.
func ExtractResources(r pagination.Page) ([]Resource, error) {
    var s struct {
        Resources []Resource `json:"resources"
    }
    err := r.(ResourcePage).ExtractInto(&s)
    return s.Resources, err
}

// Extract interprets any commonResult as a Resource.
func (r commonResult) Extract() (*Resource, error) {
    var s struct {
        Resource *Resource `json:"resource"
    }
    err := r.ExtractInto(&s)
    return s.Resource, err
}

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

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

Step 5: Writing the Code
========================

At this point, you should have:

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

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

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

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

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

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

### A Single Bug Fix

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

### Adding a Single Field

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

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

### Adding a Single API Call

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

### Adding a Suite of API Calls

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

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

* https://github.com/gophercloud/gophercloud/pull/584
* https://github.com/gophercloud/gophercloud/pull/586
* https://github.com/gophercloud/gophercloud/pull/587
* https://github.com/gophercloud/gophercloud/pull/594

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

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

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

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

Each Pull Request should contain the following:

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

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

### Unit Tests

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

Please do not use JSON fixtures from the API reference documentation. Please generate your own fixtures using the OpenStack environment you're testing with.

### Acceptance Tests

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

### Documentation

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

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

There are two methods of handling this:

### Create Independent Pull Requests

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

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

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

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

Advantages of this Method:

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

Disadvantages of this Method:

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

### Create a Chain of Pull Requests

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

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

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

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

Advantages of this Method:

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

Disadvantages of this Method:

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

The choice of method is up to you.

---

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

Step 6: Code Review

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

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

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

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

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

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

### Travis-CI

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

### Coveralls

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

### OpenLab

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

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

Request a Code Review

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

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

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

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

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

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

Submitting Changes

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

If a code review requires changes to be submitted, please do not squash your commits. Please only add new commits to the Pull Request. This is to help the code reviewer see only the changes that were made.

It's Never Personal

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

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

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

---

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

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

```go
package testing

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

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

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

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

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

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

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

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

// SecondResourceUpdated is how SecondResource should look after an Update.
var SecondResourceUpdated = resources.Resource{}

// ExpectedResourcesSlice is the slice of resources expected to be returned from ListResult.
var ExpectedResourcesSlice = []resources.Resource{FirstResource, SecondResource}

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

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

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

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

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

// HandleDeleteResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that tests resource deletion.
func HandleDeleteResourceSuccessfully(t *testing.T) {
    th.Mux.HandleFunc("/resources/9fe1d3", func(w http.ResponseWriter, r *http.Request) {
        th.TestMethod(t, r, "DELETE")
        th.TestHeader(t, r, "X-Auth-Token", client.TokenID)

        w.WriteHeader(http.StatusNoContent)
    })
}

// HandleUpdateResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that tests resource update.
func HandleUpdateResourceSuccessfully(t *testing.T) {
    th.Mux.HandleFunc("/resources/9fe1d3", func(w http.ResponseWriter, r *http.Request) {
        th.TestMethod(t, r, "PATCH")
        th.TestHeader(t, r, "X-Auth-Token", client.TokenID)
        th.TestJSONRequest(t, r, UpdateRequest)

        w.WriteHeader(http.StatusOK)
        fmt.Fprintf(w, UpdateResult)
    })
}
package RESOURCE

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

// ListOptsBuilder allows extensions to add additional parameters to
// the List request

type ListOptsBuilder interface {
    ToResourceListQuery() (string, error)
}

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

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

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

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

// CreateOptsBuilder allows extensions to add additional parameters to
// the Create request.
type CreateOptsBuilder interface {
    ToResourceCreateMap() (map[string]interface{}, error)
}
// CreateOpts provides options used to create a RESOURCE.
type CreateOpts struct {
}

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

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

// Delete deletes a RESOURCE.
func Delete(client *gophercloud.ServiceClient, id string) (r DeleteResult) {
    _, r.Err = client.Delete(deleteURL(client, id), nil)
    return
}

// UpdateOptsBuilder allows extensions to add additional parameters to
// the Update request.
type UpdateOptsBuilder interface {
    ToResourceUpdateMap() (map[string]interface{}, error)
}

// UpdateOpts represents parameters to update a RESOURCE.
type UpdateOpts struct {
}

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

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

package testing

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

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

    count := 0
        count++
        actual, err := resources.ExtractResources(page)
        th.AssertNoErr(t, err)
        th.AssertDeepEquals(t, ExpectedResourcesSlice, actual)
        return true, nil
    })
    th.AssertNoErr(t, err)
    th.AssertEquals(t, count, 1)
}

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

    allPages, err := resources.List(client.ServiceClient(), nil).AllPages()
    th.AssertNoErr(t, err)
    actual, err := resources.ExtractResources(allPages)
    th.AssertNoErr(t, err)
    th.AssertEquals(t, count, 1)
func TestGetResource(t *testing.T) {
    th.SetupHTTP()
    defer th.TeardownHTTP()
    HandleGetResourceSuccessfully(t)

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

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

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

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

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

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

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

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

    actual, err := resources.Update(client.ServiceClient(), "9fe1d3", updateOpts).Extract()
    th.AssertNoErr(t, err)
package RESOURCE

import "github.com/gophercloud/gophercloud"

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

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

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

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

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

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Step 4: Acceptance Testing

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

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

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

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

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

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

*/

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

Example to List RESOURCE

Example to Create a RESOURCE

Example to Update a RESOURCE

Example to Delete a RESOURCE

*/

package RESOURCE

Step 7: Congratulations!

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

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

Step 2: Create an Issue

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

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

Reporting a Bug

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

The following issues are good examples for reporting a bug:

* https://github.com/gophercloud/gophercloud/issues/108
* https://github.com/gophercloud/gophercloud/issues/212
* https://github.com/gophercloud/gophercloud/issues/424
* https://github.com/gophercloud/gophercloud/issues/588
* https://github.com/gophercloud/gophercloud/issues/629
* https://github.com/gophercloud/gophercloud/issues/647
Feature Request

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

Feature requests can come in different forms:

### Adding a Feature to Gophercloud Core

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

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

The following issues are examples of core change discussions:

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

### Adding a Missing Field

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

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

The following issues are examples of missing fields:

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

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

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

### Adding a Missing API Call

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

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

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

### Adding a Missing API Suite

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

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

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

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

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

### Adding a Missing OpenStack Project

These kinds of feature additions are large undertakings. Adding support for an entire OpenStack project is something the Gophercloud team very much appreciates, but you should be prepared for several weeks of work and interaction with the Gophercloud team.

An example of how to create an issue for an entire project can be seen here:

* https://github.com/gophercloud/gophercloud/issues/723
With all of the above in mind, proceed to [Step 3](#step-3-code-hunting) to learn about Code Hunting.

**Step 3: Code Hunting**

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

Let's use the following issue as an example: [https://github.com/gophercloud/gophercloud/issues/621](https://github.com/gophercloud/gophercloud/issues/621). In this issue, there's a request being made to add support for `availability_zone_hints` to the `networking/v2/networks` package.

We need to be sure that `availability_zone_hints` is a field which really does exist in the OpenStack Neutron project and it's not a field which was added as
a customization to a single OpenStack cloud.

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

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

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

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

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

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

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

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

Examples of good code hunting can be seen here:

* [https://github.com/gophercloud/gophercloud/issues/539](https://github.com/gophercloud/gophercloud/issues/539)
* [https://github.com/gophercloud/gophercloud/issues/555](https://github.com/gophercloud/gophercloud/issues/555)
* [https://github.com/gophercloud/gophercloud/issues/571](https://github.com/gophercloud/gophercloud/issues/571)
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* [https://github.com/gophercloud/gophercloud/issues/605](https://github.com/gophercloud/gophercloud/issues/605)

Code Hunting Tips

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OpenStack projects differ from one to another. Code is organized in different ways. However, the following tips should be useful across all projects.
* The logic which implements Create and Delete actions is usually either located in the "model" or "controller" portion of the code.

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

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

---

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

Step 1: Read Our Guides

======

There are two introductory guides you should read before proceeding:

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

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

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

1.853 jakarta-inject 2.6.1

1.853.1 Available under license :

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20180916065949-5c77d914dd0b

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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.

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you inform other peers where the object code and Corresponding
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A separable portion of the object code, whose source code is excluded
from the Corresponding Source as a System Library, need not be
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1.864 vim 8.2.1687-1.el7_9.0atomix1
1.864.1 Available under license:
No license file was found, but licenses were detected in source scan.

# SPEC file overview:
# https://docs.fedoraproject.org/en-US/quick-docs/creating-rpm-packages/#con_rpm-spec-file-overview
# Fedora packaging guidelines:
# https://docs.fedoraproject.org/en-US/packaging-guidelines/

Name:
Version:
Release: 0% {?dist}
Summary:

License:
URL:
Source0:
BuildRequires:
Requires:

%description

%prep
%setup -q

%build
%configure
make %{?_smp_mflags}

%install
%make_install

%files
%doc
%license

%changelog

Found in path(s):
* /opt/cola/permits/1157342134_1620877316.1/0/vim-vim-8-2-1687-1-el7-9-0atomix1-zip/vim-vim-8.2.1687-1.el7_9.0atomix1/spec-template.new
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cp runtime/doc/uganda.txt LICENSE

Found in path(s):
* /opt/cola/permits/1157342134_1620877316.1/0/vim-vim-8-2-1687-1-el7-9-0atomix1-zip/vim-vim-8.2.1687-1.el7_9.0atomix1/vim.spec

**1.865 govmomi v0.27.2**

**1.865.1 Available under license:**

```
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*/

package license

import (
    "context"
    "flag"

    "github.com/vmware/govmomi/govc/cli"
    "github.com/vmware/govmomi/govc/flags"
    "github.com/vmware/govmomi/license"
    "github.com/vmware/govmomi/vim25/types"
)

type assign struct {
    *flags.ClientFlag
    *flags.OutputFlag
    *flags.HostSystemFlag
    *flags.ClusterFlag

    name   string
    remove bool
}

func init() {
    cli.Register("license.assign", &assign{ })
}

func (cmd *assign) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)
    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)
    cmd.HostSystemFlag, ctx = flags.NewClusterFlag(ctx)
    cmd.HostSystemFlag.Register(ctx, f)
    cmd.ClusterFlag, ctx = flags.NewClusterFlag(ctx)
    cmd.ClusterFlag.Register(ctx, f)
}
cmd.ClusterFlag.Register(ctx, f)

f.StringVar(&cmd.name, "name", ",", "Display name")
f.BoolVar(&cmd.remove, "remove", false, "Remove assignment")
}

func (cmd *assign) Process(ctx context.Context) error {
if err := cmd.ClientFlag.Process(ctx); err != nil {
    return err
}
if err := cmd.OutputFlag.Process(ctx); err != nil {
    return err
}
if err := cmd.HostSystemFlag.Process(ctx); err != nil {
    return err
}
return cmd.ClusterFlag.Process(ctx)
}

func (cmd *assign) Usage() string {
return "KEY"
}

func (cmd *assign) Description() string {
return `Assign licenses to HOST or CLUSTER.

Examples:
govc license.assign $VCSA_LICENSE_KEY
govc license.assign -host a_host.example.com $ESX_LICENSE_KEY
govc license.assign -cluster a_cluster $VSAN_LICENSE_KEY`
}

func (cmd *assign) Run(ctx context.Context, f *flag.FlagSet) error {
if f.NArg() != 1 {
    return flag.ErrHelp
}
key := f.Arg(0)

c, err := cmd.Client()
if err != nil {
    return err
}

m, err := license.NewManager(c).AssignmentManager(ctx)
if err != nil {
    return err
}
host, err := cmd.HostSystemIfSpecified()
if err != nil {
    return err
}

var id string

if host == nil {
    cluster, cerr := cmd.ClusterIfSpecified()
    if cerr != nil {
        return cerr
    }
    if cluster == nil {
        // Default to vCenter UUID
        id = client.ServiceContent.About.InstanceUuid
    } else {
        id = cluster.Reference().Value
    }
} else {
    id = host.Reference().Value
}

if cmd.remove {
    return m.Remove(ctx, id)
}

info, err := m.Update(ctx, id, key, cmd.name)
if err != nil {
    return err
}

return cmd.WriteResult(licenseOutput([]types.LicenseManagerLicenseInfo{*info}))

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*/
package simulator

import (
    "context"
    "reflect"
    "testing"

    "github.com/vmware/govmomi"
    "github.com/vmware/govmomi/find"
    "github.com/vmware/govmomi/license"
)

func TestLicenseManagerVPX(t *testing.T) {
    ctx := context.Background()
    m := VPX()
    defer m.Remove()

    err := m.Create()
    if err != nil {
        t.Fatal(err)
    }

    s := m.Service.NewServer()
    defer s.Close()

    c, err := govmomi.NewClient(ctx, s.URL, true)
    if err != nil {
        t.Fatal(err)
    }

    lm := license.NewManager(c.Client)
    am, err := lm.AssignmentManager(ctx)
    if err != nil {
        t.Fatal(err)
    }

    la, err := am.QueryAssigned(ctx, "enoent")
    if err != nil {
        t.Fatal(err)
    }

    if len(la) != 0 {
        t.Errorf("unexpected license")
    }
}

='
finder := find.NewFinder(c.Client, false)
hosts, err := finder.HostSystemList(ctx, "/...")
if err != nil {
    t.Fatal(err)
}

host := hosts[0].Reference().Value

for _, name := range []string{"", host, vcid} {
    la, err = am.QueryAssigned(ctx, name)
    if err != nil {
        t.Fatal(err)
    }
    if len(la) != 1 {
        t.Fatal("no licenses")
    }
    if !reflect.DeepEqual(la[0].AssignedLicense, EvalLicense) {
        t.Fatal("invalid license")
    }
}

func TestLicenseManagerESX(t *testing.T) {
    ctx := context.Background()
m := ESX()
    defer m.Remove()

    err := m.Create()
    if err != nil {
        t.Fatal(err)
    }

    s := m.Service.NewServer()
    defer s.Close()

    c, err := govmomi.NewClient(ctx, s.URL, true)
    if err != nil {
        t.Fatal(err)
    }

    lm := license.NewManager(c.Client)
    _, err = lm.AssignmentManager(ctx)
    if err == nil {
        t.Fatal("expected error")
    }
}

la, err := lm.List(ctx)
if err != nil {
    t.Fatal(err)
}

if len(la) != 1 {
    t.Fatal("no licenses")
}

if !reflect.DeepEqual(la[0], EvalLicense) {
    t.Fatal("invalid license")
}

func TestAddRemoveLicense(t *testing.T) {
    ctx := context.Background()
    m := ESX()
    defer m.Remove()

    err := m.Create()
    if err != nil {
        t.Fatal(err)
    }

    s := m.Service.NewServer()
    defer s.Close()

    c, err := govmomi.NewClient(ctx, s.URL, true)
    if err != nil {
        t.Fatal(err)
    }

    lm := license.NewManager(c.Client)
    key := "00000-00000-00000-00000-11111"
    labels := map[string]string{"key": "value"}

    info, err := lm.Add(ctx, key, labels)
    if err != nil {
        t.Fatal(err)
    }

    if info.LicenseKey != key {
        t.Fatalf("expect info.LicenseKey equal to %q; got %q", key, info.LicenseKey)
    }
}
if len(info.Labels) != len(labels) {
    t.Fatalf("expect len(info.Labels) equal to %d; got %d",
        len(labels), len(info.Labels))
}

if info.Labels[0].Key != "key" || info.Labels[0].Value != "value" {
    t.Fatalf("expect label to be {key:value}; got {\%s:\%s}",
        info.Labels[0].Key, info.Labels[0].Value)
}

la, err := lm.List(ctx)
if err != nil {
    t.Fatal(err)
}

if len(la) != 2 {
    t.Fatal("no licenses")
}

if la[1].LicenseKey != key {
    t.Fatalf("expect info.LicenseKey equal to %q; got %q",
        key, la[1].LicenseKey)
}

if len(la[1].Labels) != len(labels) {
    t.Fatalf("expect len(info.Labels) equal to %d; got %d",
        len(labels), len(la[1].Labels))
}

if la[1].Labels[0].Key != "key" || la[1].Labels[0].Value != "value" {
    t.Fatalf("expect label to be {key:value}; got {\%s:\%s}",
        la[1].Labels[0].Key, la[1].Labels[0].Value)
}

err = lm.Remove(ctx, key)
if err != nil {
    t.Fatal(err)
}

la, err = lm.List(ctx)
if err != nil {
    t.Fatal(err)
}

if len(la) != 1 {
    t.Fatal("no licenses")
}

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*/

package license

import (
    "context"
    "flag"
    "github.com/vmware/govmomi/govc/cli"
    "github.com/vmware/govmomi/govc/flags"
    "github.com/vmware/govmomi/license"
)

var featureUsage = "List licenses with given feature"

type ls struct {
    *flags.ClientFlag
    *flags.OutputFlag

    feature string
}

func init() {
    cli.Register("license.ls", &ls{ })
}

func (cmd *ls) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)

    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)

    f.StringVar(&cmd.feature, "feature", ",", featureUsage)
func (cmd *ls) Process(ctx context.Context) error {
if err := cmd.ClientFlag.Process(ctx); err != nil {
    return err
}
if err := cmd.OutputFlag.Process(ctx); err != nil {
    return err
}
return nil
}

func (cmd *ls) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }
    m := license.NewManager(client)
    result, err := m.List(ctx)
    if err != nil {
        return err
    }
    if cmd.feature != "" {
        result = result.WithFeature(cmd.feature)
    }
    return cmd.WriteResult(licenseOutput(result))
}

/*
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*/

package license
import (
    "context"
    "flag"
    "fmt"
    "github.com/vmware/govmomi/govc/cli"
    "github.com/vmware/govmomi/govc/flags"
    "github.com/vmware/govmomi/license"
    "github.com/vmware/govmomi/vim25/types"
)

type add struct {
    *flags.ClientFlag
    *flags.OutputFlag
}

func init() {
    cli.Register("license.add", &add{})
}

func (cmd *add) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)

    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)
}

func (cmd *add) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }

    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }
    return nil
}

func (cmd *add) Usage() string {
    return "KEY..."
}

func (cmd *add) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }
m := license.NewManager(client)

// From the vSphere 5.5 documentation:
//
// To specify the edition type and any optional functions, use
// updateLicense for ESX Server and addLicense follow by
// LicenseAssignmentManager.updateAssignedLicense for VirtualCenter.
//
var addFunc func(ctx context.Context, key string, labels map[string]string) (types.LicenseManagerLicenseInfo, error)
switch t := client.ServiceContent.About.ApiType; t {
    case "HostAgent":
        addFunc = m.Update
    case "VirtualCenter":
        addFunc = m.Add
    default:
        return fmt.Errorf("unsupported ApiType: %s", t)
}

result := make(licenseOutput, 0)
for _, v := range f.Args() {
    license, err := addFunc(ctx, v, nil)
    if err != nil {
        return err
    }
    result = append(result, license)
}
return cmd.WriteResult(licenseOutput(result))

#!/usr/bin/env bats
load test_helper

# These tests should only run against a server running an evaluation license.
verify_evaluation() {
    if [ "$govc license.ls -json | jq -r .[0].EditionKey" != "eval" ]; then
        skip "requires evaluation license"
    fi
}

get_key() {
    jq ".[1] | select(.LicenseKey == \"$1\")"
}

get_property() {
    jq -r ".Properties[1] | select(.Key == \"$1\") .Value"
get_label() {
  govc license.ls -json | jq -r ".[] | select(.LicenseKey == "$1") | .Labels[] | select(.Key == "$2") | .Value"
}

get_nlabel() {
  govc license.ls -json | jq ".[] | select(.LicenseKey == "$1") | .Labels[].Key" | wc -l
}

@test "license.add" {
  esx_env

  verify_evaluation

  assert_success

  # Expect to see an entry for both the first and the second key
  assert_equal "License is not valid for this product" "$(get_key 00000-00000-00000-00000-00000-00000-00000-00000-00000-00000-00000-00000-00000-00000-00000-00000-00001 <<<${output} | get_property diagnostic)"
  assert_equal "License is not valid for this product" "$(get_key 00000-00000-00000-00000-00000-00000-00000-00000-00000-00000-00000-00000-00000-00000-00000-00000-00002 <<<${output} | get_property diagnostic)"
}

@test "license.remove" {
  esx_env

  verify_evaluation

  run govc license.remove -json 00000-00000-00000-00000-00000-00000-00000-00000-00000-00000-00000-00000-00000-00000-00000-00000-00001
  assert_success
}

@test "license.ls" {
  vcsim_env

  verify_evaluation

  run govc license.ls -json
  assert_success

  # Expect the test instance to run in evaluation mode
  assert_equal "Evaluation Mode" "$(get_key 00000-00000-00000-00000-00000-00000-00000-00000-00000-00000-00000-00000-00000-00000-00000-00000-00000 <<<${output} | jq -r ".Name")"
}

@test "license.decode" {
  esx_env
verify_evaluation

key=00000-00000-00000-00000-00000
assert_equal "eval" $(govc license.decode $key | grep $key | awk '{print $2}')
}

@test "license.label.set" {
    vcsim_env
    key=00000-00000-00000-00000-00000

    assert_equal 0 "$(get_nlabel $key)"
    assert_equal "" "$(get_label $key foo)"

    run govc license.label.set $key foo bar
    assert_success

    assert_equal 1 "$(get_nlabel $key)"
    assert_equal bar "$(get_label $key foo)"

    run govc license.label.set $key biz baz
    assert_success
    run govc license.label.set $key foo bar2
    assert_success

    assert_equal 2 "$(get_nlabel $key)"
    assert_equal bar2 "$(get_label $key foo)"

    run govc license.label.set $key foo ""
    assert_success

    assert_equal 1 "$(get_nlabel $key)"
    assert_equal "" "$(get_label $key foo)"
}
/*

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*/

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package simulator

import (
    "github.com/vmware/govmomi/vim25/methods"
    "github.com/vmware/govmomi/vim25/mo"
    "github.com/vmware/govmomi/vim25/soap"
    "github.com/vmware/govmomi/vim25/types"
)

// EvalLicense is the default license
var EvalLicense = types.LicenseManagerLicenseInfo{
    LicenseKey: "00000-00000-00000-00000-00000",
    EditionKey: "eval",
    Name:      "Evaluation Mode",
    Properties: []types.KeyAnyValue{
        {Key: "feature",
         Value: types.KeyValue{
             Key:   "serialuri:2",
             Value: "Remote virtual Serial Port Concentrator",
         }},
        {Key: "feature",
         Value: types.KeyValue{
             Key:   "dvs",
             Value: "vSphere Distributed Switch",
         }},
    }
}
type LicenseManager struct {
    mo.LicenseManager
}

func (m *LicenseManager) init(r *Registry) {
    m.Licenses = []types.LicenseManagerLicenseInfo{EvalLicense}
    if r.IsVPX() {
        am := Map.Put(&LicenseAssignmentManager{}).Reference()
        m.LicenseAssignmentManager = &am
    }
}

func (m *LicenseManager) AddLicense(req *types.AddLicense) soap.HasFault {
    body := &methods.AddLicenseBody{
        Res: &types.AddLicenseResponse{},
    }
    for _, license := range m.Licenses {
        if license.LicenseKey == req.LicenseKey {
            body.Res.Returnval = licenseInfo(license.LicenseKey, license.Labels)
            return body
        }
    }
    m.Licenses = append(m.Licenses, types.LicenseManagerLicenseInfo{
        LicenseKey: req.LicenseKey,
        Labels: req.Labels,
    })
    body.Res.Returnval = licenseInfo(req.LicenseKey, req.Labels)
    return body
}

func (m *LicenseManager) RemoveLicense(req *types.RemoveLicense) soap.HasFault {
    body := &methods.RemoveLicenseBody{
        Res: &types.RemoveLicenseResponse{},
    }
    for i, license := range m.Licenses {
        if req.LicenseKey == license.LicenseKey {
            m.Licenses = append(m.Licenses[:i], m.Licenses[i+1:...])
            return body
        }
    }
    return body
}
func (m *LicenseManager) UpdateLicenseLabel(req *types.UpdateLicenseLabel) soap.HasFault {
    body := &methods.UpdateLicenseLabelBody{

    for i := range m.Licenses {
        license := &m.Licenses[i]

        if req-LicenseKey != license.LicenseKey {
            continue
        }

        body.Res = new(types.UpdateLicenseLabelResponse)

        for j := range license.Labels {
            label := &license.Labels[j]

            if label.Key == req.LabelKey {
                if req.LabelValue == "" {
                    license.Labels = append(license.Labels[:i], license.Labels[i+1:])...
                } else {
                    label.Value = req.LabelValue
                }
            }
        }

        license.Labels = append(license.Labels, types.KeyValue{
            Key:   req.LabelKey,
            Value: req.LabelValue,
        })

        return body
    }

    body.Fault_ = Fault("", &types.InvalidArgument{InvalidProperty: "licenseKey"})
    return body
}

type LicenseAssignmentManager struct {
    mo.LicenseAssignmentManager
}

func (m *LicenseAssignmentManager) QueryAssignedLicenses(req *types.QueryAssignedLicenses) soap.HasFault {
    body := &methods.QueryAssignedLicensesBody{
        Res: &types.QueryAssignedLicensesResponse{},
    }
}
// EntityId can be a HostSystem or the vCenter InstanceUuid
if req.EntityId != "" {
    if req.EntityId != Map.content().About.InstanceUuid {
        id := types.ManagedObjectReference{
            Type: "HostSystem",
            Value: req.EntityId,
        }

        if Map.Get(id) == nil {
            return body
        }
    }
}

body.Res.Returnval = []types.LicenseAssignmentManagerLicenseAssignment{
    {
        EntityId: req.EntityId,
        AssignedLicense: EvalLicense,
    },
}

return body
}

func licenseInfo(key string, labels []types.KeyValue) types.LicenseManagerLicenseInfo {
    info := EvalLicense

    info-LicenseKey = key
    info.Labels = labels

    return info
}

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*/
package license

import (
    "context"
    "flag"
    "github.com/vmware/govmomi/govc/cli"
    "github.com/vmware/govmomi/govc/flags"
    "github.com/vmware/govmomi/license"
    "github.com/vmware/govmomi/vim25/methods"
    "github.com/vmware/govmomi/vim25/types"
)

type label struct {
    *flags.ClientFlag
}

func init() {
    cli.Register("license.label.set", &label{})
}

func (cmd *label) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)
}

func (cmd *label) Usage() string {
    return "LICENSE KEY VAL"
}

func (cmd *label) Description() string {
    return `Set license labels.

Examples:
govic license.label.set 00000-00000-00000-00000-00000 team cnx # add/set label
govic license.label.set 00000-00000-00000-00000-00000 team "" # remove label
govic license.ls -json | jq ".[] | select(.Labels[].Key == "team") | .LicenseKey"
`}

func (cmd *label) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }

    m := license.NewManager(client)

    if f.NArg() != 3 {

Open Source Used In ND-NODE v2.1.2b 9482
return flag.ErrHelp
}

req := types.UpdateLicenseLabel{
This:       m.Reference(),
LicenseKey: f.Arg(0),
LabelKey:   f.Arg(1),
LabelValue: f.Arg(2),
}

_, err = methods.UpdateLicenseLabel(ctx, m.Client(), &req)
return err
}

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*/

package license

import (
    "context"
    "flag"

    "github.com/vmware/govmomi/govc/cli"
    "github.com/vmware/govmomi/govc/flags"
    "github.com/vmware/govmomi/license"
)

type decode struct {
    *flags.ClientFlag
    *flags.OutputFlag

    feature string
}

func init() {
    cli.Register("license.decode", &decode{})
}

func (cmd *decode) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)

    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)

    f.StringVar(&cmd.feature, "feature", "", featureUsage)
}

func (cmd *decode) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }

    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }

    return nil
func (cmd *decode) Usage() string {
    return "$KEY..."
}

func (cmd *decode) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }

    var result license.InfoList
    m := license.NewManager(client)
    for _, v := range f.Args() {
        license, err := m.Decode(ctx, v)
        if err != nil {
            return err
        }
        result = append(result, license)
    }

    if cmd.feature != "" {
        result = result.WithFeature(cmd.feature)
    }

    return cmd.WriteResult(licenseOutput(result))
}

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package license

import (
    "context"
    "strconv"
    "strings"

    "github.com/vmware/govmomi/object"
    "github.com/vmware/govmomi/vim25"
    "github.com/vmware/govmomi/vim25/methods"
    "github.com/vmware/govmomi/vim25/mo"
    "github.com/vmware/govmomi/vim25/types"
)

type Manager struct {
    object.Common
}

func NewManager(c *vim25.Client) *Manager {
    m := Manager{
        object.NewCommon(c, *c.ServiceContent.LicenseManager),
    }

    return &m
}

func mapToKeyValueSlice(m map[string]string) []types.KeyValue {
    var r []types.KeyValue
    for k, v := range m {
        r = append(r, types.KeyValue{Key: k, Value: v})
    }
    return r
}
func (m Manager) Add(ctx context.Context, key string, labels map[string]string) (types.LicenseManagerLicenseInfo, error) {
    req := types.AddLicense{
        This:       m.Reference(),
        LicenseKey: key,
        Labels:     mapToKeySlice(labels),
    }

    res, err := methods.AddLicense(ctx, m.Client(), &req)
    if err != nil {
        return types.LicenseManagerLicenseInfo{}, err
    }

    return res.Returnval, nil
}

func (m Manager) Decode(ctx context.Context, key string) (types.LicenseManagerLicenseInfo, error) {
    req := types.DecodeLicense{
        This:       m.Reference(),
        LicenseKey: key,
    }

    res, err := methods.DecodeLicense(ctx, m.Client(), &req)
    if err != nil {
        return types.LicenseManagerLicenseInfo{}, err
    }

    return res.Returnval, nil
}

func (m Manager) Remove(ctx context.Context, key string) error {
    req := types.RemoveLicense{
        This:       m.Reference(),
        LicenseKey: key,
    }

    _, err := methods.RemoveLicense(ctx, m.Client(), &req)
    return err
}

func (m Manager) Update(ctx context.Context, key string, labels map[string]string) (types.LicenseManagerLicenseInfo, error) {
    req := types.UpdateLicense{
        This:       m.Reference(),
        LicenseKey: key,
        Labels:     mapToKeySlice(labels),
    }

    res, err := methods.UpdateLicense(ctx, m.Client(), &req)
    if err != nil {
        return types.LicenseManagerLicenseInfo{}, err
    }

    return res.Returnval, nil
}
Labels: mapToKeyValuelSlice(labels),

res, err := methods.UpdateLicense(ctx, m.Client(), &req)
if err != nil {
    return types.LicenseManagerLicenseInfo{}, err
}

return res.Returnval, nil

func (m Manager) List(ctx context.Context) (InfoList, error) {
    var mlm mo.LicenseManager

    err := m.Properties(ctx, m.Reference(), []string{"licenses"}, &mlm)
    if err != nil {
        return nil, err
    }

    return InfoList(mlm.Licenses), nil
}

func (m Manager) AssignmentManager(ctx context.Context) (*AssignmentManager, error) {
    var mlm mo.LicenseManager

    err := m.Properties(ctx, m.Reference(), []string{"licenseAssignmentManager"}, &mlm)
    if err != nil {
        return nil, err
    }

    if mlm.LicenseAssignmentManager == nil {
        return nil, object.ErrNotSupported
    }

    am := AssignmentManager{
        object.NewCommon(m.Client(), *mlm.LicenseAssignmentManager),
    }

    return &am, nil
}

type licenseFeature struct {
    name  string
    level int
}

func parseLicenseFeature(feature string) *licenseFeature {
    If := new(licenseFeature)
f := strings.Split(feature, ":")

lf.name = f[0]

if len(f) > 1 {
    var err error
    lf.level, err = strconv.Atoi(f[1])
    if err != nil {
        lf.name = feature
    }
}

return lf

func HasFeature(license types.LicenseManagerLicenseInfo, key string) bool {
    feature := parseLicenseFeature(key)

    for _, p := range license.Properties {
        if p.Key != "feature" {
            continue
        }

        kv, ok := p.Value.(types.KeyValue)
        if !ok {
            continue
        }

        lf := parseLicenseFeature(kv.Key)

        if lf.name == feature.name && lf.level >= feature.level {
            return true
        }
    }

    return false
}

// InfoList provides helper methods for []types.LicenseManagerLicenseInfo
type InfoList []types.LicenseManagerLicenseInfo

func (l InfoList) WithFeature(key string) InfoList {
    var result InfoList
    for _, license := range l {
        if HasFeature(license, key) {

        }
    }

    return result
}
result = append(result, license)
}
}

return result
}

# People who can (and typically have) contributed to this repository.
#
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#

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*/

package license
import (  
"context"  
"flag"  
"fmt"  
"io"  
"os"  
"text/tabwriter"
)

"github.com/vmware/govmomi/govc/cli"  
"github.com/vmware/govmomi/govc/flags"  
"github.com/vmware/govmomi/license"  
"github.com/vmware/govmomi/vim25/types"
)

type assigned struct {  
*flags.ClientFlag  
*flags.OutputFlag
  
id string
}

func init() {  
cli.Register("license.assigned.ls", &assigned{})  
}

func (cmd *assigned) Register(ctx context.Context, f *flag.FlagSet) {  
cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)  
cmd.ClientFlag.Register(ctx, f)  
  
  cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)  
  cmd.OutputFlag.Register(ctx, f)  

  f.StringVar(&cmd.id, "id", ", "Entity ID")  
}

func (cmd *assigned) Process(ctx context.Context) error {  
if err := cmd.ClientFlag.Process(ctx); err != nil {  
return err  
  
if err := cmd.OutputFlag.Process(ctx); err != nil {  
return err  
  
return nil  
}

func (cmd *assigned) Run(ctx context.Context, f *flag.FlagSet) error {  
client, err := cmd.Client()  

if err != nil {
    return err
}

m, err := license.NewManager(client).AssignmentManager(ctx)
if err != nil {
    return err
}

assigned, err := m.QueryAssigned(ctx, cmd.id)
if err != nil {
    return err
}

return cmd.WriteResult(assignedOutput(assigned))

type assignedOutput [][]types.LicenseAssignment

func (res assignedOutput) Write(w io.Writer) error {
    tw := tabwriter.NewWriter(os.Stdout, 4, 0, 2, ' ', 0)
    fmt.Fprintf(tw, "Id:	Scope:	Name:	License:
")
    for _, v := range res {
        fmt.Fprintf(tw, "%s", v.EntityId)
        fmt.Fprintf(tw, "%s", v.Scope)
        fmt.Fprintf(tw, "%s", v.EntityDisplayName)
        fmt.Fprintf(tw, "%s", v.AssignedLicense.LicenseKey)
        fmt.Fprintf(tw, "\n")
    }
    return tw.Flush()
}
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*/

package license
import (
    "context"
    "flag"
    "fmt"
    "github.com/vmware/govmomi/govc/cli"
    "github.com/vmware/govmomi/govc/flags"
    "github.com/vmware/govmomi/license"
)

type remove struct {
    *flags.ClientFlag
    *flags.OutputFlag
}

func init() {
    cli.Register("license.remove", &remove{ })
}

func (cmd *remove) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)
    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)
}

func (cmd *remove) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }
    return nil
}

func (cmd *remove) Usage() string {
    return "KEY..."
}

func (cmd *remove) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }
    if err := nil {
        return nil
    }
}
m := license.NewManager(client)
for _, v := range f.Args() {
    err = m.Remove(ctx, v)
    if err != nil {
        return err
    }
}

list, err := m.List(ctx)
if err != nil {
    return err
}

for _, v := range f.Args() {
    for _, l := range list {
        if v == l.LicenseKey {
            return fmt.Errorf("cannot remove license %q", v)
        }
    }
}
return nil

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*/

package license

import (
    "fmt"
    "io"
    "os"
    "text/tabwriter"

    "github.com/vmware/govmomi/vim25/types"
type licenseOutput []types.LicenseManagerLicenseInfo

func (res licenseOutput) Write(w io.Writer) error {
    tw := tabwriter.NewWriter(os.Stdout, 4, 0, 2, ' ', 0)
    fmt.Fprintf(tw, "Key:	Edition:	Used:	Total:
")
    for _, v := range res {
        fmt.Fprintf(tw, "%s\t", v.LicenseKey)
        fmt.Fprintf(tw, "%s\t", v.EditionKey)
        fmt.Fprintf(tw, "%d\t", v.Used)
        fmt.Fprintf(tw, "%d\t", v.Total)
        fmt.Fprintf(tw, "\n")
    }
    return tw.Flush()
}

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*/

package license

import (  
  "context"

  "github.com/vmware/govmomi/object"

  "context"

  "go"
type AssignmentManager struct {
    object.Common
}

func (m AssignmentManager) QueryAssigned(ctx context.Context, id string) ([]types.LicenseAssignmentManagerLicenseAssignment, error) {
    req := types.QueryAssignedLicenses{
        This:     m.Reference(),
        EntityId: id,
    }

    res, err := methods.QueryAssignedLicenses(ctx, m.Client(), &req)
    if err != nil {
        return nil, err
    }

    return res.Returnval, nil
}

func (m AssignmentManager) Remove(ctx context.Context, id string) error {
    req := types.RemoveAssignedLicense{
        This:     m.Reference(),
        EntityId: id,
    }

    _, err := methods.RemoveAssignedLicense(ctx, m.Client(), &req)

    return err
}

func (m AssignmentManager) Update(ctx context.Context, id string, key string, name string) (*types.LicenseManagerLicenseInfo, error) {
    req := types.UpdateAssignedLicense{
        This:              m.Reference(),
        Entity:            id,
        LicenseKey:        key,
        EntityDisplayName: name,
    }

    res, err := methods.UpdateAssignedLicense(ctx, m.Client(), &req)
    if err != nil {
        return nil, err
    }

    return res, err
}
1.866 klauspost-compress 1.11.3

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1.869 gdb 7.6.1 80.el7

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@var{one line to give the program's name and a brief idea of what it does.}
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If the program does terminal interaction, make it output a short
notice like this when it starts in an interactive mode:

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@var{program} Copyright (C) @var{year} @var{name of author}
This program comes with ABSOLUTELY NO WARRANTY; for details type @samp{show w}. This is free software, and you are welcome to redistribute it under certain conditions; type @samp{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, your program's commands might be different; for a GUI interface, you would use an ``about box''.

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@end enumerate

@ifex
@end iftex

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1.874 junit 4.12

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    src/preproc/grn/main.cpp

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    src/devices/xditview/DESC.in
    src/devices/xditview/Dvi.c
    src/devices/xditview/Dvi.h
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. The -mdoc macro set, using the BSD license.

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tmac/doc-common
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* /opt/cola/permits/1102648010_1603824244.11/0/zookeeper-3-6-2-sources-jar/org/apache/zookeeper/cli/GetAllChildrenNumberCommand.java
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jar/org/apache/zookeeper/common/PathUtils.java
* /opt/cola/permits/1102648010_1603824244.11/0/zookeeper-3-6-2-sources-
jar/org/apache/zookeeper/common/PathTrie.java

1.893 kubernetes-apimachinery 0.0.0-
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/*
 ** CAPI3REF: Configuration Options
 ** KEYWORDS: {configuration option}
These constants are the available integer configuration options that can be passed as the first argument to the `sqlite3_config()` interface.

New configuration options may be added in future releases of SQLite. Existing configuration options might be discontinued. Applications should check the return code from `sqlite3_config()` to make sure that the call worked. The `sqlite3_config()` interface will return a non-zero error code if a discontinued or unsupported configuration option is invoked.

** `<dl>`

- **[SQLITE_CONFIG_SINGLETHREAD]**
  - `SQLITE_CONFIG_SINGLETHREAD`
  - This option sets the threading mode to Single-thread. In other words, it disables all mutexing and puts SQLite into a mode where it can only be used by a single thread. If SQLite is compiled with the `SQLITE_THREADSAFE | SQLITE_THREADSAFE=0` compile-time option then it is not possible to change the threading mode from its default value of Single-thread and so `sqlite3_config()` will return `SQLITE_ERROR` if called with the `SQLITE_CONFIG_SINGLETHREAD` configuration option.

- **[SQLITE_CONFIG_MULTITHREAD]**
  - `SQLITE_CONFIG_MULTITHREAD`
  - This option sets the threading mode to Multi-thread. In other words, it disables mutexing on database connection and prepared statement objects. The application is responsible for serializing access to database connections and prepared statements. But other mutexes are enabled so that SQLite will be safe to use in a multi-threaded environment as long as no two threads attempt to use the same database connection at the same time. If SQLite is compiled with the `SQLITE_THREADSAFE | SQLITE_THREADSAFE=0` compile-time option then it is not possible to set the Multi-thread threading mode and `sqlite3_config()` will return `SQLITE_ERROR` if called with the `SQLITE_CONFIG_MULTITHREAD` configuration option.

- **[SQLITE_CONFIG_SERIALIZED]**
  - `SQLITE_CONFIG_SERIALIZED`
  - This option sets the threading mode to Serialized. In other words, this option enables all mutexes including the recursive mutexes on database connection and prepared statement objects. In this mode (which is the default when SQLite is compiled with `SQLITE_THREADSAFE=1`) the SQLite library will itself serialize access to database connections and prepared statements so that the application is free to use the same database connection or the same prepared statement in different threads at the same time. If SQLite is compiled with
** the [SQLITE_THREADSAFE | SQLITE_THREADSAFE=0] compile-time option then
** it is not possible to set the Serialized [threading mode] and
** [sqlite3_config()] will return [SQLITE_ERROR] if called with the
** SQLITE_CONFIG_SERIALIZED configuration option.</dd>

**

** [[SQLITE_CONFIG_MALLOC]] <dt>SQLITE_CONFIG_MALLOC</dt>
** <dd> ^(The SQLITE_CONFIG_MALLOC option takes a single argument which is
** a pointer to an instance of the [sqlite3_mem_methods] structure.
** The argument specifies
** alternative low-level memory allocation routines to be used in place of
** the memory allocation routines built into SQLite.)^ ^SQLite makes
** its own private copy of the content of the [sqlite3_mem_methods] structure
** before the [sqlite3_config()] call returns. </dd>

**

** [[SQLITE_CONFIG_GETMALLOC]] <dt>SQLITE_CONFIG_GETMALLOC</dt>
** <dd> ^(The SQLITE_CONFIG_GETMALLOC option takes a single argument which
** is a pointer to an instance of the [sqlite3_mem_methods] structure.
** The [sqlite3_mem_methods]
** structure is filled with the currently defined memory allocation routines.)^ ^This option can be used to overload the default memory allocation
** routines with a wrapper that simulations memory allocation failure or
** tracks memory usage, for example. </dd>

**

** [[SQLITE_CONFIG_SMALL_MALLOC]] <dt>SQLITE_CONFIG_SMALL_MALLOC</dt>
** <dd> ^The SQLITE_CONFIG_SMALL_MALLOC option takes single argument of
** type int, interpreted as a boolean, which if true provides a hint to
** SQLite that it should avoid large memory allocations if possible.
** SQLite will run faster if it is free to make large memory allocations,
** but some application might prefer to run slower in exchange for
** guarantees about memory fragmentation that are possible if large
** allocations are avoided. This hint is normally off.
** </dd>

**

** [[SQLITE_CONFIG_MEMSTATUS]] <dt>SQLITE_CONFIG_MEMSTATUS</dt>
** <dd> ^(The SQLITE_CONFIG_MEMSTATUS option takes single argument of type int,
** interpreted as a boolean, which enables or disables the collection of
** memory allocation statistics. ^(When memory allocation statistics are
** disabled, the following SQLite interfaces become non-operational:
** <ul>
**   <li> [sqlite3_hard_heap_limit64()]
**   <li> [sqlite3_memory_used()]
**   <li> [sqlite3_memory_highwater()]
**   <li> [sqlite3_soft_heap_limit64()]
**   <li> [sqlite3_status64()]
** </ul>)^ ^Memory allocation statistics are enabled by default unless SQLite is
** compiled with [SQLITE_DEFAULT_MEMSTATUS]=0 in which case memory
** allocation statistics are disabled by default.
** [[SQLITE_CONFIG_SCRATCH]] <dt>SQLITE_CONFIG_SCRATCH</dt>**
** <dd> The SQLITE_CONFIG_SCRATCH option is no longer used.**
** </dd>**

** [[SQLITE_CONFIG_PAGECACHE]] <dt>SQLITE_CONFIG_PAGECACHE</dt>**
** <dd> ^The SQLITE_CONFIG_PAGECACHE option specifies a memory pool**
** that SQLite can use for the database page cache with the default page**
** cache implementation.**
** This configuration option is a no-op if an application-defined page**
** cache implementation is loaded using the [SQLITE_CONFIG_PCACHE2].**
** ^There are three arguments to SQLITE_CONFIG_PAGECACHE: A pointer to**
** 8-byte aligned memory (pMem), the size of each page cache line (sz),**
** and the number of cache lines (N).**
** The sz argument should be the size of the largest database page**
** (a power of two between 512 and 65536) plus some extra bytes for each**
** page header. ^The number of extra bytes needed by the page header**
** can be determined using [SQLITE_CONFIG_PCACHE_HDRSZ].**
** ^It is harmless, apart from the wasted memory,**
** for the sz parameter to be larger than necessary. The pMem**
** argument must be either a NULL pointer or a pointer to an 8-byte**
** aligned block of memory of at least sz*N bytes, otherwise**
** subsequent behavior is undefined.**
** ^When pMem is not NULL, SQLite will strive to use the memory provided**
** to satisfy page cache needs, falling back to [sqlite3_malloc] if**
** a page cache line is larger than sz bytes or if all of the pMem buffer**
** is exhausted.**
** ^If pMem is NULL and N is non-zero, then each database connection**
** does an initial bulk allocation for page cache memory**
** from [sqlite3_malloc] sufficient for N cache lines if N is positive or**
** of -1024*N bytes if N is negative. ^If additional**
** page cache memory is needed beyond what is provided by the initial**
** allocation, then SQLite goes to [sqlite3_malloc] separately for each**
** additional cache line. </dd>**

** [[SQLITE_CONFIG_HEAP]] <dt>SQLITE_CONFIG_HEAP</dt>**
** <dd> ^The SQLITE_CONFIG_HEAP option specifies a static memory buffer**
** that SQLite will use for all of its dynamic memory allocation needs**
** beyond those provided for by [SQLITE_CONFIG_PAGECACHE].**
** ^The SQLITE_CONFIG_HEAP option is only available if SQLite is compiled**
** with either [SQLITE_ENABLE_MEMSYS3] or [SQLITE_ENABLE_MEMSYS5] and returns**
** [SQLITE_ERROR] if invoked otherwise.**
** ^There are three arguments to SQLITE_CONFIG_HEAP:**
** An 8-byte aligned pointer to the memory,**
** the number of bytes in the memory buffer, and the minimum allocation size.**
** ^If the first pointer (the memory pointer) is NULL, then SQLite reverts**
** to using its default memory allocator (the system malloc() implementation),
undoing any prior invocation of [SQLITE_CONFIG_MALLOC]. ^If the memory pointer is not NULL then the alternative memory
allocator is engaged to handle all of SQLites memory allocation needs.
* The first pointer (the memory pointer) must be aligned to an 8-byte boundary or subsequent behavior of SQLite will be undefined.
* The minimum allocation size is capped at 2**12. Reasonable values for the minimum allocation size are 2**5 through 2**8.</dd>

**

** [[SQLITE_CONFIG_MUTEX]] <dt>SQLITE_CONFIG_MUTEX</dt>
** <dd> ^(The SQLITE_CONFIG_MUTEX option takes a single argument which is a pointer to an instance of the [sqlite3_mutex_methods] structure. The argument specifies alternative low-level mutex routines to be used in place the mutex routines built into SQLite.)^ SQLite makes a copy of the content of the [sqlite3_mutex_methods] structure before the call to [sqlite3_config()] returns. ^If SQLite is compiled with the SQLITE_THREADSAFE | SQLITE_THREADSAFE=0 compile-time option then the entire mutexing subsystem is omitted from the build and hence calls to [sqlite3_config()] with the SQLITE_CONFIG_MUTEX configuration option will return [SQLITE_ERROR].</dd>

**

** [[SQLITE_CONFIG_GETMUTEX]] <dt>SQLITE_CONFIG_GETMUTEX</dt>
** <dd> ^(The SQLITE_CONFIG_GETMUTEX option takes a single argument which is a pointer to an instance of the [sqlite3_mutex_methods] structure. The [sqlite3_mutex_methods] structure is filled with the currently defined mutex routines.)^ This option can be used to overload the default mutex allocation routines with a wrapper used to track mutex usage for performance profiling or testing, for example. ^If SQLite is compiled with the SQLITE_THREADSAFE | SQLITE_THREADSAFE=0 compile-time option then the entire mutexing subsystem is omitted from the build and hence calls to [sqlite3_config()] with the SQLITE_CONFIG_GETMUTEX configuration option will return [SQLITE_ERROR].</dd>

**

** [[SQLITE_CONFIG_LOOKASIDE]] <dt>SQLITE_CONFIG_LOOKASIDE</dt>
** <dd> ^(The SQLITE_CONFIG_LOOKASIDE option takes two arguments that determine the default size of lookaside memory on each [database connection]. The first argument is the size of each lookaside buffer slot and the second is the number of slots allocated to each database connection.)^ ^SQLITE_CONFIG_LOOKASIDE sets the i<default/> lookaside size. The [SQLITE_DBCONFIG_LOOKASIDE] option to [sqlite3_db_config()] can be used to change the lookaside configuration on individual connections.)^</dd>

**

** [[SQLITE_CONFIG_PCACHE2]] <dt>SQLITE_CONFIG_PCACHE2</dt>
** <dd> ^(The SQLITE_CONFIG_PCACHE2 option takes a single argument which is a pointer to an [sqlite3_pcache_methods2] object. This object specifies the interface to a custom page cache implementation.)^ SQLite makes a copy of the [sqlite3_pcache_methods2] object.</dd>
The SQLITE_CONFIG_GETPCACHE2 option takes a single argument which is a pointer to an [sqlite3_pcache_methods2] object. SQLite copies of the current page cache implementation into that object.

The SQLITE_CONFIG_LOG option is used to configure the SQLite global [error log].

The SQLITE_CONFIG_LOG option takes two arguments: a pointer to a function with a call signature of void(*)(void*,int,const char*), and a pointer to void. If the function pointer is not NULL, it is invoked by [sqlite3_log()] to process each logging event. If the function pointer is NULL, the [sqlite3_log()] interface becomes a no-op.

The SQLITE_CONFIG_URI option takes a single argument of type int. If non-zero, then URI handling is globally enabled. If the parameter is zero, then URI handling is globally disabled. If URI handling is globally enabled, all filenames passed to [sqlite3_open()], [sqlite3_open_v2()], [sqlite3_open16()] or specified as part of [ATTACH] commands are interpreted as URIs, regardless of whether or not the SQLITE_OPEN_URI flag is set when the database connection is opened. If it is globally disabled, filenames are only interpreted as URIs if the SQLITE_OPEN_URI flag is set when the database connection is opened. (By default, URI handling is globally disabled. The default value may be changed by compiling with the [SQLITE_USE_URI] symbol defined.)

The SQLITE_CONFIG_COVERING_INDEX_SCAN option takes a single integer argument which is interpreted as a boolean in order to enable or disable the use of covering indices for full table scans in the query optimizer. The default setting is determined by the SQLITE_ALLOW_COVERING_INDEX_SCAN compile-time option, or is "on" if that compile-time option is omitted. The ability to disable the use of covering indices for full table scans...
** is because some incorrectly coded legacy applications might malfunction
** when the optimization is enabled. Providing the ability to
** disable the optimization allows the older, buggy application code to work
** without change even with newer versions of SQLite.
**
** [[SQLITE_CONFIG_PCACHE]] [[SQLITE_CONFIG_GETPCACHE]]
** <dt>SQLITE_CONFIG_PCACHE and SQLITE_CONFIG_GETPCACHE
** <dd> These options are obsolete and should not be used by new code.
** They are retained for backwards compatibility but are now no-ops.
** </dd>
**
** [[SQLITE_CONFIG_SQLLOG]]
** <dt>SQLITE_CONFIG_SQLLOG
** <dd> This option is only available if sqlite is compiled with the
** [SQLITE_ENABLE_SQLLOG] pre-processor macro defined. The first argument should
** be a pointer to a function of type void(*)(void*,sqlite3*,const char*, int).
** The second should be of type (void*). The callback is invoked by the library
** in three separate circumstances, identified by the value passed as the
** fourth parameter. If the fourth parameter is 0, then the database connection
** passed as the second argument has just been opened. The third argument
** points to a buffer containing the name of the main database file. If the
** fourth parameter is 1, then the SQL statement that the third parameter
** points to has just been executed. Or, if the fourth parameter is 2, then
** the connection being passed as the second parameter is being closed. The
** third parameter is passed NULL In this case. An example of using this
** configuration option can be seen in the "test_sqllog.c" source file in
** the canonical SQLite source tree.</dd>
**
** [[SQLITE_CONFIG_MMAP_SIZE]]
** <dt>SQLITE_CONFIG_MMAP_SIZE
** <dd> SQLITE_CONFIG_MMAP_SIZE takes two 64-bit integer (sqlite3_int64) values
** that are the default mmap size limit (the default setting for
** [PRAGMA mmap_size]) and the maximum allowed mmap size limit.
** ^The default setting can be overridden by each database connection using
** either the [PRAGMA mmap_size] command, or by using the
** [SQLITE_FCNTL_MMAP_SIZE] file control. ^The maximum allowed mmap size
** will be silently truncated if necessary so that it does not exceed the
** compile-time maximum mmap size set by the
** [SQLITE_MAX_MMAP_SIZE] compile-time option.)^
** ^If either argument to this option is negative, then that argument is
** changed to its compile-time default.
**
** [[SQLITE_CONFIG_WIN32_HEAPSIZE]]
** <dt>SQLITE_CONFIG_WIN32_HEAPSIZE
** <dd> The SQLITE_CONFIG_WIN32_HEAPSIZE option is only available if SQLite is
** compiled for Windows with the [SQLITE_WIN32_MALLOC] pre-processor macro
** defined. SQLITE_CONFIG_WIN32_HEAPSIZE takes a 32-bit unsigned integer value
** that specifies the maximum size of the created heap.
** [[SQLITE_CONFIG_PCACHE_HDRSZ]]
** <dt>SQLITE_CONFIG_PCACHE_HDRSZ
** <dd>^The SQLITE_CONFIG_PCACHE_HDRSZ option takes a single parameter which
** is a pointer to an integer and writes into that integer the number of extra
** bytes per page required for each page in [SQLITE_CONFIG_PAGECACHE].
** The amount of extra space required can change depending on the compiler,
** target platform, and SQLite version.
**
** [[SQLITE_CONFIG_PMASZ]]
** <dt>SQLITE_CONFIG_PMASZ
** <dd>^The SQLITE_CONFIG_PMASZ option takes a single parameter which
** is an unsigned integer and sets the "Minimum PMA Size" for the multithreaded
** sorter to that integer. The default minimum PMA Size is set by the
** [SQLITE_SORTER_PMASZ] compile-time option. New threads are launched
** to help with sort operations when multithreaded sorting
** is enabled (using the [PRAGMA threads] command) and the amount of content
** to be sorted exceeds the page size times the minimum of the
** [PRAGMA cache_size] setting and this value.
**
** [[SQLITE_CONFIG_STMTJRNL_SPILL]]
** <dt>SQLITE_CONFIG_STMTJRNL_SPILL
** <dd>^The SQLITE_CONFIG_STMTJRNL_SPILL option takes a single parameter which
** becomes the [statement journal] spill-to-disk threshold.
** [Statement journals] are held in memory until their size (in bytes)
** exceeds this threshold, at which point they are written to disk.
** Or if the threshold is -1, statement journals are always held
** exclusively in memory.
** Since many statement journals never become large, setting the spill
** threshold to a value such as 64KiB can greatly reduce the amount of
** I/O required to support statement rollback.
** The default value for this setting is controlled by the
** [SQLITE_STMTJRNL_SPILL] compile-time option.
**
** [[SQLITE_CONFIG_SORTERREF_SIZE]]
** <dt>SQLITE_CONFIG_SORTERREF_SIZE
** <dd>The SQLITE_CONFIG_SORTERREF_SIZE option accepts a single parameter
** of type (int) - the new value of the sorter-reference size threshold.
** Usually, when SQLite uses an external sort to order records according
** to an ORDER BY clause, all fields required by the caller are present in the
** sorted records. However, if SQLite determines based on the declared type
** of a table column that its values are likely to be very large - larger
** than the configured sorter-reference size threshold - then a reference
** is stored in each sorted record and the required column values loaded
** from the database as records are returned in sorted order. The default
** value for this option is to never use this optimization. Specifying a
** negative value for this option restores the default behaviour.
** This option is only available if SQLite is compiled with the
** [SQLITE_ENABLE_SORTER_REFERENCES] compile-time option.
**
** [SQLITE_CONFIG_MEMDB_MAXSIZE]
**<dt>SQLITE_CONFIG_MEMDB_MAXSIZE
**<dd>The SQLITE_CONFIG_MEMDB_MAXSIZE option accepts a single parameter
**[sqlite3_int64] parameter which is the default maximum size for an in-memory
** database created using [sqlite3_deserialize()]. This default maximum
** size can be adjusted up or down for individual databases using the
** [SQLITE_FCNTL_SIZE_LIMIT] [sqlite3_file_control|file-control]. If this
** configuration setting is never used, then the default maximum is determined
** by the [SQLITE_MEMDB_DEFAULT_MAXSIZE] compile-time option. If that
** compile-time option is not set, then the default maximum is 1073741824.
** */
/*
/* The "printf" code that follows dates from the 1980's. It is in
** the public domain.
**
**************************************************************************
** This file contains code for a set of "printf"-like routines. These
** routines format strings much like the printf() from the standard C
** library, though the implementation here has enhancements to support
** SQLite.
*/
/*
** 2004 May 22
**
** The author disclaims copyright to this source code. In place of
** a legal notice, here is a blessing:
**
** May you do good and not evil.
** May you find forgiveness for yourself and forgive others.
** May you share freely, never taking more than you give.
**
**************************************************************************
** This file contains the VFS implementation for unix-like operating systems
** include Linux, MacOSX, *BSD, QNX, VxWorks, AIX, HPUX, and others.
**
** There are actually several different VFS implementations in this file.
** The differences are in the way that file locking is done. The default
** implementation uses Posix Advisory Locks. Alternative implementations
** use flock(), dot-files, various proprietary locking schemas, or simply
** skip locking all together.
**
** This source file is organized into divisions where the logic for various
** subfunctions is contained within the appropriate division. PLEASE
** KEEP THE STRUCTURE OF THIS FILE INTACT. New code should be placed
** in the correct division and should be clearly labeled.
**
** The layout of divisions is as follows:
**
**  * General-purpose declarations and utility functions.
**  * Unique file ID logic used by VxWorks.
**  * Various locking primitive implementations (all except proxy locking):
**     + for Posix Advisory Locks
**     + for no-op locks
**     + for dot-file locks
**     + for flock() locking
**     + for named semaphore locks (VxWorks only)
**     + for AFP filesystem locks (MacOSX only)
**  * sqlite3_file methods not associated with locking.
**  * Definitions of sqlite3_io_methods objects for all locking
**     methods plus "finder" functions for each locking method.
**  * sqlite3 vfs method implementations.
**  * Locking primitives for the proxy uber-locking-method. (MacOSX only)
**  * Definitions of sqlite3 vfs objects for all locking methods
**     plus implementations of sqlite3_os_init() and sqlite3_os_end().
*/
/
** Return a pointer to the "temporary page" buffer held internally
** by the pager. This is a buffer that is big enough to hold the
** entire content of a database page. This buffer is used internally
** during rollback and will be overwritten whenever a rollback
** occurs. But other modules are free to use it too, as long as
** no rollbacks are happening.
*/

Found in path(s):
* /opt/cola/permits/1154067795_1625594828.48/0/sqlite-amalgamation-3320300-zip/sqlite-amalgamation-3320300/sqlite3.c
No license file was found, but licenses were detected in source scan.

/*
** CAPI3REF: Configuration Options
** KEYWORDS: {configuration option}
**
** These constants are the available integer configuration options that
** can be passed as the first argument to the [sqlite3_config()] interface.
**
** New configuration options may be added in future releases of SQLite.
** Existing configuration options might be discontinued. Applications
** should check the return code from [sqlite3_config()] to make sure that
** the call worked. The [sqlite3_config()] interface will return a
** non-zero [error code] if a discontinued or unsupported configuration option
** is invoked.
**
** <dl>
** 
** [[SQLITE_CONFIG_SINGLETHREAD]] <dt>SQLITE_CONFIG_SINGLETHREAD</dt>
** <dd>There are no arguments to this option. ^This option sets the
** [threading mode] to Single-thread. In other words, it disables
** all mutexing and puts SQLite into a mode where it can only be used
** by a single thread. ^If SQLite is compiled with
** the [SQLITE_THREADSAFE | SQLITE_THREADSAFE=0] compile-time option then
** it is not possible to change the [threading mode] from its default
** value of Single-thread and so [sqlite3_config()] will return
** SQLITE_ERROR if called with the SQLITE_CONFIG_SINGLETHREAD
** configuration option.</dd>
**
** 
** [[SQLITE_CONFIG_MULTITHREAD]] <dt>SQLITE_CONFIG_MULTITHREAD</dt>
** <dd>There are no arguments to this option. ^This option sets the
** [threading mode] to Multi-thread. In other words, it disables
** mutexing on [database connection] and [prepared statement] objects.
** The application is responsible for serializing access to
** [database connections] and [prepared statements]. But other mutexes
** are enabled so that SQLite will be safe to use in a multi-threaded
** environment as long as no two threads attempt to use the same
** [database connection] at the same time. ^If SQLite is compiled with
** the [SQLITE_THREADSAFE | SQLITE_THREADSAFE=0] compile-time option then
** it is not possible to set the Multi-thread [threading mode] and
** [sqlite3_config()] will return SQLITE_ERROR if called with the
** SQLITE_CONFIG_MULTITHREAD configuration option.</dd>
**
** 
** [[SQLITE_CONFIG_SERIALIZED]] <dt>SQLITE_CONFIG_SERIALIZED</dt>
** <dd>There are no arguments to this option. ^This option sets the
** [threading mode] to Serialized. In other words, this option enables
** all mutexes including the recursive
** mutexes on [database connection] and [prepared statement] objects.
** In this mode (which is the default when SQLite is compiled with
** [SQLITE_THREADSAFE=1]) the SQLite library will itself serialize access
** to [database connections] and [prepared statements] so that the
** application is free to use the same [database connection] or the
** same [prepared statement] in different threads at the same time.
** ^If SQLite is compiled with
** the [SQLITE_THREADSAFE | SQLITE_THREADSAFE=0] compile-time option then
** it is not possible to set the Serialized [threading mode] and
** [sqlite3_config()] will return SQLITE_ERROR if called with the
** SQLITE_CONFIG_SERIALIZED configuration option.</dd>
**
** 
** [[SQLITE_CONFIG_MALLOC]] <dt>SQLITE_CONFIG_MALLOC</dt>
** <dd> ^(The SQLITE_CONFIG_MALLOC option takes a single argument which is
** a pointer to an instance of the [sqlite3_mem_methods] structure.
** The argument specifies
alternative low-level memory allocation routines to be used in place of the memory allocation routines built into SQLite.)^ SQLite makes its own private copy of the content of the [sqlite3_mem_methods] structure before the [sqlite3_config()] call returns.</dd>

** [[SQLITE_CONFIG_GETMALLOC]] <dt>SQLITE_CONFIG_GETMALLOC</dt>
** <dd>(The SQLITE_CONFIG_GETMALLOC option takes a single argument which is a pointer to an instance of the [sqlite3_mem_methods] structure. The [sqlite3_mem_methods] structure is filled with the currently defined memory allocation routines.)^ This option can be used to overload the default memory allocation routines with a wrapper that simulates memory allocation failure or tracks memory usage, for example.  </dd>

** [[SQLITE_CONFIG_SMALL_MALLOC]] <dt>SQLITE_CONFIG_SMALL_MALLOC</dt>
** <dd>(The SQLITE_CONFIG_SMALL_MALLOC option takes single argument of type int, interpreted as a boolean, which if true provides a hint to SQLite that it should avoid large memory allocations if possible. SQLite will run faster if it is free to make large memory allocations, but some application might prefer to run slower in exchange for guarantees about memory fragmentation that are possible if large allocations are avoided. This hint is normally off.  )</dd>

** [[SQLITE_CONFIG_MEMSTATUS]] <dt>SQLITE_CONFIG_MEMSTATUS</dt>
** <dd>(The SQLITE_CONFIG_MEMSTATUS option takes single argument of type int, interpreted as a boolean, which enables or disables the collection of memory allocation statistics. (When memory allocation statistics are disabled, the following SQLite interfaces become non-operational:)

  <ul>
    <li> [sqlite3_hard_heap_limit64()]
    <li> [sqlite3_memory_used()]
    <li> [sqlite3_memory_highwater()]
    <li> [sqlite3_soft_heap_limit64()]
    <li> [sqlite3_status64()]
  </ul>)^ Memory allocation statistics are enabled by default unless SQLite is compiled with [SQLITE_DEFAULT_MEMSTATUS]=0 in which case memory allocation statistics are disabled by default.  

**</dd>

** [[SQLITE_CONFIG_SCRATCH]] <dt>SQLITE_CONFIG_SCRATCH</dt>
** <dd>The SQLITE_CONFIG_SCRATCH option is no longer used.  

**</dd>

** [[SQLITE_CONFIG_PAGECACHE]] <dt>SQLITE_CONFIG_PAGECACHE</dt>
** <dd>(The SQLITE_CONFIG_PAGECACHE option specifies a memory pool that SQLite can use for the database page cache with the default page
* cache implementation.
* This configuration option is a no-op if an application-defined page
  cache implementation is loaded using the [SQLITE_CONFIG_PCACHE2].
* ^There are three arguments to SQLITE_CONFIG_PAGECACHE: A pointer to
  8-byte aligned memory (pMem), the size of each page cache line (sz),
  and the number of cache lines (N).
* The sz argument should be the size of the largest database page
  (a power of two between 512 and 65536) plus some extra bytes for each
  page header. ^The number of extra bytes needed by the page header
  can be determined using [SQLITE_CONFIG_PCACHE_HDRSZ].
* ^It is harmless, apart from the wasted memory,
  for the sz parameter to be larger than necessary. The pMem
  argument must be either a NULL pointer or a pointer to an 8-byte
  aligned block of memory of at least sz*N bytes, otherwise
  subsequent behavior is undefined.
* ^When pMem is not NULL, SQLite will strive to use the memory provided
  to satisfy page cache needs, falling back to [sqlite3_malloc()] if
  a page cache line is larger than sz bytes or if all of the pMem buffer
  is exhausted.
* ^If pMem is NULL and N is non-zero, then each database connection
  does an initial bulk allocation for page cache memory
  from [sqlite3_malloc()] sufficient for N cache lines if N is positive or
  of -1024*N bytes if N is negative. ^If additional
  page cache memory is needed beyond what is provided by the initial
  allocation, then SQLite goes to [sqlite3_malloc()] separately for each
  additional cache line. </dd>

** [[SQLITE_CONFIG_HEAP]] <dt>SQLITE_CONFIG_HEAP</dt>**

** <dd> ^The SQLITE_CONFIG_HEAP option specifies a static memory buffer
  that SQLite will use for all of its dynamic memory allocation needs
  beyond those provided for by [SQLITE_CONFIG_PAGECACHE].
  ^The SQLITE_CONFIG_HEAP option is only available if SQLite is compiled
  with either [SQLITE_ENABLE_MEMSYS3] or [SQLITE_ENABLE_MEMSYS5] and returns
  [SQLITE_ERROR] if invoked otherwise.
  ^There are three arguments to SQLITE_CONFIG_HEAP:
  An 8-byte aligned pointer to the memory,
  the number of bytes in the memory buffer, and the minimum allocation size.
  ^If the first pointer (the memory pointer) is NULL, then SQLite reverts
  to using its default memory allocator (the system malloc() implementation),
  undoing any prior invocation of [SQLITE_CONFIG_MALLOC]. ^If the
  memory pointer is not NULL then the alternative memory
  allocator is engaged to handle all of SQLites memory allocation needs.
  The first pointer (the memory pointer) must be aligned to an 8-byte
  boundary or subsequent behavior of SQLite will be undefined.
  The minimum allocation size is capped at 2**12. Reasonable values
  for the minimum allocation size are 2**5 through 2**8.</dd>

** [[SQLITE_CONFIG_MUTEX]] <dt>SQLITE_CONFIG_MUTEX</dt>**
**<dd> *(The SQLITE_CONFIG_MUTEX option takes a single argument which is a**
**pointer to an instance of the [sqlite3_mutex_methods] structure.**
**The argument specifies alternative low-level mutex routines to be used**
**in place the mutex routines built into SQLite.)* ^SQLite makes a copy of**
**the content of the [sqlite3_mutex_methods] structure before the call to**
**[sqlite3_config()] returns.  *If SQLite is compiled with**
**the [SQLITE_THREADSAFE] [SQLITE_THREADSAFE=0] compile-time option then**
**the entire mutexing subsystem is omitted from the build and hence calls to**
**[sqlite3_config()] with the SQLITE_CONFIG_MUTEX configuration option will**
**return [SQLITE_ERROR].</dd>**

**<dd> *(The SQLITE_CONFIG_GETMUTEX option takes a single argument which**
**is a pointer to an instance of the [sqlite3_mutex_methods] structure.  The**
**[sqlite3_mutex_methods]**
**structure is filled with the currently defined mutex routines.)* ^
**This option can be used to overload the default mutex allocation**
**routines with a wrapper used to track mutex usage for performance**
**profiling or testing, for example.  *If SQLite is compiled with**
**the [SQLITE_THREADSAFE] [SQLITE_THREADSAFE=0] compile-time option then**
**the entire mutexing subsystem is omitted from the build and hence calls to**
**[sqlite3_config()] with the SQLITE_CONFIG_GETMUTEX configuration option will**
**return [SQLITE_ERROR].</dd>**

**<dd> *(The SQLITE_CONFIG_LOOKASIDE option takes two arguments that determine**
**the default size of lookaside memory on each [database connection].**
**The first argument is the**
**size of each lookaside buffer slot and the second is the number of**
**slots allocated to each database connection.)* ^(SQLITE_CONFIG_LOOKASIDE**
**sets the default lookaside size. The [SQLITE_DBCONFIG_LOOKASIDE]**
**option to [sqlite3_db_config()] can be used to change the lookaside**
**configuration on individual connections.)* </dd>**

**<dd> *(The SQLITE_CONFIG_PCACHE2 option takes a single argument which is**
**a pointer to an [sqlite3_pcache_methods2] object.  This object specifies**
**the interface to a custom page cache implementation.)* ^SQLite makes a copy of the [sqlite3_pcache_methods2] object.</dd>**

**<dd> *(The SQLITE_CONFIG_GETPCACHE2 option takes a single argument which**
**is a pointer to an [sqlite3_pcache_methods2] object.  SQLite copies of**
**the current page cache implementation into that object.)* </dd>**

**<dd> The SQLITE_CONFIG_LOG option is used to configure the SQLite**
**global [error log].**
** (The SQLITE_CONFIG_LOG option takes two arguments: a pointer to a
** function with a call signature of void(*)(void*, int, const char*),
** and a pointer to void. ^If the function pointer is not NULL, it is
** invoked by [sqlite3_log()]) to process each logging event. ^If the
** function pointer is NULL, the [sqlite3_log()] interface becomes a no-op.
** ^The void pointer that is the second argument to SQLITE_CONFIG_LOG is
** passed through as the first parameter to the application-defined logger
** function whenever that function is invoked. ^The second parameter to
** the logger function is a copy of the first parameter to the corresponding
** [sqlite3_log()] call and is intended to be a [result code] or an
** [extended result code]. ^The third parameter passed to the logger is
** log message after formatting via [sqlite3_snprintf()].
** The SQLite logging interface is not reentrant; the logger function
** supplied by the application must not invoke any SQLite interface.
** In a multi-threaded application, the application-defined logger
** function must be threadsafe. </dd>
**
** [[SQLITE_CONFIG_URI]] <dt>SQLITE_CONFIG_URI
** <dd>(The SQLITE_CONFIG_URI option takes a single argument of type int.
** If non-zero, then URI handling is globally enabled. If the parameter is zero,
** then URI handling is globally disabled.)^ ^If URI handling is globally
** enabled, all filenames passed to [sqlite3_open()], [sqlite3_open_v2()],
** [sqlite3_open16()] or
** specified as part of [ATTACH] commands are interpreted as URIs, regardless
** of whether or not the [SQLITE_OPEN_URI] flag is set when the database
** connection is opened. ^If it is globally disabled, filenames are
** only interpreted as URIs if the SQLITE_OPEN_URI flag is set when the
** database connection is opened. ^By default, URI handling is globally
** disabled. The default value may be changed by compiling with the
** [SQLITE_USE_URI] symbol defined.)^
**
** [[SQLITE_CONFIG_COVERING_INDEX_SCAN]] <dt>SQLITE_CONFIG_COVERING_INDEX_SCAN
** <dd>(The SQLITE_CONFIG_COVERING_INDEX_SCAN option takes a single integer
** argument which is interpreted as a boolean in order to enable or disable
** the use of covering indices for full table scans in the query optimizer.
** ^The default setting is determined
** by the [SQLITE_ALLOW_COVERING_INDEX_SCAN] compile-time option, or is "on"
** if that compile-time option is omitted.
** The ability to disable the use of covering indices for full table scans
** is because some incorrectly coded legacy applications might malfunction
** when the optimization is enabled. Providing the ability to
** disable the optimization allows the older, buggy application code to work
** without change even with newer versions of SQLite.
**
** [[SQLITE_CONFIG_PCACHE]] [[SQLITE_CONFIG_GETPCACHE]]
** <dt>SQLITE_CONFIG_PCACHE and SQLITE_CONFIG_GETPCACHE
** <dd>These options are obsolete and should not be used by new code.
** They are retained for backwards compatibility but are now no-ops.
**[[SQLITE_CONFIG_SQLLOG]]

**<dt>SQLITE_CONFIG_SQLLOG

**<dd>This option is only available if sqlite is compiled with the
**[SQLITE_ENABLE_SQLLOG] pre-processor macro defined. The first argument should
**be a pointer to a function of type void(*)(void*,sqlite3*,const char*, int).
**The second should be of type (void*). The callback is invoked by the library
**in three separate circumstances, identified by the value passed as the
**fourth parameter. If the fourth parameter is 0, then the database connection
**passed as the second argument has just been opened. The third argument
**points to a buffer containing the name of the main database file. If the
**fourth parameter is 1, then the SQL statement that the third parameter
**points to has just been executed. Or, if the fourth parameter is 2, then
**the connection being passed as the second parameter is being closed. The
**third parameter is passed NULL In this case. An example of using this
**configuration option can be seen in the "test_sqllog.c" source file in
**the canonical SQLite source tree.</dd>

**

**[[SQLITE_CONFIG_MMAP_SIZE]]

**<dt>SQLITE_CONFIG_MMAP_SIZE

**<dd>^SQLITE_CONFIG_MMAP_SIZE takes two 64-bit integer (sqlite3_int64) values
**that are the default mmap size limit (the default setting for
**[PRAGMA mmap_size]) and the maximum allowed mmap size limit.
**^The default setting can be overridden by each database connection using
**either the [PRAGMA mmap_size] command, or by using the
**[SQLITE_FCNTL_MMAP_SIZE] file control. ^(The maximum allowed mmap size
**will be silently truncated if necessary so that it does not exceed the
**compile-time maximum mmap size set by the
**[SQLITE_MAX_MMAP_SIZE] compile-time option.)^  
**^If either argument to this option is negative, then that argument is
**changed to its compile-time default.

**

**[[SQLITE_CONFIG_WIN32_HEAPSIZE]]

**<dt>SQLITE_CONFIG_WIN32_HEAPSIZE

**<dd>^The SQLITE_CONFIG_WIN32_HEAPSIZE option is only available if SQLite is
**compiled for Windows with the [SQLITE_WIN32_MALLOC] pre-processor macro
**defined. ^SQLITE_CONFIG_WIN32_HEAPSIZE takes a 32-bit unsigned integer value
**that specifies the maximum size of the created heap.

**

**[[SQLITE_CONFIG_PCACHE_HDRSZ]]

**<dt>SQLITE_CONFIG_PCACHE_HDRSZ

**<dd>^The SQLITE_CONFIG_PCACHE_HDRSZ option takes a single parameter which
**is a pointer to an integer and writes into that integer the number of extra
**bytes per page required for each page in [SQLITE_CONFIG_PAGECACHE].
**The amount of extra space required can change depending on the compiler,
**target platform, and SQLite version.
The SQLITE_CONFIG_PMASZ option takes a single parameter which is an unsigned integer and sets the "Minimum PMA Size" for the multithreaded sorter to that integer. The default minimum PMA Size is set by the SQLITE_SORTER_PMASZ compile-time option. New threads are launched to help with sort operations when multithreaded sorting is enabled (using the [PRAGMA threads] command) and the amount of content to be sorted exceeds the page size times the minimum of the [PRAGMA cache_size] setting and this value.

The SQLITE_CONFIG_STMTJRNL_SPILL option takes a single parameter which becomes the [statement journal] spill-to-disk threshold. [Statement journals] are held in memory until their size (in bytes) exceeds this threshold, at which point they are written to disk. Or if the threshold is -1, statement journals are always held exclusively in memory.

Since many statement journals never become large, setting the spill threshold to a value such as 64KiB can greatly reduce the amount of I/O required to support statement rollback. The default value for this setting is controlled by the SQLITE_STMTJRNL_SPILL compile-time option.

The SQLITE_CONFIG_SORTERREFERENCE_SIZE option accepts a single parameter of type (int) - the new value of the sorter-reference size threshold. Usually, when SQLite uses an external sort to order records according to an ORDER BY clause, all fields required by the caller are present in the sorted records. However, if SQLite determines based on the declared type of a table column that its values are likely to be very large - larger than the configured sorter-reference size threshold - then a reference is stored in each sorted record and the required column values loaded from the database as records are returned in sorted order. The default value for this option is to never use this optimization. Specifying a negative value for this option restores the default behaviour. This option is only available if SQLite is compiled with the SQLITE_ENABLE_SORTER_REFERENCES compile-time option.

The SQLITE_CONFIG_MEMDB_MAXSIZE option accepts a single parameter [sqlite3_int64] parameter which is the default maximum size for an in-memory database created using [sqlite3_deserialize()]. This default maximum size can be adjusted up or down for individual databases using the SQLite_FCNTL_SIZE_LIMIT [sqlite3_file_control|file-control]. If this
** configuration setting is never used, then the default maximum is determined ** by the [SQLITE_MEMDB_DEFAULT_MAXSIZE] compile-time option. If that ** compile-time option is not set, then the default maximum is 1073741824. **

*/

Found in path(s):
* /opt/cola/permits/1154067795_1625594828.48/0/sqlite-amalgamation-3320300-zip/sqlite-amalgamation-3320300/sqlite3.h

1.897 expat 1.5.4

1.897.1 Available under license:

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1.899 logback-core 1.2.3

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1.902 lvm2 1.02.158-2.el7atomix1

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 */
/**
 * A { @link WebApplicationContext} that can be used to bootstrap itself from a contained
This context will create, initialize and run an \texttt{WebServer} by searching for a single \texttt{ServletWebServerFactory} bean within the \texttt{ApplicationContext} itself. The \texttt{ServletWebServerFactory} is free to use standard Spring concepts (such as dependency injection, lifecycle callbacks and property placeholder variables).

In addition, any \texttt{Servlet} or \texttt{Filter} beans defined in the context will be automatically registered with the web server. In the case of a single Servlet bean, the '/\texttt{name}' mapping will be used. If multiple Servlet beans are found then the lowercase bean name will be used as a mapping prefix. Any Servlet named 'dispatcherServlet' will always be mapped to '/\texttt{name}'. Filter beans will be mapped to all URLs ('\texttt{/*}').

For more advanced configuration, the context can instead define beans that implement the \texttt{ServletContextInitializer} interface (most often \texttt{ServletRegistrationBean}s and/or \texttt{FilterRegistrationBean}s). To prevent double registration, the use of \texttt{ServletContextInitializer} beans will disable automatic Servlet and Filter bean registration.

Although this context can be used directly, most developers should consider using the \texttt{AnnotationConfigServletWebServerApplicationContext} or \texttt{XmlServletWebServerApplicationContext} variants.

\texttt{@author Phillip Webb}
\texttt{@author Dave Syer}
\texttt{@since 2.0.0}
\texttt{@see AnnotationConfigServletWebServerApplicationContext}
\texttt{@see XmlServletWebServerApplicationContext}
\texttt{@see ServletWebServerFactory}

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*
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1.927 systemd 241-7~deb10u4

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Protocol Buffers for Go with Gadgets

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

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https://github.com/golang/protobuf

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* java.sun.security.ssl

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http://openjdk.java.net/legal/gplv2+ce.html

OW2

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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

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

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

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.943 golang-snappy 0.0.0-20180518054509-2e65f85255db

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1.951 opensaml-xmlsec-impl 3.3.0

1.952 utils 0.0.0-20201110183641-67b214c5f920

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1.953 go-runtime 1.16.9

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processors:
  - set:
      field: event.ingested
      value: '{{_ingest.timestamp}}'
  - set:
      field: event.created
value: '{{@timestamp}}'
- date:
  field: zeek.notice.ts
  formats:
  - UNIX
  - ISO8601
- remove:
  field: zeek.notice.ts
- geoip:
  field: destination.ip
  target_field: destination.geo
  ignore_missing: true
- geoip:
  field: source.ip
  target_field: source.geo
  ignore_missing: true
- geoip:
  database_file: GeoLite2-ASN.mmdb
  field: source.ip
  target_field: source.as
  properties:
  - asn
  - organization_name
  ignore_missing: true
- geoip:
  database_file: GeoLite2-ASN.mmdb
  field: destination.ip
  target_field: destination.as
  properties:
  - asn
  - organization_name
  ignore_missing: true
- rename:
  field: source.as.asn
  target_field: source.as.number
  ignore_missing: true
- rename:
  field: source.as.organization_name
  target_field: source.as.organization.name
  ignore_missing: true
- rename:
  field: destination.as.asn
  target_field: destination.as.number
  ignore_missing: true
- rename:
  field: destination.as.organization_name
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Version: v1.0.0
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Version: v1.19.1-0.20210823122811-11c3ef800752
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Version: v0.0.0-20170221213301-9f32b5905fd6
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Dependency : github.com/aerospike/aerospike-client-go
Version: v1.27.1-0.20170612174108-0f3b54da6bdc
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Dependency : github.com/elastic/ecs
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Version: v0.0.0-20170324095351-ffef3ffc77be
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Version: v0.0.0-20190422162347-ade71ed3457e
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Version: v0.10.4
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Version: v0.0.4
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version: v1.12.0
licence type (autodetected): Apache-2.0

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Dependency : github.com/google/go-cmp
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Version: v0.0.0-20180427100037-88b0669f7d75
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Dependency : github.com/gorilla/mux
Version: v1.7.3
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Dependency : github.com/h2non/filetype
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Version: v0.0.0-20170116052023-ab25296c0f51
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Version: v1.3.3
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Dependency : github.com/oklog/ulid
Version: v1.3.1
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Version: v0.0.5
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Dependency: github.com/osquery/osquery-go
Version: v0.0.0-20210622151333-99b4efa62ec5
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Dependency : github.com/otiai10/copy
Version: v1.2.0
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Version: v0.9.1
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Version: v0.0.0-20210220032951-036812b2e83c
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Version: v0.0.0-20211025112917-711f33c9992c
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Dependency: golang.org/x/time
Version: v0.0.0-20210220033141-f8bda1e9f3ba
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Version: v0.0.0-20211021150943-2b146023228c
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Version: v2.0.0-20160818020120-3f83fa500528
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Dependency: github.com/BurntSushi/toml
Version: v0.3.1
Licence type (autodetected): MIT
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Dependency: github.com/OneOfOne/xxhash
Version: v1.2.2
Licence type (autodetected): Apache-2.0

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Licence type (autodetected): MIT

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Dependency: github.com/akavel/rsr
Version: v0.8.0
Licence type (autodetected): MIT

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Dependency : github.com/apache/thrift
Version: v0.13.1-0.20200603211036-eac4d0c79a5f
Licence type (autodetected): Apache-2.0

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Version: v0.0.0-20181020210610-23942921fe77
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Version: v1.0.0
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Version: v0.0.0-20180814174437-776d5712da21
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Dependency : github.com/eapache/queue
Version: v1.1.0
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Dependency : github.com/elazarl/goproxy
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Dependency : github.com/evanphx/json-patch
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Dependency : github.com/fearful-symmetry/gomsr
Version: v0.0.1
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Dependency : github.com/frankban/quicktest
Version: v1.11.3
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Dependency: github.com/go-logr/logr
Version: v0.4.0
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Dependency : github.com/go-martini/martini
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Dependency : github.com/go-ole/go-ole
Version: v1.2.5-0.20190920104607-14974a1cf647
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Dependency : github.com/go-sourcemap/sourcemap
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Version: v4.0.0
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Dependency: github.com/golang-sql/civil
Version: v0.0.0-20190719163853-cb61b32ac6fe
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Dependency: github.com/elastic/glog
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Dependency : github.com/jtolds/gls
Version: v4.20.0+incompatible
Licence type (autodetected): MIT

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Dependency : github.com/karrick/godirwalk
Version: v1.15.6
Licence type (autodetected): BSD-2-Clause

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Dependency : github.com/klauspost/compress
Version: v1.13.6
Licence type (autodetected): Apache-2.0
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Files: internal/snapref/*

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Dependency : github.com/kr/logfmt
Version: v0.0.0-20140226030751-b84e30acd515
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Go package for parsing (and, eventually, generating) log lines in the logfmt style.

See http://godoc.org/github.com/kr/logfmt for format, and other documentation and examples.

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Dependency : github.com/kr/pretty
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Dependency : github.com/kr/text
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Dependency : github.com/mailru/easyjson
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Dependency: github.com/martini-contrib/render
Version: v0.0.0-20150707142108-ec18f8345a11
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Dependency: github.com/mattn/go-ieproxy
Version: v0.0.0-20191113090002-7c0f6868bffe
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Dependency : github.com/mattn/go-isatty
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Dependency: github.com/mattn/go-sqlite3
Version: v1.9.0
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Version: v1.0.2-0.20181231171920-c182affec369
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Dependency : github.com/mitchellh/go-testing-interface
Version: v1.0.0
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Version: v1.0.0
Licence type (autodetected): MIT

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Dependency: github.com/nxadm/tail
Version: v1.4.4
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Dependency : github.com/onsi/ginkgo
Version: v1.12.1
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Version: v1.0.0
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Version: v1.7.1
Licence type (autodetected): Apache-2.0

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Dependency : github.com/samuel/go-parser
Version: v0.0.0-20130731160455-ca8abbf65d0e
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Version: v0.0.0-20170819195128-ed9d249f429b
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Version: v1.0.3
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Version: v0.0.0-20210220032956-6a3ed077a48d
Licence type (autodetected): BSD-3-Clause

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Version: v0.0.0-20200804184101-5ec99f83aff1
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Dependency : google.golang.org/appengine
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Version: v1.0.0-20201130134442-10cb98267c6c
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Gocheck - A rich testing framework for Go

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Version: v1.0.1
Licence type (autodetected): Apache-2.0

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Dependency : gopkg.in/tomb.v1
Version: v1.0.0-20141024135613-dd632973f1e7
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Dependency : honnef.co/go/tools
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Version: v2.8.0
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Version: v0.0.0-20210305001622-591a79e4bda7
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---

Dependency: sigs.k8s.io/structured-merge-diff/v4
Version: v4.1.0
Licence type (autodetected): Apache-2.0

---

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Dependency : sigs.k8s.io/yaml
Version: v1.2.0
Licence type (autodetected): MIT
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package licenses

//go:generate go run ../dev-tools/cmd/license/license_generate.go
module_version: 1.0

var:
- name: paths
default:
  - /var/log/bro/current/notice.log
  os.linux:
  - /var/log/bro/current/notice.log
  os.darwin:
  - /usr/local/var/logs/current/notice.log
- name: tags
default: [zeek.notice]
- name: internal_networks
default: [private]

ingest_pipeline: ingest/pipeline.yml
input: config/notice.yml

requires.processors:
- name: geoip
  plugin: ingest-geoip

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osquerybeat
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- name: notice
type: group
description: >
  Fields exported by the Zeek Notice log.
fields:
- name: connection_id
type: keyword
description: >
  Identifier of the related connection session.
- name: icmp_id
type: keyword
description: Identifier of the related ICMP session.

- name: file.id
type: keyword
description: An identifier associated with a single file that is related to this notice.

- name: file.parent_id
type: keyword
description: Identifier associated with a container file from which this one was extracted.

- name: file.source
type: keyword
description: An identification of the source of the file data. E.g. it may be a network protocol over which it was transferred, or a local file path which was read, or some other input source.

- name: file.mime_type
type: keyword
description: A mime type if the notice is related to a file.

- name: file.is_orig
type: boolean
description: If the source of this file is a network connection, this field indicates if the file is being sent by the originator of the connection or the responder.

- name: file.seen_bytes
type: long
description: Number of bytes provided to the file analysis engine for the file.

- name: ffile.total_bytes
type: long
description: Total number of bytes that are supposed to comprise the full file.

- name: file.missing_bytes
type: long
description: The number of bytes in the file stream that were completely missed during the process.
of analysis.

- name: file.overflow.bytes
type: long
description: |
The number of bytes in the file stream that were not delivered to stream file analyzers. This could be overlapping bytes or bytes that couldn't be reassembled.

- name: fuid
type: keyword
description: >
A file unique ID if this notice is related to a file.

- name: note
type: keyword
description: >
The type of the notice.

- name: msg
type: keyword
description: >
The human readable message for the notice.

- name: sub
type: keyword
description: >
The human readable sub-message.

- name: n
type: long
description: >
Associated count, or a status code.

- name: peer_name
type: keyword
description: >
Name of remote peer that raised this notice.

- name: peer_descr
type: text
description: >
Textual description for the peer that raised this notice.

- name: actions
type: keyword
description: >
The actions which have been applied to this notice.
- name: email_body_sections
type: text
description: |
   By adding chunks of text into this element, other scripts can expand on notices
   that are being emailed.

- name: email_delay_tokens
type: keyword
description: |
   Adding a string token to this set will cause the built-in emailing functionality
   to delay sending the email either the token has been removed or the email
   has been delayed for the specified time duration.

- name: identifier
type: keyword
description: >
   This field is provided when a notice is generated for the purpose of deduplicating notices.

- name: suppress_for
type: double
description: >
   This field indicates the length of time that this unique notice should be suppressed.

- name: dropped
type: boolean
description: >
   Indicate if the source IP address was dropped and denied network access.

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package licenser

import (  "encoding/json"
func TestLicenseUnmarshal(t *testing.T) {
    tests := map[string]struct {
        lic     string
        want    License
        failing bool
    }{
        "basic license": {
            lic:  `{"uid": "1234", "type": "basic", "status": "active"}`,
            want: License{UUID: "1234", Type: Basic, Status: Active},
        },
        "active enterprise": {
            lic:  `{"uid": "1234", "type": "enterprise", "status": "active"}`,
            want: License{UUID: "1234", Type: Enterprise, Status: Active},
        },
        "expired enterprise": {
            lic:  `{"uid": "1234", "type": "enterprise", "status": "expired"}`,
            want: License{UUID: "1234", Type: Enterprise, Status: Expired},
        },
        "trial": {
            lic:  `{"uid": "1234", "type": "trial", "status": "active", "expiry_date_in_millis": 1538060781728}`,
            want: License{UUID: "1234", Type: Trial, Status: Active, ExpiryDate: time.Date(2018, 9, 27, 15, 6, 21, 728000000, time.UTC)},
        },
    }
    for name, test := range tests {
        t.Run(name, func(t *testing.T) {
            var got License
            if err := json.Unmarshal([]byte(test.lic), &got); err != nil {
                if !test.failing {
                    t.Fatal(err)
                }
                return
            }

            if test.failing {
                t.Fatal("expected license to be invalid")
            }

            assert.Equal(t, test.want, got)
        })
    }
}
func TestIsExpired(t *testing.T) {
    expired := true

    tests := map[string]struct {
        license License
        want bool
    }
    "trial is expired": {
        license: License{Type: Trial, ExpiryDate: time.Now().Add(-2 * time.Hour)},
        want: expired,
    },
    "trial is not expired": {
        license: License{Type: Trial, ExpiryDate: time.Now().Add(2 * time.Minute)},
        want: !expired,
    },
    "license is not on trial": {
        license: License{Type: Basic, ExpiryDate: time.Now().Add(2 * time.Minute)},
        want: !expired,
    },
    "state is expired": {
        license: License{Type: Enterprise, Status: Expired},
        want: expired,
    },
    "active enterprise license": {
        license: License{Type: Enterprise, Status: Active},
        want: !expired,
    },
}

for name, test := range tests {
    t.Run(name, func(t *testing.T) {
        assert.Equal(t, test.want, IsExpired(test.license))
    })
}

type: log
paths:


processors:
- drop_fields:
  fields: 
  - "json.actions"
  ignore_missing: true
- rename:
  fields:
  - from: "json"
    to: "zeek.notice"
  - from: "zeek.notice.src"
    to: "source.address"
  - from: "zeek.notice.dst"
    to: "destination.address"
  - from: "zeek.notice.uid"
    to: "zeek.session_id"
  - from: "zeek.notice.p"
    to: "destination.port"
  - from: "zeek.notice.conn"
    to: "zeek.notice.connection_id"
  - from: "zeek.notice.icomm"
    to: "zeek.notice.icmp_id"
  - from: "zeek.notice.id.orig_h"
    to: "source.address"
  - from: "zeek.notice.id.orig_p"
    to: "source.port"
  - from: "zeek.notice.id.resp_h"
    to: "destination.address"
  - from: "zeek.notice.id.resp_p"
    to: "destination.port"
  - from: "zeek.notice.proto"
    to: "network.transport"
  - from: "zeek.notice.id.orig_p"
    to: "source.port"
  - from: "zeek.notice.f.id"
    to: "zeek.notice.file.id"
- from: "zeek.notice.f.parent_id"
  to: "zeek.notice.file.parent_id"

- from: "zeek.notice.f.source"
  to: "zeek.notice.file.source"

- from: "zeek.notice.f.is_orig"
  to: "zeek.notice.file.is_orig"

- from: "zeek.notice.f.seen_bytes"
  to: "zeek.notice.file.seen_bytes"

- from: "zeek.notice.f.total_bytes"
  to: "zeek.notice.file.total_bytes"

- from: "zeek.notice.file_mime_type"
  to: "zeek.notice.file.mime_type"

ignore_missing: true
fail_on_error: false

- drop_fields:
  fields: ["zeek.notice.remote_location", "zeek.notice.f"]
ignore_missing: true

- convert:
  fields:
  - {from: "zeek.session_id", to: "event.id"}
  - {from: "source.address", to: "source.ip", type: "ip"}
  - {from: "destination.address", to: "destination.ip", type: "ip"}
  - {from: "zeek.notice.file.total_bytes", to: "file.size"}
  - {from: "zeek.notice.file.mime_type", to: "file.mime_type"}
  - {from: "zeek.notice.note", to: "rule.name"}
  - {from: "zeek.notice.msg", to: "rule.description"}
ignore_missing: true
fail_on_error: false

- add_fields:
  target: event
  fields:
    kind: alert
    category:
      - intrusion_detection
    type:
      - info
    community_id:
      { if .internal_networks }
  - add_network_direction:
    source: source.ip
destination: destination.ip
target: network.direction

internal_networks: {{ .internal_networks | tojson }}

- add_fields:
  target: ''
  fields:
    ecs.version: 1.12.0
{{- define "depInfo" -}}
{{- range $i, $dep := . }}
  {{ $dep.Name }},{{ $dep.URL }},{{ $dep.Version | canonicalVersion }},{{ $dep.Version | revision }},{{ $dep.LicenceType }}
{{- end -}}
{{- end -}}

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{{ template "depInfo" .Direct }}

{{ if .Indirect }}
{{ "=" | line }}
Indirect dependencies

{{ template "depInfo" .Indirect }}
{{ end }}
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import "fmt"

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`

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`
func Find(name string) (string, error) {
switch name {
case "ASL2":
return ASL2, nil
case "Elastic":
return Elastic, nil
}
return "", fmt.Errorf("unknown license: %s", name)
}
{"ts":1320435875.879278,"note":"SSH::Password_Guessing","msg":"172.16.238.1 appears to be guessing SSH
passwords (seen in 30 connections).","sub":"Sampled servers: 172.16.238.136, 172.16.238.136, 172.16.238.136,
172.16.238.136,
172.16.238.136","src":"172.16.238.1","peer_descr":"bro","actions":["Notice::ACTION_LOG"],"suppress_for":3600
.0,"dropped":false}
{"ts":1551393388.426472,"note":"Scan::Port_Scan","msg":"8.42.77.171 scanned at least 15 unique ports of host
207.154.238.205 in
0m0s","sub":"remote","src":"8.42.77.171","dst":"207.154.238.205","peer_descr":"bro","actions":["Notice::ACTION
_LOG"],"suppress_for":3600.0,"dropped":false}
<5>1 2021-03-09T10:17:54Z VAULT
{"format":"elastic","version":"1.0","syslog":{"audit_record":{"Rfc5424":"yes","Timestamp":"Mar 09
02:17:54","IsoTimestamp":"2021-03-09T10:17:54Z","Hostname":"VAULT","Vendor":"CyberArk","Product":"Vault","Version":"11.7.0000","MessageID":"355","Desc":"Monitor License Expiration Date
start","Severity":"Info","Issuer":"Batch","Action":"Monitor License Expiration Date
start","SourceUser":"","TargetUser":"","Safe":"","File":"","Station":"0.0.0.0","Location":"","Category":"","RequestI
d":"","Reason":"","ExtraDetails":"","Message":"Monitor License Expiration Date start","GatewayStation":""}}}
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package licenser

import (
    "encoding/json"
    "fmt"
    "time"
)

// License represents the license of this beat, the license is fetched and returned from
// the elasticsearch cluster.

// The x-pack endpoint returns the following JSON response.

//
//
// "license": {
//   "status": "active",
//   "uid": "cbff45e7-c553-41f7-ae4f-9205eabd80xx",
//   "type": "trial",
//   "issue_date": "2018-10-20T22:05:12.332Z",
//   "issue_date_in_millis": 1540073112332,
//   "expiry_date": "2018-11-19T22:05:12.332Z",
//   "expiry_date_in_millis": 1542665112332,
//   "max_nodes": 1000,
//   "issued_to": "test",
//   "issuer": "elasticsearch",
//   "start_date_in_millis": -1
// }
//
// Definition:
// type is the installed license.
// mode is the license in operation. (effective license)
// status is the type installed is active or not.

type License struct {
    UUID       string `json:"uid"`
    Type       LicenseType `json:"type"`
    Status     State `json:"status"`
    ExpiryDate time.Time `json:"expiry_date_in_millis,omitempty"`
}

func (l *License) UnmarshalJSON(b []byte) error {
document := struct {
    UUID string "json:"uid"
    Type LicenseType "json:"type"
    Status State "json:"status"
    ExpiryDate int64 "json:"expiry_date_in_millis,omitempty"
}{}

if err := json.Unmarshal(b, &document); err != nil {
    return err
}

var expiryTime time.Time
if document.ExpiryDate != 0 {
    expiryTime = time.Unix(0, int64(time.Millisecond)*int64(document.ExpiryDate)).UTC()
} else if document.Type == Trial {
    return fmt.Errorf("missing expiry_date_in_millis on trial license")
}

*l = License{
    UUID: document.UUID,
    Type: document.Type,
    Status: document.Status,
    ExpiryDate: expiryTime,
}
return nil

// Cover returns true if the provided license is included in the range of license.  
// Basic -> match basic, gold and platinum 
// gold -> match gold and platinum 
// platinum -> match platinum only 
func (l *License) Cover(license LicenseType) bool {
    if l.Type >= license {
        return true
    }
    return false
}

// IsExpired checks if the installed Elasticsearch license is still valid. 
func IsExpired(l License) bool {
    return l.Status == Expired || (l.Type == Trial && time.Now().After(l.ExpiryDate))
}

// EqualTo returns true if the two license are the same, we compare license to reduce the number 
// message send to the watchers.  
func (l *License) EqualTo(other *License) bool {
    return l.UUID == other.UUID &&
1. Type == other.Type &&
2. Status == other.Status

} \{beat\}

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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) <year> <name of author>

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

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

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

    Gnomovision version 69, Copyright (C) year name of author
    Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
    This is free software, and you are welcome to redistribute it
    under certain conditions; type `show c' for details.

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

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

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

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

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

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Version 2, June 1991

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

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

Preamble

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

This license, the Library General Public License, applies to some
specially designated Free Software Foundation software, and to any
other libraries whose authors decide to use it. You can use it for
your libraries, too.

When we speak of free software, we are referring to freedom, not
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this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

1. You may copy and distribute verbatim copies of the Library’s complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any
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You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

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

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

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

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

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

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

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

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

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

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

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

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.
When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

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b) Accompany the work with a written offer, valid for at
least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest
possible use to the public, we recommend making it free software that
everyone can redistribute and change. You can do so by permitting
redistribution under these terms (or, alternatively, under the terms of the
ordinary General Public License).

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safest to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least the
"copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
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Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the library, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the
library `Frob` (a library for tweaking knobs) written by James Random Hacker.
<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

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Version 2.1, February 1999

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as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

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Free Software Foundation and other authors who decide to use it. You
can use it too, but we suggest you first think carefully about whether
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When we speak of free software, we are referring to freedom of use,
not price. Our General Public Licenses are designed to make sure that
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for this service if you wish); that you receive source code or can get
it if you want it; that you can change the software and use pieces of
it in new free programs; and that you are informed that you can do
these things.

To protect your rights, we need to make restrictions that forbid
distributors to deny you these rights or to ask you to surrender these
rights. These restrictions translate to certain responsibilities for
you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis
or for a fee, you must give the recipients all the rights that we gave
you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be 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.

^L

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writing it). Whether that is true depends on what the Library does
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   c) You must cause the whole of the work to be licensed at no
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   d) If a facility in the modified Library refers to a function or a
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      is invoked, then you must make a good faith effort to ensure that,
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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
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BSON library for Go

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medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the
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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
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of these things:

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changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
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
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---------------------------------------------------------------------------

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1.977 go-openapi-errors 0.19.9

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1.980 aec 1.0.0

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1.981 xorm.io-builder 0.3.6

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1.982 python-ipy 0.75 6.el7
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1.984 x-sys 0.0.0-20210426230700-d19ff857e887

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Name: "Simplified BSD License",  
PossibleMatches: []string{"freebsd", "simpbsd", "simple bsd", "2-clause bsd",  
"2 clause bsd", "simplified bsd license"},  
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func initBsdClause3() {
    Licenses["bsd"] = License{
        Name: "NewBSD",
        PossibleMatches: []string{"bsd", "newbsd", "3 clause bsd", "3-clause bsd"},
        Header: `All rights reserved.
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`,
    }
}

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func initBsdClause3() {
    Licenses["bsd"] = License{
        Name: "NewBSD",
        PossibleMatches: []string{"bsd", "newbsd", "3 clause bsd", "3-clause bsd"},
        Header: `All rights reserved.
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    }
}
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  Licenses["gpl2"] = License{
    Name:            "GNU General Public License 2.0",
    PossibleMatches: []string{"gpl2", "gnu gpl2", "gplv2"},
    Header: `This program is free software; you can redistribute it and/or
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package cmd

func initGpl3() {
   Licenses["gpl3"] = License{
    Name: "GNU General Public License 3.0",
    PossibleMatches: []string{"gpl3", "gplv3", "gpl", "gnu gpl3", "gnu gpl"},
    Header: `
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import (  
    "strings"  
    "time"  
    "github.com/spf13/viper"
)

// Licenses contains all possible licenses a user can choose from.
var Licenses = make(map[string]License)

// License represents a software license agreement, containing the Name of
// the license, its possible matches (on the command line as given to cobra),
// the header to be used with each file on the file's creating, and the text
// of the license
type License struct {  
    Name            string   // The type of license in use  
    PossibleMatches []string // Similar names to guess  
    Text            string   // License text data  
    Header          string   // License header for source files
}

func init() {  
    // Allows a user to not use a license.
    Licenses["none"] = License{"None", []string{"none", "false"}, ".""

    initApache2()  
    initMit()  
    initBsdClause3()  
    initBsdClause2()  
    initGpl2()
initGpl3()
initLgpl()
initAgpl()

// getLicense returns license specified by user in flag or in config.
// If user didn't specify the license, it returns Apache License 2.0.
//
// TODO: Inspect project for existing license
func getLicense() License {
    // If explicitly flagged, use that.
    if userLicense != "" {
        return findLicense(userLicense)
    }

    // If user wants to have custom license, use that.
    if viper.IsSet("license.header") || viper.IsSet("license.text") {
        return License{Header: viper.GetString("license.header"),
                       Text: viper.GetString("license.text")}
    }

    // If user wants to have built-in license, use that.
    if viper.IsSet("license") {
        return findLicense(viper.GetString("license"))
    }

    // If user didn't set any license, use Apache 2.0 by default.
    return Licenses["apache"]
}

func copyrightLine() string {
    author := viper.GetString("author")
    year := viper.GetString("year") // For tests.
    if year == "" {
        year = time.Now().Format("2006")
    }

    return "Copyright " + year + " " + author
}

// findLicense looks for License object of built-in licenses.
// If it didn't find license, then the app will be terminated and
// error will be printed.
func findLicense(name string) License {
    found := matchLicense(name)
    if found == ""
        err("unknown license: " + name)
func matchLicense(name string) string {
    if name == "" {
        return ""
    }

    for key, lic := range Licenses {
        for _, match := range lic.PossibleMatches {
            if strings.EqualFold(name, match) {
                return key
            }
        }
    }

    return ""
}

package cmd

func initLgpl() {
    Licenses["lgpl"] = License{
        Name:            "GNU Lesser General Public License",
        PossibleMatches: []string{"lgpl", "lesser gpl", "gnu lgpl"},
        Header: `This program is free software: you can redistribute it and/or modify
        it under the terms of the GNU Lesser General Public License as published by
        the Free Software Foundation, either version 3 of the License, or
        (at your option) any later version.

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        Version 3, 29 June 2007

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        Everyone is permitted to copy and distribute verbatim copies
        of this license document, but changing it is not allowed.`
    }
}
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package cmd

func initAgpl() {
Licenses["agpl"] = License{
    Name:            "GNU Affero General Public License",
    PossibleMatches: []string{"agpl", "affero gpl", "gnu agpl"},
    Header: ` This program is free software: you can redistribute it and/or modify it under the terms of the GNU Affero General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

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package cmd

func initApache2() {
    Licenses["apache"] = License{
        Name: "Apache 2.0",
        PossibleMatches: []string{"apache", "apache20", "apache 2.0", "apache2.0", "apache-2.0"},
        Header: `Licensed under the Apache License, Version 2.0 (the "License");
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limitations under the License.`,
        Text: `Apache License
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    }
}
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func initMit() {
    Licenses["mit"] = License{
        Name: "MIT License",
        PossibleMatches: []string{"mit"},
        Header: `Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

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        Text: `The MIT License (MIT)`
    }
}
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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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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api
Oracle OpenJDK

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* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm

Apache

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

------

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
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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Asorted

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1.991 jcmturner-rpc 2.0.3

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id AA27213; Thu, 25 May 95 11:18:25 CDT
Hi. I snagged some of your bash functions from your home directory on the FSF machines (naughty, I know), and I was wondering if you'd let me distribute them with bash-2.0. Thanks.

Sure. I think there's a later copy in ~ftp/friedman/shell-inits/init-4.89.tar.gz. There are also some elisp and es frobs in that file.

It should serve as a pretty good example of how to get carried away. :-)

Sure. The canonical versions are available on ftp.armory.com; you might want to pick up the latest versions before modifying them.

John

On May 9, 1:36pm, Chet Ramey wrote:

Subject: ksh scripts
From: odin.ins.cwru.edu!chet Tue May  9 10:39:51 1995
Received: from odin.INS.CWRU.Edu by deepthought.armory.com id aa22336;
Hi. I'm the maintainer of bash (the GNU `Bourne Again shell') for the FSF.

I picked up a tar file of ksh scripts you wrote from an anon FTP site a while back. I'd like your permission to include modified versions of some of them in the next major bash distribution (with proper credit given, of course). Is it OK if I do that?

Chet Ramey

``The lyf so short, the craft so long to lerne." - Chaucer

Chet Ramey, Case Western Reserve University Internet: chet@po.CWRU.Edu

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* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/EventLoopGroup.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/nio/NioEventLoop.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/ChannelFuture.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/SingleThreadEventLoop.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/EventLoopGroup.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/nio/NioEventLoop.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/local/LocalChannelRegistry.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/socket/nio/package-info.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/nio/NioTask.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/group/DefaultChannelGroupFuture.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/ChannelHandlerContext.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/ChannelInitializer.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/NioEventLoopGroup.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/ChannelGroupFutureListener.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/group/ChannelGroupFuture.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/SucceededChannelFuture.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/ChannelFutureListener.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/ChannelPromise.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/ChannelOutboundHandlerAdapter.java

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* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/socket/oio/DefaultOioDatagramChannelConfig.java
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* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/bootstrap/FailedChannel.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/socket/ChannelOutputShutdownEvent.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/DelegatingChannelPromiseNotifier.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/io/io/OioByteStreamChannel.java

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jar/io/netty/channel/nio/SelectedSelectionKeySetSelector.java
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jar/io/netty/channel/socket/oio/OioDatagramChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-
jar/io/netty/channel/socket/oio/OioDatagramChannelInputShutdownReadComplete.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-
jar/io/netty/channel/internal/ChannelUtils.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-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 { @link 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:

```java
public interface Message {
    // your methods here
}

public class DataServerHandler extends SimpleChannelInboundHandler&lt;Message&gt; {

    private boolean loggedIn;

    @Override
    public void channelRead0(@link ChannelHandlerContext) ctx, Message message) {
        if (message instanceof LoginMessage) {
            authenticate((LoginMessage) message);
```
* loggedIn = true;
* } else (message instanceof GetDataMessage) {
*     if (loggedIn) {
*         ctx.writeAndFlush(fetchSecret((GetDataMessage) message));
*     } else {
*         fail();
*     }
* }
* ...
authenticate((LoginMessage) o);
<b>attr.set(true)</b>;

} else (message instanceof GetDataMessage) {
    if (<b>Boolean.TRUE.equals(attr.get())</b>) {
        ctx.writeAndFlush(fetchSecret((GetDataMessage) o));
    } else {
        fail();
    }
}

Now that the state of the handler is attached to the \link{ChannelHandlerContext}, you can add the same handler instance to different pipelines:

public class DataServerInitializer extends \link{ChannelInitializer}<\link{Channel}> {
    private static final DataServerHandler <b>SHARED</b> = new DataServerHandler();

    @Override
    public void initChannel(\link{Channel} channel) {
        channel.pipeline().addLast("handler", <b>SHARED</b>);
    }
}

The \code{@Sharable} annotation

In the example above which used an \link{AttributeKey}, you might have noticed the \code{@Sharable} annotation.

If a \link{ChannelHandler} is annotated with the \code{@Sharable} annotation, it means you can create an instance of the handler just once and add it to one or more \link{ChannelPipeline}s multiple times without a race condition.

If this annotation is not specified, you have to create a new handler instance every time you add it to a pipeline because it has unshared state such as member variables.

This annotation is provided for documentation purpose, just like the JCIP annotations.

Additional resources worth reading

Please refer to the \link{ChannelHandler}, and
* [ @link ChannelPipeline ] to find out more about inbound and outbound operations,
* what fundamental differences they have, how they flow in a pipeline, and how to handle
* the operation in your application.
*/

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* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/SimpleUserEventChannelHandler.java

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jar/io/netty/channel/group/DefaultChannelGroup.java
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* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-
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jar/io/netty/channel-group/ChannelGroup.java
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jar/io/netty/channel/ChannelId.java
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jar/io/netty/channel/MessageSizeEstimator.java
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jar/io/netty/channel/AbstractEventLoopGroup.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-
jar/io/netty/channel/group/ChannelGroup.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-
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* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-
jar/io/netty/channel/group/VoidChannelGroupFuture.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-
jar/io/netty/channel/SelectStrategyFactory.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-
jar/io/netty/channel/ChannelInboundInvoker.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-
jar/io/netty/bootstrap/BootstrapConfig.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-
jar/io/netty/bootstrap/ServerBootstrapConfig.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-
jar/io/netty/bootstrap/AbstractBootstrapConfig.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-
jar/io/netty/channel/DefaultSelectStrategy.java
1.999 go-criu 0.0.0-20190109184317-bdb7599cd87b

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* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/SelectStrategy.java
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when it starts in an interactive mode:

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## Source Code
The project maintains the following source code repositories:

* https://github.com/eclipse-ee4j/glassfish-ha-api
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1.1020 systemd 241-7~deb10u6

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name: Continuous Integration - License

on:
  push:
    branches: [ master ]
  pull_request:
    branches: [ master ]

jobs:
  check:
    name: Check
    runs-on: ubuntu-latest
    env:
      NG_CLI_ANALYTICS: ci
      GO111MODULE: on
      GOPROXY: "https://proxy.golang.org"
      NODE_OPTIONS: "--max-old-space-size=8192"
      TERM: xterm
    steps:
      - name: Setup Environment
        uses: actions/checkout@v2
        with:
          fetch-depth: 0

      - name: Setup NodeJS
        uses: actions/setup-node@v2.1.2
        with:
          node-version: 14.16.1

      - name: Cache Node Modules
        uses: actions/cache@v2
        env:
          cache-name: cache-node-modules
        with:
          path: node_modules
          key: ${{ runner.os }}-build-${{ env.cache-name }}-${{ hashFiles('**/package-lock.json') }}
- name: Install Dependencies
  shell: bash
  run: |
    [ ! -d "node_modules" ] &>& npm ci || node aio/scripts/version.mjs & command -v golangci-lint >/dev/null 2>&1 || { curl -sSL https://raw.githubusercontent.com/golangci/golangci-lint/master/install.sh | sh -s -- -b $(go env GOPATH)/bin v1.41.1; } &>& go mod download

- name: Check License
  shell: bash
  run: |
    export GOPATH=$(go env GOPATH)/bin
    npm run check:license

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goproperties - properties file decoder for Go

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1.1038 gofrs-uuid 3.2.0+incompatible
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1.1039 asm-tree 7.2
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1.1043 json-iterator-go 1.1.10
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1.1046 miekg-dns 1.1.8

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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1.1049 lvm2 2.02.185-2.el7atomix1

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* set/sockopt
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* by Mark Gates <mgates@nlanr.net>
* and Ajay Tirumalla <tirumala@ncsa.uiuc.edu>
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1.1056 swagger-core 2.1.7

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import: ../../../fossene/db/schema/thing.yml
fields:
  site: string
  author: root

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**1.1066 go-geom 1.3.6**

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1.1068 jackson-datatype-jdk8 2.9.9
1.1069 stacker 0.5.1-0.20200617215953-e1aeb02168d8
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1.1070 zlib 1.2.3
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/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.11, January 15th, 2017

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1.1071 coverage 3.6b3
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Metadata-Version: 1.1
Name: coverage
Version: 3.6b3
Summary: Code coverage measurement for Python
Home-page: http://nedbatchelder.com/code/coverage/3.6b3
Author: Ned Batchelder and others
Author-email: ned@nedbatchelder.com
License: BSD
Description: Coverage.py measures code coverage, typically during test execution. It uses
the code analysis tools and tracing hooks provided in the Python standard
library to determine which lines are executable, and which have been executed.

Coverage.py runs on Pythons 2.3 through 3.3, and PyPy 1.9.

Documentation is at `nedbatchelder.com <http://nedbatchelder.com/code/coverage/3.6b3>`_. Code repository
and issue tracker are at `bitbucket.org <http://bitbucket.org/ned/coveragepy>`_.

New in 3.6: ``--fail-under``, and >20 bugs closed.

New in 3.5: Branch coverage exclusions, keyboard shortcuts in HTML report.

New in 3.4: Better control over source to measure, and unexecuted files
can be reported.

New in 3.3: .coveragerc files.

New in 3.2: Branch coverage!

Keywords: code coverage testing
Platform: UNKNOWN
Classifier: Environment :: Console
Classifier: Intended Audience :: Developers
Classifier: License :: OSI Approved :: BSD License
Classifier: Operating System :: OS Independent
Classifier: Programming Language :: Python :: 2
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* Date: 5/15/2008
* @projectDescription Advanced and extensible data dumping for Javascript.
* @version 1.0.0
* @author Ariel Flesler
* @link {http://flesler.blogspot.com/2008/05/jsdump.pretty.dump.of.any.javascript.html}
/*
 * Javascript Diff Algorithm
 * By John Resig (http://ejohn.org/)
 * Modified by Chu Alan "sprite"
 * Released under the MIT license.
 * More Info:
 * http://ejohn.org/projects/javascript-diff-algorithm/
 * Usage: QUnit.diff(expected, actual)
 * QUnit.diff("the quick brown fox jumped over", "the quick fox jumps over") == "the quick <del>brown</del> fox <del>jumped</del><ins>jumps</ins> over"
 */

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1.1072 x-net 0.0.0-20200602114024-627f9648deb9

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1.1073 gmp 6.0.0 15.el7
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PACoMGBF/milter-regex-2.4.tar.gz-cosi-expand-archive-spTobCnu/milter-regex-2.4/milter-regex.c
No license file was found, but licenses were detected in source scan.

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  PAcoMGBF/milter-regex-2.4.tar.gz-cosi-expand-archive-spTobCnu/milter-regex-2.4/strlcat.c
* /opt/cola/permits/1157342317_1620869536.53/0/milter-regex-2.4-1.el7.src.rpm-cosi-expand-archive-
  PAcoMGBF/milter-regex-2.4.tar.gz-cosi-expand-archive-spTobCnu/milter-regex-2.4/strlcpy.c

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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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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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Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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This package contains a modified version of ca-bundle.crt:

ca-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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@(#) SRCSTfile: certdata.txt,v $Revision: 1.80 $ $Date: 2011/11/03 15:11:58 $
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For details about the Python License, please see doc/Python-License.txt.

History
-------

Before (and including) argparse 1.1, the argparse package was licensed under Apache License v2.0.

After argparse 1.1, all project files from the argparse project were deleted due to license compatibility issues between Apache License 2.0 and GNU GPL v2.

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From network_io/unix/inet_ntop.c, network_io/unix/inet_pton.c:

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From strings/apr_strnatcmp.c, include/apr_strings.h:

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.
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From strings/apr_snprintf.c:

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* cvt - IEEE floating point formatting routines.
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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.tomcat:tomcat-jasper
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org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.1115 xorm.io-xorm 0.8.1
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1.1116 simpleclient-servlet 0.6.0

1.1117 go-jose 2.3.1
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1.1120 jackson-dataformat-yaml 2.12.1
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1.1121 pcre 8.32 17.el7

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1.1122 pongo 0.0.0-20200529170236-5abacdfa4915

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**LZMA decompressor**:
src/lib/lzma/lzmadec.c

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2 November 2007

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1.1139 zookeeper-jute 3.6.3

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* /opt/cola/permits/1204625930_1631958758.34/0/zookeeper-jute-3-6-3-sources-jar/META-INF/maven/org.apache.zookeeper/zookeeper-jute/pom.xml

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 */
* /opt/cola/permits/1204625930_1631958758.34/0/zookeeper-jute-3-6-3-sources-jar/org/apache/jute/RecordWriter.java
* /opt/cola/permits/1204625930_1631958758.34/0/zookeeper-jute-3-6-3-sources-jar/org/apache/jute/compiler/JRecord.java
* /opt/cola/permits/1204625930_1631958758.34/0/zookeeper-jute-3-6-3-sources-jar/org/apache/jute/OutputArchive.java
* /opt/cola/permits/1204625930_1631958758.34/0/zookeeper-jute-3-6-3-sources-jar/org/apache/jute/ToStringOutputArchive.java

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* /opt/cola/permits/1204625930_1631958758.34/0/zookeeper-jute-3-6-3-sources-jar/org/apache/jute/compiler/generated/RccTokenManager.java
* /opt/cola/permits/1204625930_1631958758.34/0/zookeeper-jute-3-6-3-sources-jar/org/apache/jute/compiler/generated/ParseException.java
* /opt/cola/permits/1204625930_1631958758.34/0/zookeeper-jute-3-6-3-sources-jar/org/apache/jute/compiler/generated/Token.java
* /opt/cola/permits/1204625930_1631958758.34/0/zookeeper-jute-3-6-3-sources-jar/org/apache/jute/compiler/generated/Rcc.java
* /opt/cola/permits/1204625930_1631958758.34/0/zookeeper-jute-3-6-3-sources-jar/org/apache/jute/compiler/generated/TokenMgrError.java
* /opt/cola/permits/1204625930_1631958758.34/0/zookeeper-jute-3-6-3-sources-jar/org/apache/jute/compiler/generated/RccConstants.java
* /opt/cola/permits/1204625930_1631958758.34/0/zookeeper-jute-3-6-3-sources-jar/org/apache/jute/compiler/generated/SimpleCharStream.java

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* /opt/cola/permits/1204625930_1631958758.34/0/zookeeper-jute-3-6-3-sources-
  jar/org/apache/zookeeper/proto/SetSASLResponse.java
* /opt/cola/permits/1204625930_1631958758.34/0/zookeeper-jute-3-6-3-sources-
  jar/org/apache/zookeeper/server/quorum/QuorumPacket.java
* /opt/cola/permits/1204625930_1631958758.34/0/zookeeper-jute-3-6-3-sources-
  jar/org/apache/zookeeper/txn/ErrorTxn.java
* /opt/cola/permits/1204625930_1631958758.34/0/zookeeper-jute-3-6-3-sources-
  jar/org/apache/zookeeper/proto/CreateTTLRequest.java
* /opt/cola/permits/1204625930_1631958758.34/0/zookeeper-jute-3-6-3-sources-
  jar/org/apache/zookeeper/proto/GetMaxChildrenResponse.java
* /opt/cola/permits/1204625930_1631958758.34/0/zookeeper-jute-3-6-3-sources-
  jar/org/apache/zookeeper/proto/SyncResponse.java
* /opt/cola/permits/1204625930_1631958758.34/0/zookeeper-jute-3-6-3-sources-
  jar/org/apache/zookeeper/txn/DeleteTxn.java
* /opt/cola/permits/1204625930_1631958758.34/0/zookeeper-jute-3-6-3-sources-
  jar/org/apache/zookeeper/txn/MultiTxn.java
* /opt/cola/permits/1204625930_1631958758.34/0/zookeeper-jute-3-6-3-sources-
  jar/org/apache/zookeeper/data/Stat.java
* /opt/cola/permits/1204625930_1631958758.34/0/zookeeper-jute-3-6-3-sources-
  jar/org/apache/zookeeper/proto/GetEphemeralsResponse.java
* /opt/cola/permits/1204625930_1631958758.34/0/zookeeper-jute-3-6-3-sources-
  jar/org/apache/zookeeper/proto/ReplyHeader.java
* /opt/cola/permits/1204625930_1631958758.34/0/zookeeper-jute-3-6-3-sources-
  jar/org/apache/zookeeper/proto/SetACLRequest.java
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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) {
        }
    }
    try {
        curFile.genCode(language, new File("."));
    } catch (IOException e) {
        System.out.println(e.toString());
        System.exit(1);
    }
}

PARSER_END(Rcc)

SKIP:
{
    = =
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 rname;
    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>
    <LT_TKN>
    jt = Type()
    <GT_TKN>
    { return new JVector(jt); }
}

Found in path(s):
* /opt/cola/permits/1204625930_1631958758.34/0/zookeeper-jute-3-6-3-sources-jar/org/apache/jute/compiler/generated/rcc.jj

1.1140 googleapis-gnostic 0.0.0-20170729233727-0c5108395e2d

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import: ../../../../fossene/db/schema/thing.yml

fields:
  site: string
  author: root

1.1149 jetty-util 9.4.27.v20200227
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* java.sun.security.ssl

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org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

The UnixCrypt.java code implements the one way cryptography used by
Open Source Used In ND-NODE v2.1.2b 12569

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1.1150 netty-transport-native-epoll

4.1.51.Final

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jar/io/netty/channel/epoll/AbstractEpollStreamChannel.java
* /opt/ws_local/PERMITS_SQL/1075084041_1596044813.39/0/netty-transport-native-epoll-4-1-51-final-sources-
jar/io/netty/channel/epoll/EpollDomainSocketChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1075084041_1596044813.39/0/netty-transport-native-epoll-4-1-51-final-sources-
jar/io/netty/channel/epoll/EpollChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1075084041_1596044813.39/0/netty-transport-native-epoll-4-1-51-final-sources-
jar/io/netty/channel/epoll/EpollEventArray.java
* /opt/ws_local/PERMITS_SQL/1075084041_1596044813.39/0/netty-transport-native-epoll-4-1-51-final-sources-
jar/io/netty/channel/epoll/EpollServerDomainSocketChannel.java
* /opt/ws_local/PERMITS_SQL/1075084041_1596044813.39/0/netty-transport-native-epoll-4-1-51-final-sources-
jar/io/netty/channel/epoll/EpollMode.java
* /opt/ws_local/PERMITS_SQL/1075084041_1596044813.39/0/netty-transport-native-epoll-4-1-51-final-sources-
jar/io/netty/channel/epoll/TcpMd5Util.java
* /opt/ws_local/PERMITS_SQL/1075084041_1596044813.39/0/netty-transport-native-epoll-4-1-51-final-sources-
jar/io/netty/channel/epoll/EpollRecvByteAllocatorStreamingHandle.java
* /opt/ws_local/PERMITS_SQL/1075084041_1596044813.39/0/netty-transport-native-epoll-4-1-51-final-sources-
jar/io/netty/channel/epoll/AbstractEpollServerChannel.java
* /opt/ws_local/PERMITS_SQL/1075084041_1596044813.39/0/netty-transport-native-epoll-4-1-51-final-sources-jar/io/netty/channel/epoll/EpollServerChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1075084041_1596044813.39/0/netty-transport-native-epoll-4-1-51-final-sources-jar/io/netty/channel/epoll/EpollRecvByteAllocatorHandle.java
* /opt/ws_local/PERMITS_SQL/1075084041_1596044813.39/0/netty-transport-native-epoll-4-1-51-final-sources-jar/io/netty/channel/epoll/EpollDomainSocketChannel.java
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 * Keys can only be set on, not read to prevent a potential leak, as they are confidential.
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 * Set the {@code TCP_QUICKACK} option on the socket. See <a href="http://linux.die.net/man/7/tcp">TCP_QUICKACK</a>
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* /opt/ws_local/PERMITS_SQL/1075084041_1596044813.39/0/netty-transport-native-epoll-4-1-51-final-sources-
jar/io/netty/channel/epoll/EpollDatagramChannel.java
* /opt/ws_local/PERMITS_SQL/1075084041_1596044813.39/0/netty-transport-native-epoll-4-1-51-final-sources-
jar/io/netty/channel/epoll/Epoll.java
* /opt/ws_local/PERMITS_SQL/1075084041_1596044813.39/0/netty-transport-native-epoll-4-1-51-final-sources-
jar/io/netty/channel/epoll/package-info.java
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jar/io/netty/channel/epoll/EpollServerSocketChannel.java
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jar/io/netty/channel/epoll/EpollEventLoop.java
* /opt/ws_local/PERMITS_SQL/1075084041_1596044813.39/0/netty-transport-native-epoll-4-1-51-final-sources-
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* /opt/ws_local/PERMITS_SQL/1075084041_1596044813.39/0/netty-transport-native-epoll-4-1-51-final-sources-
jar/io/netty/channel/epoll/AbstractEpollChannel.java
* /opt/ws_local/PERMITS_SQL/1075084041_1596044813.39/0/netty-transport-native-epoll-4-1-51-final-sources-
jar/io/netty/channel/epoll/EpollSocketChannel.java
* /opt/ws_local/PERMITS_SQL/1075084041_1596044813.39/0/netty-transport-native-epoll-4-1-51-final-sources-
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* /opt/ws_local/PERMITS_SQL/1075084041_1596044813.39/0/netty-transport-native-epoll-4-1-51-final-sources-jar/netty_epoll_linuxsocket.h
1.1151 bridgeutils 1.7.1

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1.1154 javax-websocket-server-impl
9.4.27.v20200227

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

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The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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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) $(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-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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Index: tdba/tdb.c
===================================================================
--- tdba.orig/tdb.c
+++ tdba/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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mpi/hppa1.1/mpih-mul2.S,
mpi/hppa1.1/mpih-mul1.S, mpi/Makefile.am, tests/prime.c,
tests/register.c, tests/ac.c, tests/basic.c, tests/tsexp.c,
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Libgcrypt used to be part of GnuPG but has been taken out into its own package on 2000-12-21.

Most of the stuff in mpi has been taken from an old GMP library version by Torbjorn Granlund <tege@noisy.tmg.se>.

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The ECC code cipher/ecc.c was based on code by Sergi Blanch i Torne, sergi at calcurco dot org.

The implementation of the Camellia cipher has been taken from the original NTT provided GPL source.

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1.1168 simpleclient 0.10.0

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1.1169 gtk 2.24.28 8.el7

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That's all there is to it!
1.1170 go-runtime 1.16.7

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#
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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.
As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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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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Ty Coon, President of Vice
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That's all there is to it!

@c @bye
1.1180 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 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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1.1181 google-go-cmp 0.3.0

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1.1182 hibernate-commons-annotations

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org.springframework.core.ReactiveAdapterRegistry$SpringCoreBlockHoundIntegration

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* /opt/ws_local/PERMITS_SQL/1068412446_1594388588.58/0/spring-core-5-2-5-release-sources-1.jar/org/springframework/core/ReactiveTypeDescriptor.java
* /opt/ws_local/PERMITS_SQL/1068412446_1594388588.58/0/spring-core-5-2-5-release-sources-1.jar/org/springframework/core/log/CompositeLog.java
* /opt/ws_local/PERMITS_SQL/1068412446_1594388588.58/0/spring-core-5-2-5-release-sources-1.jar/org/springframework/core/env/PropertiesPropertySource.java
* /opt/ws_local/PERMITS_SQL/1068412446_1594388588.58/0/spring-core-5-2-5-release-sources-1.jar/org/springframework/core/SortedProperties.java
* /opt/ws_local/PERMITS_SQL/1068412446_1594388588.58/0/spring-core-5-2-5-release-sources-1.jar/org/springframework/core/annotation/NonNullFields.java
* /opt/ws_local/PERMITS_SQL/1068412446_1594388588.58/0/spring-core-5-2-5-release-sources-1.jar/org/springframework/core/convert/support/StringToUUIDConverter.java
* /opt/ws_local/PERMITS_SQL/1068412446_1594388588.58/0/spring-core-5-2-5-release-sources-1.jar/org/springframework/lang/NonNull.java
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* /opt/ws_local/PERMITS_SQL/1068412446_1594388588.58/0/spring-core-5-2-5-release-sources-1.jar/org/springframework/core/type/classreading/SimpleMethodMetadata.java
* /opt/ws_local/PERMITS_SQL/1068412446_1594388588.58/0/spring-core-5-2-5-release-sources-1.jar/org/springframework/core/log/LogMessage.java
* /opt/ws_local/PERMITS_SQL/1068412446_1594388588.58/0/spring-core-5-2-5-release-sources-1.jar/org/springframework/core/annotation/AnnotationsProcessor.java
* /opt/ws_local/PERMITS_SQL/1068412446_1594388588.58/0/spring-core-5-2-5-release-sources-1.jar/org/springframework/core/annotation/PackagesAnnotationFilter.java
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* /opt/ws_local/PERMITS_SQL/1068412446_1594388588.58/0/spring-core-5-2-5-release-sources-1.jar/org/springframework/core/io/buffer/DefaultDataBuffer.java
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* /opt/ws_local/PERMITS_SQL/1068412446_1594388588.58/0/spring-core-5-2-5-release-sources-1.jar/org/springframework/core/annotation/TypeMappedAnnotations.java
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1.1190 aws-sdk-go 1.29.15

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1.1192 pkg-sftp v1.13.4

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1.1193 perl-text-parsewords 3.29 4.el7

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1.1194 gogoprotobuf 1.3.0

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1.1195 libtool 2.4.2 21.el7_2
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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

------
Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following   
artifacts may be included in the distribution or downloaded when ALPN  
module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications   
are hosted at github and both modified and original are under GPL v2 with  
classpath exceptions.  
http://openjdk.java.net/legal/gplv2+ce.html

------
OW2

The following artifacts are licensed by the OW2 Foundation according to the  
terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons  
org.ow2.asm:asm

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Apache

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org.apache.taglibs:taglibs-standard-spec  
org.apache.taglibs:taglibs-standard-impl

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MortBay

The following artifacts are ASL2 licensed. Based on selected classes from  
following Apache Tomcat jars, all ASL2 licensed.
org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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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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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
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and installation of the library.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

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20201204214525-af46c47ce925
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1.1221 lockfile 0.12.2

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1.1222 python-ipaddress 1.0.16 2.el7
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Julian Seward, jsward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

---------------------------------------------------------------
---
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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<signature of Ty Coon>, 1 April 1989
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The End
#!perl

=head1 NAME

copyright.t

=head1 DESCRIPTION

Tests that the latest copyright years in the top-level README file and the C<perl -v> output match each other.

If the test fails, update at least one of README and perl.c so that they match reality.

Optionally you can pass the C<--now> option to check they are at the current year. This isn't checked by default, so that it doesn't fail for people working on older releases. It should be run before making a new release.

=cut

use strict;
use Config;
BEGIN { require './test.pl' }

if ( $Config{'usecrosscompile'} ) {
  skip_all( "Not all files are available during cross-compilation" );
}

my ($opt) = @ARGV;

my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so # that tests still pass for people intentionally working on older versions:
if ($opt eq '--now')
{
  my $current_year = (gmtime)[5] + 1900;
  is $v_year, $current_year, 'perl -v copyright includes current year';
  is $readme_year, $current_year, 'README copyright includes current year';
}

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{
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1.1235 apex-log 1.4.0

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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 );
 * 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>
Note, according to RFC3548, 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(String, int, ClassLoader)` method.
- v2.3.3 - Changed default char encoding to US-ASCII which reduces the internal Java footprint with its
Open Source Used In ND-NODE v2.1.2b

CharEncoders and so forth. Fixed some javadocs that were inconsistent. Removed imports and specified things like java.io.IOException explicitly

* inline.</li>
* <li>v2.3.2 - Reduced memory footprint! Finally refined the "guessing" of how big the final encoded data will be so that the
* code doesn't have to create two output arrays: an oversized initial one and then a final, exact-sized one. Big win when using
* the [@link #encodeBytesToBytes(byte[])] family of methods (and not using the gzip options which uses a different mechanism
* with streams and stuff).</li>
* <li>v2.3.1 - Added [@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.</li>
* <li>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.</li>
* <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.IOException 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</li>
* <li>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. This was especially annoying before for people who
* were thorough in their own projects and then had gobs of javadoc warnings on this file.</li>
* <ul>
* <li>v2.2.1 - Fixed bug using URL_SAFE and ORDERED encodings. Fixed bug when using very small files (~&lt; 40 bytes).</li>
* <li>v2.2 - Added some helper methods for encoding/decoding directly from one file to the next. Also added a main() method to
* support command line encoding/decoding from one file to the next. Also added these Base64 dialects:
* The default is RFC3548 format.

* 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/rfcc-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 (int<tt>s that you "OR" together).

* v1.5.1 - Fixed bug when decompressing and decoding to a byte[] using decode( String s, boolean gzipCompressed ).

* Added the ability to "suspend" encoding in the Output Stream so you can turn on and off the encoding if you need to embed base64 data in an otherwise "normal" stream (like an XML file).

* v1.5 - Output stream passes on flush() command but doesn't do anything itself. This helps when using GZIP streams. Added the ability to GZip-compress objects before encoding them.

* v1.4 - Added helper methods to read/write files.

* v1.3.6 - Fixed OutputStream.flush() so that 'position' is reset.

* v1.3.5 - Added flag to turn on and off line breaks. Fixed bug in input stream where last buffer being read, if not completely full, was not returned.

* v1.3.4 - Fixed when "improperly padded stream" error was thrown at the wrong time.

* v1.3.3 - Fixed I/O streams which were totally messed up.

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* @author Robert Harder
* @author rob@iharder.net
* @version 2.3.7
*/

Found in path(s):
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/websockets/core/protocol/version07/Base64.java
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#
io.undertow.protocols.ssl.SNIAlpnEngineManager
io.undertow.protocols.alpn.DefaultAlpnEngineManager

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* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/META-INF/services/io.undertow.protocols.alpn.ALPNEngineManager
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/**
* An extension to \{@link AbstractConfidentialityHandler\} that uses the Host header from the incoming message
and specifies the
* confidential address by just switching the port.
* 
* @author <a href="mailto:darran.lofthouse@jboss.com">Darran Lofthouse</a
*/

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  jar/io/undertow/protocols/ssl/SNIContextMatcher.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
  jar/io/undertow/protocols/ssl/SNIAlpnEngineManager.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
  jar/io/undertow/protocols/ssl/SNISSLEngine.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
  jar/io/undertow/protocols/alpn/DefaultAlpnEngineManager.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
  jar/io/undertow/protocols/alpn/ALPNEngineManager.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
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  jar/io/undertow/server/handlers/cache/DirectBufferCache.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
  jar/io/undertow/protocols/alpn/OpenSSLAlpnProvider.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
  jar/io/undertow/attribute/ResponseCookieAttribute.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
  jar/io/undertow/security/impl/SecurityContextImpl.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow/attribute/RequestPathAttribute.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow/websockets/core/WebSocketLogger.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
  jar/io/undertow/util/PathTemplate.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
  jar/io/undertow/server/handlers/encoding/ContentEncodingRepository.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
  jar/io/undertow/server/handlers/proxy/ExclusivityChecker.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
  jar/io/undertow/conduits/ConduitListener.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
  jar/io/undertow/attribute/ExchangeAttributeParser.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
  jar/io/undertow/server/session/SessionConfig.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
  jar/io/undertow/server/handlers/LearningPushHandler.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow/UndertowLogger.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
  jar/io/undertow/server/handlers/NameVirtualHostHandler.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
  jar/io/undertow/attribute/IdentUsernameAttribute.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow/server/protocol/http2/Http2ServerConnection.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
  jar/io/undertow/security/handlers/AuthenticationCallHandler.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-websockets/core/WebSocketFrameType.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
  jar/io/undertow/protocols/http2/Http2StreamSinkChannel.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
jar/io/undertow/server/handlers/resource/URLResource.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
jar/io/undertow/server/handlers/form/FormEncodedDataDefinition.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
jar/io/undertow/security/impl/SimpleNonceManager.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
jar/io/undertow/server/handlers/resource/FileResource.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
jar/io/undertow/server/protocol/http2/Http2OpenListener.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
jar/io/undertow/server/handlers/PeerNameResolvingHandler.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
jar/io/undertow/websockets/core/WebSocketCallback.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
jar/io/undertow/conduits/ChunkedStreamSourceConduit.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow/attribute/SslSessionIdAttribute.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow/attribute/ReadOnlyAttributeException.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
jar/io/undertow/protocols/http2/Http2HpackException.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
jar/io/undertow/client/ajp/AjpClientExchange.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
jar/io/undertow/security/impl/ClientCertAuthenticationMechanism.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
jar/io/undertow/server/handlers/ResponseRateLimitingHandler.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
jar/io/undertow/server/handlers/resource/Resource.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/server/handlers/accesslog/LogFileHeaderGenerator.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow/protocols/http2/AbstractHttp2StreamSourceChannel.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/security/idm/Account.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/server/handlers/AllowedMethodsHandler.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/server/JvmRouteHandler.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-server/handlers/HttpUpgradeHandshake.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/websockets/core/BinaryOutputStream.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/server/handlers/RedirectHandler.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/server/handlers/AttachmentHandler.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/attribute/RequestURLAttribute.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/security/api/AuthenticationMechanismFactory.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/attribute/ThreadNameAttribute.java
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* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/util/ConnectionUtils.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow/websockets/WebSocketConnectionCallback.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/attribute/CookieAttribute.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/attribute/HostAndPortAttribute.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/server/session/SessionAttachmentHandler.java
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* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/server/AggregateConnectorStatistics.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/websockets/core/AbstractReceiveListener.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/conduits/PreChunkedStreamSinkConduit.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/server/handlers/proxy/LoadBalancingProxyClient.java
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* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/server/protocol/framed/AbstractFramedStreamSinkChannel.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/server/protocol/ajp/AjpRequestParseState.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/util/AttachmentKey.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/conduits/RangeStreamSinkConduit.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/predicate/PathSuffixPredicate.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2.0.26-final-sources-jar/io/undertow/server/protocol/http/ParseState.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2.0.26-final-sources-jar/io/undertow/predicate/PredicateParser.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2.0.26-final-sources-jar/io/undertow/websockets/extensions/PerMessageDeflateFunction.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2.0.26-final-sources-jar/io/undertow/websockets/core/protocol/version07/Hybi07Handshake.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2.0.26-final-sources-jar/io/undertow/attribute/NullAttribute.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2.0.26-final-sources-jar/io/undertow/server/handlers/HttpTraceHandler.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/client/ajp/AjpClientConnection.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/server/handlers/builder/PredicatedHandler.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/util/MimeMappings.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/conduits/ReadDataStreamSourceConduit.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/util/StringReadChannelListener.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/security/api/AuthenticatedSessionManager.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/attribute/SslClientCertAttribute.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-websockets/core/WebSocketMessages.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/conduits/RateLimitingStreamSinkConduit.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/predicate/MethodPredicate.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/server/handlers/Cookie.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/server/handlers/URLDecodingHandler.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/predicate/MaxContentSizePredicate.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-server/protocol/http/ALPNBannedCiphers.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-server/protocol/ajp/AjpRequestParser.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/attribute/SslCipherAttribute.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/server/session/PathParameterSessionConfig.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow/websockets/core/protocol/version08/WebSocket08Channel.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/predicate/PathPrefixPredicate.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/server/handlers/proxy/ProxyConnectionPool.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/server/handlers/resource/PreCompressedResourceSupplier.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/server/protocol/framed/AbstractFramedChannel.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/server/handlers/resource/PreCompressedResourceSupplier.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/server/handlers/resource/PreCompressedResourceSupplier.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/server/handlers/resource/PreCompressedResourceSupplier.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/client/PushCallback.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/server/protocol/framed/AbstractFramedChannel.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/server/ListenerRegistry.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/attribute/LocalServerNameAttribute.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/server/ServerConnection.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/conduits/FinishableStreamSourceConduit.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/protocols/alpn/ALPNManager.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/attribute/LocalPortAttribute.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/server/session/SecureRandomSessionIdGenerator.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/util/ConduitFactory.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/conduits/ReadTimeoutStreamSourceConduit.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/server/session/SessionIdGenerator.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/websockets/core/function/ChannelFunctionReadableByteChannel.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/util/ImmediatePooled.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/security/idm/GSSContextCredential.java
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* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/conduits/BrokenStreamSourceConduit.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-websockets/core/WebSocketFrameCorruptedException.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-security/api/AuthenticationMechanism.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/io/BlockingSenderImpl.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/server/protocol/framed/FramePriority.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/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/META-INF/services/io.undertow.protocols.alpn.ALPNProvider

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jar/jar/io/undertow/server/handlers/proxy/mod_cluster/ModClusterProxyTarget.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
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jar/jar/io/undertow/server/handlers/proxy/mod_cluster/NodeHealthChecker.java
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jar/jar/io/undertow/server/handlers/proxy/mod_cluster/NodeLbStatus.java
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jar/jar/io/undertow/server/handlers/proxy/mod_cluster/MCMPWebManager.java
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jar/jar/io/undertow/server/handlers/proxy/mod_cluster/MCPMConstants.java
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jar/jar/io/undertow/server/handlers/proxy/ConnectionPoolErrorHandler.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
jar/jar/io/undertow/server/handlers/proxy/mod_cluster/Node.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
jar/jar/io/undertow/server/handlers/proxy/mod_cluster/NodeConfig.java
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  jar/io/undertow/attribute/RemoteObfuscatedIPAttribute.java
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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/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
jar/io/undertow/security/handlers/AbstractConfidentialityHandler.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/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
jar/io/undertow/util/PortableConcurrentDirectDeque.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
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Found in path(s):
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
jar/io/undertow/security/impl/AbstractSecurityContext.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
jar/io/undertow/security/api/AuthenticationMechanismContext.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
jar/io/undertow/security/handlers/AbstractSecurityContextAssociationHandler.java
1.1237 x-tools 0.0.0-20191029190741-b9c20aec41a5

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1.1238 x-term 0.0.0-20201126162022-7de9c90e9dd1

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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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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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23-June-2007

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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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c) If distribution of the work is made by offering access to copy
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d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
# This is a Makefile stub which handles the creation of BSD shared libraries.

# In order to use this stub, the following makefile variables must be defined.

# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)

all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$ (BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) `echo $(my_dir) | sed -e 's;lib/;;'"/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \ $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB) \ @-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$ (BSD_LIB)
This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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Gadi Oxman, August 1995

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1.1245 xz 5.2.2-1.el7.0atomix1
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c ispell-local-pdict: "ispell-dict"
c End:
(This file is under construction.)*- text -*.

If you've contributed to gas and your name isn't listed here, it is
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the documentation, and info on specific files will go into an AUTHORS
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++++++++++++++++

Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for
gdb-specific debug information and the 68k series machines, most of
the preprocessing pass, and extensive changes in messages.c,
input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various enhancements and many bug fixes, including merging support for several processors, breaking gas up to handle multiple object file format backends (including heavy rewrite, testing, an integration of the coff and b.out backends), adding configuration including heavy testing and verification of cross assemblers and file splits and renaming, converted gas to strictly ansi C including full prototypes, added support for m680[34]0 & cpu32, considerable work on i960 including a coff port (including considerable amounts of reverse engineering), a sparc opcode file rewrite, decstation, rs6000, and hp300hpux host ports, updated "know" assertions and made them work, much other reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan. Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 68k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

Keith Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support that hasn't been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.
Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

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Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be
allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation
and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square
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Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
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compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or
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
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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c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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@appendixsubsec Preamble

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When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

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We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

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(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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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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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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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.

1.1253 libxau 1.0.8-2.1.el7

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1.1254 pyudev 0.15

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PACKAGE

package goautoneg
import "bitbucket.org/ww/goautoneg"

HTTP Content-Type Autonegotiation.

The functions in this package implement the behaviour specified in
http://www.w3.org/Protocols/rfc2616/rfc2616-sec14.html

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FUNCTIONS
func Negotiate(header string, alternatives []string) (content_type string)
Negotiate the most appropriate content_type given the accept header
and a list of alternatives.

func ParseAccept(header string) (accept []Accept)
Parse an Accept Header string returning a sorted list
of clauses

TYPES

type Accept struct {
    Type, SubType string
    Q         float32
    Params  map[string]string
}
Structure to represent a clause in an HTTP Accept Header

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Go support for Protocol Buffers - Google's data interchange format

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https://github.com/golang/protobuf

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1.1260 opensaml-messaging-impl 3.3.0

1.1261 urllib3 1.25.8
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# Contributions to the urllib3 project

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## Contributors

In chronological order:

* victor.vde <http://code.google.com/u/victor.vde/>
  * HTTPS patch (which inspired HTTPSConnectionPool)

* erikcederstrand <http://code.google.com/u/erikcederstrand/>
  * NTLM-authenticated HTTPSConnectionPool
  * Basic-authenticated HTTPSConnectionPool (merged into make_headers)

* niphlod <niphlod@gmail.com>
  * Client-verified SSL certificates for HTTPSConnectionPool
  * Response gzip and deflate encoding support
  * Better unicode support for filepost using StringIO buffers

* btoconnor <brian@btoconnor.net>
  * Non-multipart encoding for POST requests

* p.dobrogost <http://code.google.com/u/@WBRSRIBZDhBFXQB6/>
  * Code review, PEP8 compliance, benchmark fix

* kennethreitz <me@kennethreitz.com>
* Bugfixes, suggestions, Requests integration

* georgemarshall <https://github.com/georgemarshall>
* Bugfixes, Improvements and Test coverage

* Thomas Kluyver <thomas@kluyver.me.uk>
* Python 3 support

* brandon-rhodes <http://rhodesmill.org/brandon>
* Design review, bugfixes, test coverage.

* studer <theo.studer@gmail.com>
* IPv6 url support and test coverage

* Shivaram Lingamneni <slingam@cs.stanford.edu>
* Support for explicitly closing pooled connections

* hartator <hartator@gmail.com>
* Corrected multipart behavior for params

* Thomas Weischuh <thomas@t-8ch.de>
* Support for TLS SNI
* API unification of ssl_version/cert_reqs
* SSL fingerprint and alternative hostname verification
* Bugfixes in testsuite

* Sune Kirkeby <mig@ibofobi.dk>
* Optional SNI-support for Python 2 via PyOpenSSL.

* Marc Schlaich <marc.schlaich@gmail.com>
* Various bugfixes and test improvements.

* Bryce Boe <bbzbryce@gmail.com>
* Correct six.moves conflict
* Fixed pickle support of some exceptions

* Boris Figovskiy <boris.figovskiy@ravellosystems.com>
* Allowed to skip SSL hostname verification

* Cory Benfield <https://lukasa.co.uk/about/>
* Stream method for Response objects.
* Return native strings in header values.
* Generate 'Host' header when using proxies.

* Jason Robinson <jaywink@basshero.org>
* Add missing WrappedSocket.fileno method in PyOpenSSL

* Audrius Butkevicius <audrius.butkevicius@elastichosts.com>
* Fixed a race condition

* Stanislav Vitkovskiy <stas.vitkovsky@gmail.com>
* Added HTTPS (CONNECT) proxy support

* Stephen Holsapple <sholsapp@gmail.com>
* Added abstraction for granular control of request fields

* Martin von Gagern <Martin.vGagern@gmx.net>
* Support for non-ASCII header parameters

* Kevin Burke <kev@inburke.com> and Pavel Kirichenko <juanych@yandex-team.ru>
* Support for separate connect and request timeouts

* Peter Waller <p@pwaller.net>
* HTTPResponse.tell() for determining amount received over the wire

* Nipunn Koorapati <nipunn1313@gmail.com>
* Ignore default ports when comparing hosts for equality

* Danilo @dbrgn <https://dbrgn.ch/>
* Disabled TLS compression by default on Python 3.2+
* Disabled TLS compression in pyopenssl contrib module
* Configurable cipher suites in pyopenssl contrib module

* Roman Bogorodskiy <roman.bogorodskiy@ericsson.com>
* Account retries on proxy errors

* Nicolas Delaby <nicolas.delaby@ezeep.com>
* Use the platform-specific CA certificate locations

* Josh Schneier <https://github.com/jschneier>
* HTTPHeaderDict and associated tests and docs
* Bugfixes, docs, test coverage

* Tahia Khan <http://tahia.tk/>
* Added Timeout examples in docs

* Arthur Grunseid <https://grunseid.com>
* source_address support and tests (with https://github.com/bui)

* Ian Cordasco <graffatcolmingov@gmail.com>
* PEP8 Compliance and Linting
* Add ability to pass socket options to an HTTP Connection

* Erik Tollerud <erik.tollerud@gmail.com>
* Support for standard library io module.
* Krishna Prasad <kprasad.iitd@gmail.com>
  * Google App Engine documentation

* Aaron Meurer <asmeurer@gmail.com>
  * Added Url.url, which unparses a URL

* Evgeny Kapun <abacabadabacaba@gmail.com>
  * Bugfixes

* Benjamen Meyer <bm_witness@yahoo.com>
  * Security Warning Documentation update for proper capture

* Shivan Sornarajah <github@sornars.com>
  * Support for using ConnectionPool and PoolManager as context managers.

* Alex Gaynor <alex.gaynor@gmail.com>
  * Updates to the default SSL configuration

* Tomas Tomecek <ttomecek@redhat.com>
  * Implemented generator for getting chunks from chunked responses.

* tlynn <https://github.com/tlynn>
  * Respect the warning preferences at import.

* David D. Riddle <ddriddle@illinois.edu>
  * IPv6 bugfixes in testsuite

* Thea Flowers <magicalgirl@google.com>
  * App Engine environment tests.
  * Documentation re-write.

* John Krauss <https://github.com/talos>
  * Clues to debugging problems with `cryptography` dependency in docs

* Disassem <https://github.com/Disassem>
  * Fix pool-default headers not applying for url-encoded requests like GET.

* James Atherfold <jlatherfold@hotmail.com>
  * Bugfixes relating to cleanup of connections during errors.

* Christian Pedersen <https://github.com/chripede>
  * IPv6 HTTPS proxy bugfix

* Jordan Moldow <https://github.com/jmoldow>
  * Fix low-level exceptions leaking from `HTTPResponse.stream()`.
  * Bugfix for `ConnectionPool.urlopen(release_conn=False)`.
  * Creation of `HTTPConnectionPool.ResponseCls`.
* Predrag Gruevski <https://github.com/obi1kenobi>
  * Made cert digest comparison use a constant-time algorithm.

* Adam Talsma <https://github.com/a-tal>
  * Bugfix to ca_cert file paths.

* Evan Meagher <https://evanmeagher.net>
  * Bugfix related to `memoryview` usage in PyOpenSSL adapter

* John Vandenberg <jayvdb@gmail.com>
  * Python 2.6 fixes; pyflakes and pep8 compliance

* Andy Caldwell <andy.m.caldwell@googlemail.com>
  * Bugfix related to reusing connections in indeterminate states.

* Ville Skytt <ville.skytta@iki.fi>
  * Logging efficiency improvements, spelling fixes, Travis config.

* Shige Takeda <smtakeda@gmail.com>
  * Started Recipes documentation and added a recipe about handling concatenated gzip data in HTTP response

* Jess Shapiro <jesse@jesseshapiro.net>
  * Various character-encoding fixes/tweaks
  * Disabling IPv6 DNS when IPv6 connections not supported

* David Foster <http://dafoster.net/>  
  * Ensure order of request and response headers are preserved.

* Jeremy Cline <jeremy@jcline.org>
  * Added connection pool keys by scheme

* Aviv Palivoda <palaviv@gmail.com>
  * History list to Retry object.
  * HTTPResponse contains the last Retry object.

* Nate Prewitt <nate.prewitt@gmail.com>
  * Ensure timeouts are not booleans and greater than zero.
  * Fixed infinite loop in `stream` when amt=None.
  * Added length_remaining to determine remaining data to be read.
  * Added enforce_content_length to raise exception when incorrect content-length received.

* Seth Michael Larson <sethmichaellarson@protonmail.com>
  * Created selectors backport that supports PEP 475.

* Alexandre Dias <alex.dias@smarkets.com>
  * Don't retry on timeout if method not in whitelist

* Moinuddin Quadri <moin18@gmail.com>
* Lazily load idna package

* Tom White <s6yg1ez3@mail2tor.com>
  * Made SOCKS handler differentiate socks5h from socks5 and socks4a from socks4.

* Tim Burke <tim.burke@gmail.com>
  * Stop buffering entire deflate-encoded responses.

* Tuukka Mustonen <tuukka.mustonen@gmail.com>
  * Add counter for status_forcelist retries.

* Erik Rose <erik@mozilla.com>
  * Bugfix to pyopenssl vending

* Wolfgang Richter <wolfgang.richter@gmail.com>
  * Bugfix related to loading full certificate chains with PyOpenSSL backend.

* Mike Miller <github@mikeage.net>
  * Logging improvements to include the HTTP(S) port when opening a new connection

* Ioannis Tziakos <mail@itziakos.gr>
  * Fix `util.selectors._fileobj_to_fd` to accept `long`.
  * Update appveyor tox setup to use the 64bit python.

* Akamai (through Jess Shapiro) <jshapiro@akamai.com>
  * Ongoing maintenance; 2017-2018

* Dominique Leuenberger <dimstar@opensuse.org>
  * Minor fixes in the test suite

* Will Bond <will@wbond.net>
  * Add Python 2.6 support to `contrib.securetransport`

* Aleksei Alekseev <alekseev.yeskela@gmail.com>
  * using auth info for socks proxy

* Chris Wilcox <git@crwilcox.com>
  * Improve contribution guide
  * Add `HTTPResponse.geturl` method to provide `urllib2.urlopen().geturl()` behavior

* Bruce Merry <https://www.brucemerry.org.za>
  * Fix leaking exceptions when system calls are interrupted with zero timeout

* Hugo van Kemenade <https://github.com/hugovk>
  * Drop support for EOL Python 2.6

* Tim Bell <https://github.com/timb07>
  * Bugfix for responses with Content-Type: message/* logging warnings
* Justin Bramley <https://github.com/jbramleycl>
  * Add ability to handle multiple Content-Encodings

* Katsuhiko YOSHIDA <https://github.com/kyoshidajp>
  * Remove Authorization header regardless of case when redirecting to cross-site

* James Meickle <https://permadeath.com/>
  * Improve handling of Retry-After header

* Chris Jerdonek <chris.jerdonek@gmail.com>
  * Remove a spurious TypeError from the exception chain inside
    HTTPConnectionPool._make_request(), also for BaseExceptions.

* [Your name or handle] <[email or website]>  
  * [Brief summary of your changes]

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* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/metadata/aggregated/CascadingMetaDataBuilder.java
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* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/Cfg/notempty/NotEmptyValidatorForArraysOfFloat.java
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* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/Cfg/valueextraction/ValueExtractorDescriptor.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/cfg/defs/PastOrPresentDef.java
* /opt/cola/permits/110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/constraintvalidators/bv/time/past/PastValidatorForMinguoDate.java
* /opt/cola/permits/110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/constraints/LuhnCheck.java
* /opt/cola/permits/110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/constraints/CreditCardNumber.java
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* /opt/cola/permits/110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/xml/config/BootstrapConfigurationImpl.java
* /opt/cola/permits/110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/constraintvalidators/bv/size/SizeValidatorForArraysOfByte.java
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* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/engine/resolver/TraverseAllTraversableResolver.java
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* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/META-INF/validation-mapping-2.0.xsd
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/META-INF/validation-configuration-1.1.xsd
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* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/META-INF/validation-mapping-1.1.xsd
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/META-INF/validation-mapping-1.0.xsd
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 */
/**
 * A method-level constraint, that evaluates a script expression against the
 * annotated method or constructor. This constraint can be used to implement
 * validation routines that depend on several parameters of the annotated
 * executable.
 * </p>
 * <p>
 * Script expressions can be written in any scripting or expression language,
 * for which a <a href="http://jcp.org/en/jsr/detail?id=223">JSR 223</a>
 * ("Scripting for the Java<sup>TM</sup> Platform") compatible engine can be
 * found on the classpath. To refer to a parameter within the scripting
 * expression, use its name as obtained by the active
 * [link javax.validation.ParameterNameProvider]. By default, [@code arg0], [@code arg1] etc.
 * will be used as parameter names.
 * </p>
 * <p>
 * The following listing shows an example using the JavaScript engine which
 * comes with the JDK:
 * </p>
 * <pre>
 * {@code @ParameterScriptAssert(script = "arg0.before(arg1)", lang = "javascript")
 * public void createEvent(Date start, Date end) { ... }
 * }
 * </pre>
 * <p>
 * Can be specified on any method or constructor.
 * </p>
 *
 * @author Gunnar Morling
 */

Found in path(s):
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jar/org/hibernate/validator/constraints/ParameterScriptAssert.java
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 */
/**
 * Retrieves constraint related meta data for the parameters of the given executable.
 * @param executable The executable of interest.
 * @return A list with parameter meta data for the given executable.
 */

Found in path(s):
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 */
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1.1265 systemtap 4.2-6

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20180109044635-280f6062b5bc

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</head>

<body>

!-- Navigation -->
<header>
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<div class="container">

</div>
</nav>
</header>

<nav class="navbar navbar-default navbar-fixed-top">
<div class="container">

</div>
</nav>

</body>
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1.1278 go-xerial-snappy 0.0.0-20180814174437-776d5712da21

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1.1279 apache-log4j 2.14.1

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# Test notices work as expected by creating a VIEW on a TEMP TABLE.

# Prepare the environment.

send Query {"String": "DROP TABLE IF EXISTS t CASCADE"} ----

until ignore=NoticeResponse ReadyForQuery ----

{"Type":"CommandComplete","CommandTag":"DROP TABLE"}
# Start of test.

send Query {"String": "CREATE TABLE t(x INT, y INT)"}

until ReadyForQuery

send Query {"String": "CREATE INDEX t_x_idx ON t(x)"}

until ReadyForQuery

send Query {"String": "CREATE INDEX t_y_idx ON t(y)"}

until ReadyForQuery

# Check that crdb reports a notice upon drop index.

send Query {"String": "DROP INDEX t_x_idx"}

until crdb_only

CommandComplete

nName":"
, "DataTypeName": "
, "ConstraintName": "
, "File": "drop_index.go" 
, "Line": 536, "Routine": "dropIndexByName" 
, "UnknownFields": null
}
{"Type": "CommandComplete", "CommandTag": "DROP INDEX" }

until noncrdb_only
CommandComplete
----
{"Type": "CommandComplete", "CommandTag": "DROP INDEX" }

until
ReadyForQuery
----
{"Type": "ReadyForQuery", "TxStatus": "I" }

# Disable notices and assert now it is not sent.
send crdb_only
Query [{"String": "SET CLUSTER SETTING sql.notices.enabled = false"}]
----

until crdb_only
ReadyForQuery
----
{"Type": "CommandComplete", "CommandTag": "SET CLUSTER SETTING" }
{"Type": "ReadyForQuery", "TxStatus": "I" }

# Check that the notice is not printed any more.

send
Query [{"String": "DROP INDEX t_y_idx"}]
----

until
ReadyForQuery
----
{"Type": "CommandComplete", "CommandTag": "DROP INDEX" }
{"Type": "ReadyForQuery", "TxStatus": "I" }
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Sanjay Ghemawat <sanjay@google.com>

# Partial list of contributors:
Kevin Regan <kevin.d.regan@gmail.com>
Johan Bilien <jobi@litl.com>
Matthew Von-Maszewski <https://github.com/matthewvon> (Basho Technologies)
# Test multiple notices all display at once.
query T noticetrace
SELECT crdb_internal.notice('hi'), crdb_internal.notice('i am....'), crdb_internal.notice('otan!!!')
----
NOTICE: hi
NOTICE: i am....
NOTICE: otan!!!

subtest test_notice_severity

query T noticetrace
SELECT crdb_internal.notice('debug1', 'do not see this'), crdb_internal.notice('warning', 'but you see this'), crdb_internal.notice('debug2', 'and never this')
----
WARNING: but you see this
statement ok
SET client_min_messages = 'debug1'

query T noticetrace
SELECT crdb_internal.notice('debug1', 'now you see this'), crdb_internal.notice('warning', 'and you see this'), crdb_internal.notice('debug2', 'and never this')
----
DEBUG1: now you see this
WARNING: and you see this
statement ok
CREATE DATABASE d;
CREATE TABLE d.t (x int)

query T noticetrace
ALTER TABLE d.t RENAME TO d.t2
----
NOTICE: renaming tables with a qualification is deprecated
HINT: use ALTER TABLE d.t RENAME TO t2 instead

# Start off with an empty enum, and add values to it.
statement ok
CREATE TYPE color AS ENUM ()

statement ok
ALTER TYPE color ADD VALUE 'black'

query T noticetrace
ALTER TYPE color ADD VALUE IF NOT EXISTS 'black'
----
NOTICE: enum value "black" already exists, skipping
statement ok
CREATE MATERIALIZED VIEW v AS SELECT 1

query T noticetrace
REFRESH MATERIALIZED VIEW CONCURRENTLY v

----
NOTICE: CONCURRENTLY is not required as views are refreshed concurrently
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package base

import (  
"context"  
"time"  
"github.com/cockroachdb/cockroach/pkg/settings/cluster"  
"github.com/cockroachdb/cockroach/pkg/util/uuid"  
"github.com/cockroachdb/errors"
)

var errEnterpriseNotEnabled = errors.New("OSS binaries do not include enterprise features")

var CheckEnterpriseEnabled = func(_ *cluster.Settings, _ uuid.UUID, org, feature string) error {  
return errEnterpriseNotEnabled // nb: this is squarely in the hot path on OSS builds
}

var TimeToEnterpriseLicenseExpiry = func(ctx context.Context, _ *cluster.Settings, _ time.Time,  
// CheckEnterpriseEnabled returns a non-nil error if the requested enterprise  
// feature is not enabled, including information or a link explaining how to  
// enable it.  
// This function is overridden by an init hook in CCL builds.  
// TimeToEnterpriseLicenseExpiry returns a duration object that measures the time until  
// the currently set enterprise license expires starting from the 3rd argument  
// This function is overridden by an init hook in CCL builds


// LicenseType returns what type of license the cluster is running with, or
// "OSS" if it is an OSS build.
//
// This function is overridden by an init hook in CCL builds.
var LicenseType = func(st *cluster.Settings) (string, error) {
    return "OSS", nil
}

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import (  
    "strings"  
    "github.com/cockroachdb/cockroach/pkg/sql/pgwire/pgnotice"  
    "github.com/cockroachdb/cockroach/pkg/sql/sem/tree"  
    "github.com/cockroachdb/errors"  
)

// crdbInternalSendNotice sends a notice.  
// Note this is extracted to a different file to prevent churn on the pgwire  
// test, which records line numbers.  
func crdbInternalSendNotice(  
    ctx *tree.EvalContext, severity string, msg string,  
) (tree.Datum, error) {  
    if ctx.ClientNoticeSender == nil {  
        return nil, errors.AssertionFailedf("notice sender not set")  
    }  
    ctx.ClientNoticeSender.BufferClientNotice(  
        ctx.Context,  
        pgnotice.NewWithSeverityf(strings.ToUpper(severity), "%s", msg),  
    )  
    return tree.NewDInt(0), nil  
}  

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## All-Time External Contributors

330 contributors, 1609 commits

Open Source Used In ND-NODE v2.1.2b  16090


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## By Year

### 2020
96 contributors, 333 commits
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### 2019

48 contributors, 144 commits


### 2018

54 contributes, 120 commits


### 2017

73 contributors, 250 commits

### 2016

42 contributors, 320 commits

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- Jingguo Yao
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- Seif Lotfy
- Haines Chan
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- Yan Long
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- Jason E. Aten, Ph.D.
- Dolf Schimmel
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- Szymon
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- Marko Bonai
- wenyong-

### 2015

43 contributors, 308 commits

- Kenji Kaneda
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- MeBo
- Nathan Johnson
- Rushi Agrawal
- Aid Idrizovi
- Karl
- Christian Meunier
- tlvenn
- Tracy Scott
- xiaoyulei
- yanzhanzi

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Open Source Used In ND-NODE v2.1.2b 16095

### 2014

17 contributors, 134 commits


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package utilccl

import (
    "bytes"
    "context"
    "strings"
    "sync/atomic"
    "time"

    "github.com/cockroachdb/cockroach/pkg/base"
    "github.com/cockroachdb/cockroach/pkg/ccl/utilccl/licenseccl"
    "github.com/cockroachdb/cockroach/pkg/server"
    "github.com/cockroachdb/cockroach/pkg/settings"
    "github.com/cockroachdb/cockroach/pkg/sql/pgwire/pgerror"
    "github.com/cockroachdb/cockroach/pkg/sql/pgwire/pgcode"
    "github.com/cockroachdb/cockroach/pkg/util/envutil"
    "github.com/cockroachdb/cockroach/pkg/util/timeutil"
    "github.com/cockroachdb/cockroach/pkg/util/uuid"
    "github.com/cockroachdb/errors"
    "github.com/cockroachdb/redact"
)

var enterpriseLicense = func() *settings.StringSetting {
    s := settings.RegisterValidatedStringSetting(
        "enterprise.license",
        "the encoded cluster license",
        "",
        func(sv *settings.Values, s string) error {
            _, err := decode(s)
            return err
        },
    )
    // Even though string settings are non-reportable by default, we
    // still mark them explicitly in case a future code change flips the
    // default.
    s.SetReportable(false)
    s.SetVisibility(settings.Public)
    return s
}()
// enterpriseStatus determines whether the cluster is enabled
// for enterprise features or if enterprise status depends on the license.
var enterpriseStatus int32 = deferToLicense

cost (
    deferToLicense = 0
    enterpriseEnabled = 1
)

// errEnterpriseRequired is returned by check() when the caller does
// not request detailed errors.
var errEnterpriseRequired = pgerror.New(pgcode.CCLValidLicenseRequired,
    "a valid enterprise license is required")

// licenseCacheKey is used to cache licenses in cluster.Settings.Cache,
// keeping the entries private.
type licenseCacheKey string

// TestingEnableEnterprise allows overriding the license check in tests.
func TestingEnableEnterprise() func() {
    before := atomic.LoadInt32(&enterpriseStatus)
    atomic.StoreInt32(&enterpriseStatus, enterpriseEnabled)
    return func() {
        atomic.StoreInt32(&enterpriseStatus, before)
    }
}

// TestingDisableEnterprise allows re-enabling the license check in tests.
func TestingDisableEnterprise() func() {
    before := atomic.LoadInt32(&enterpriseStatus)
    atomic.StoreInt32(&enterpriseStatus, deferToLicense)
    return func() {
        atomic.StoreInt32(&enterpriseStatus, before)
    }
}

// ApplyTenantLicense verifies the COCKROACH_TENANT_LICENSE environment variable
// and enables enterprise features for the process. This is a bit of a hack and
// should be replaced once it is possible to read the host cluster's
// enterprise.license setting.
func ApplyTenantLicense() error {
    license, ok := envutil.EnvString("COCKROACH_TENANT_LICENSE", 0)
    if !ok {
        return nil
    }
    if _, err := decode(license); err != nil {
        return errors.Wrap(err, "COCKROACH_TENANT_LICENSE encoding is invalid")
    }
}

// errEnterpriseRequired is returned by check() when the caller does
// not request detailed errors.
var errEnterpriseRequired = pgerror.New(pgcode.CCLValidLicenseRequired,
    "a valid enterprise license is required")

// licenseCacheKey is used to cache licenses in cluster.Settings.Cache,
// keeping the entries private.
type licenseCacheKey string

// TestingEnableEnterprise allows overriding the license check in tests.
func TestingEnableEnterprise() func() {
    before := atomic.LoadInt32(&enterpriseStatus)
    atomic.StoreInt32(&enterpriseStatus, enterpriseEnabled)
    return func() {
        atomic.StoreInt32(&enterpriseStatus, before)
    }
}

// TestingDisableEnterprise allows re-enabling the license check in tests.
func TestingDisableEnterprise() func() {
    before := atomic.LoadInt32(&enterpriseStatus)
    atomic.StoreInt32(&enterpriseStatus, deferToLicense)
    return func() {
        atomic.StoreInt32(&enterpriseStatus, before)
    }
}

// ApplyTenantLicense verifies the COCKROACH_TENANT_LICENSE environment variable
// and enables enterprise features for the process. This is a bit of a hack and
// should be replaced once it is possible to read the host cluster's
// enterprise.license setting.
func ApplyTenantLicense() error {
    license, ok := envutil.EnvString("COCKROACH_TENANT_LICENSE", 0)
    if !ok {
        return nil
    }
    if _, err := decode(license); err != nil {
        return errors.Wrap(err, "COCKROACH_TENANT_LICENSE encoding is invalid")
    }
}
atomic.StoreInt32(&enterpriseStatus, enterpriseEnabled)
return nil

// CheckEnterpriseEnabled returns a non-nil error if the requested enterprise
// feature is not enabled, including information or a link explaining how to
// enable it.
//
// This should not be used in hot paths, since an unavailable feature will
// result in a new error being instantiated for every call -- use
// IsEnterpriseEnabled() instead.
func CheckEnterpriseEnabled(st *cluster.Settings, cluster uuid.UUID, org, feature string) error {
    return checkEnterpriseEnabledAt(st, timeutil.Now(), cluster, org, feature, true /* withDetails */) == nil
}

// IsEnterpriseEnabled returns whether the requested enterprise feature is
// enabled. It is faster than CheckEnterpriseEnabled, since it does not return
// details about why the feature is unavailable, and can therefore be used in
// hot paths.
func IsEnterpriseEnabled(st *cluster.Settings, cluster uuid.UUID, org, feature string) bool {
    return checkEnterpriseEnabledAt(st, timeutil.Now(), cluster, org, feature, false /* withDetails */) == nil
}

func init() {
    base.CheckEnterpriseEnabled = CheckEnterpriseEnabled
    base.LicenseType = getLicenseType
    base.TimeToEnterpriseLicenseExpiry = TimeToEnterpriseLicenseExpiry
    server.ApplyTenantLicense = ApplyTenantLicense
}

// TimeToEnterpriseLicenseExpiry returns a Duration from `asOf` until the current
// enterprise license expires. If a license does not exist, we return a
// zero duration.
func TimeToEnterpriseLicenseExpiry(ctx context.Context, st *cluster.Settings, asOf time.Time, ) (time.Duration, error) {
    license, err := getLicense(st)
    if err != nil || license == nil {
        return 0, err
    }
    expiration := timeutil.Unix(license.ValidUntilUnixSec, 0)
    return expiration.Sub(asOf), nil
}

func checkEnterpriseEnabledAt(}
st *cluster.Settings, at time.Time, cluster uuid.UUID, org, feature string, withDetails bool,
) error {
if atomic.LoadInt32(&enterpriseStatus) == enterpriseEnabled {
    return nil
}
license, err := getLicense(st)
if err != nil {
    return err
}
return check(license, at, cluster, org, feature, withDetails)
}

// getLicense fetches the license from the given settings, using Settings.Cache
// to cache the decoded license (if any). The returned license must not be
// modified by the caller.
func getLicense(st *cluster.Settings) (*licenseccl.License, error) {
    str := enterpriseLicense.Get(&st.SV)
    if str == "" {
        return nil, nil
    }
    cacheKey := licenseCacheKey(str)
    if cachedLicense, ok := st.Cache.Load(cacheKey); ok {
        return cachedLicense.(*licenseccl.License), nil
    }
    license, err := decode(str)
    if err != nil {
        return nil, err
    }
    st.Cache.Store(cacheKey, license)
    return license, nil
}

func getLicenseType(st *cluster.Settings) (string, error) {
    license, err := getLicense(st)
    if err != nil {
        return nil, err
    } else if license == nil {
        return "None", nil
    }
    return license.Type.String(), nil
}

// decode attempts to read a base64 encoded License.
func decode(s string) (*licenseccl.License, error) {
    lic, err := licenseccl.Decode(s)
    if err != nil {
        return nil, pgerror.WithCandidateCode(err, pgcode.Syntax)
    }
}
func check(l *licenseccl.License, at time.Time, cluster uuid.UUID, org, feature string, withDetails bool) error {
    if l == nil {
        if !withDetails {
            return errEnterpriseRequired
        }
        return pgerror.Newf(pgcode.CCLValidLicenseRequired,
            "use of %s requires an enterprise license. " +
            "see %s%s for details on how to enable enterprise features",
            errors.Safe(feature),
            link,
            cluster.String(),
        )
    }

    // TODO(dt): link to some stable URL that then redirects to a helpful page
    // that explains what to do here.
    link := "https://cockroachlabs.com/pricing?cluster="
    return pgerror.Newf(pgcode.CCLValidLicenseRequired,
        "use of %s requires an enterprise license. " +
        "see %s%s for details on how to enable enterprise features",
        errors.Safe(feature),
        link,
        cluster.String(),
    )
}

// We extend some grace period to enterprise license holders rather than
// suddenly throwing errors at them.
if l.ValidUntilUnixSec > 0 && l.Type != licenseccl.License_Enterprise {
    if expiration := timeutil.Unix(l.ValidUntilUnixSec, 0); at.After(expiration) {
        if !withDetails {
            return errEnterpriseRequired
        }
        licensePrefix := redact.SafeString(""")
        switch l.Type {
            case licenseccl.License_NonCommercial:
                licensePrefix = "non-commercial "
            case licenseccl.License_Evaluation:
                licensePrefix = "evaluation "
        }
        return pgerror.Newf(pgcode.CCLValidLicenseRequired,
            "Use of %s requires an enterprise license. Your %slicense expired on %s. If you're " +
            "interested in getting a new license, please contact subscriptions@cockroachlabs.com " +
            "and we can help you out.",
            errors.Safe(feature),
            licensePrefix,
            expiration.Format("January 2, 2006"),
        )
    }
}
if l.ClusterID == nil {
if strings.EqualFold(l.OrganizationName, org) {
    return nil
}
if !withDetails {
    return errEnterpriseRequired
}
return pgerror.Newf(pgcode.CCLValidLicenseRequired, "license valid only for %q", l.OrganizationName)
}

for _, c := range l.ClusterID {
if cluster == c {
    return nil
}
}

// no match, so compose an error message.
if !withDetails {
    return errEnterpriseRequired
}
var matches bytes.Buffer
for i, c := range l.ClusterID {
if i > 0 {
    matches.WriteString(", ")
}
matches.WriteString(c.String())
}
return pgerror.Newf(pgcode.CCLValidLicenseRequired, "license for cluster(s) %s is not valid for cluster %s", matches.String(), cluster.String(),
)
}

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// https://github.com/cockroachdb/cockroach/blob/master/licenses/CCL.txt

import React from "react";
import step1Img from "assets/nodeMapSteps/1-getLicense.png";
import step2Img from "assets/nodeMapSteps/2-setKey.svg";
import step3Img from "assets/nodeMapSteps/3-seeMap.png";

import { NodeCanvasContainerOwnProps } from "src/views/clusterviz/containers/map/nodeCanvasContainer";
import * as docsURL from "src/util/docs";
import "./needEnterpriseLicense.styl";

// This takes the same props as the NodeCanvasContainer which it is swapped out with.

function Step(props: { num: number; img: string; children: React.ReactNode }) {
  return (
    <div className="license-step">
      <img src={props.img} className="license-step__image" />
      <div className="license-step__text">
        <span className="license-step__stepnum">Step {props.num}:</span> {props.children}
      </div>
    </div>
  );
}

export default class NeedEnterpriseLicense extends React.Component<NodeCanvasContainerOwnProps> {
  render() {
    return (
      <section className="need-license">
        <div className="need-license-blurb">
          <div>

```
View the Node Map

The Node Map shows the geographical layout of your cluster, along with metrics and health indicators. To enable the Node Map, request an Enterprise trial license and refer to this configuration guide.

GET A 30-DAY ENTERPRISE TRIAL

Get a trial license delivered straight to your inbox.

Activate the trial license with two simple SQL commands.

Follow this guide to configure localities and locations.
package sql

import {
  "context"

  "github.com/cockroachdb/cockroach/pkg/settings"
  "github.com/cockroachdb/cockroach/pkg/sql/pgwire/pgerror"
  "github.com/cockroachdb/cockroach/pkg/sql/pgwire/pgnotice"
  "github.com/cockroachdb/cockroach/pkg/util/log"
}

// NoticesEnabled is the cluster setting that allows users
// to enable notices.
var NoticesEnabled = settings.RegisterBoolSetting(
  "sql.notices.enabled",
  "enable notices in the server/client protocol being sent",
  true,
).WithPublic()

// noticeSender is a subset of RestrictedCommandResult which allows
// sending notices.
type noticeSender interface {
  BufferNotice(pgnotice.Notice)
}

// BufferClientNotice implements the tree.ClientNoticeSender interface.
func (p *planner) BufferClientNotice(ctx context.Context, notice pgnotice.Notice) {
  if log.V(2) {
    log.Infof(ctx, "buffered notice: %+v", notice)
  }

  noticeSeverity, ok := pgnotice.ParseDisplaySeverity(pgerror.GetSeverity(notice))
  if !ok {
    noticeSeverity = pgnotice.DisplaySeverityNotice
  }
if p.noticeSender == nil ||
noticeSeverity > pgnnotice.DisplaySeverity(p.SessionData().NoticeDisplaySeverity) ||
!NoticesEnabled.Get(&p.execCfg.Settings.SV) {
    // Notice cannot flow to the client - because of one of these conditions:
    // * there is no client
    // * the session's NoticeDisplaySeverity is higher than the severity of the notice.
    // * the notice protocol was disabled
    return
}

p.noticeSender.BufferNotice(notice)

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// Code generated by protoc-gen-gogo. DO NOT EDIT.
// source: ccl/utilccl/licenseccl/license.proto

package licenseccl

import (
    fmt "fmt"
    github_com_cockroachdb_cockroach_pkg_util_uuid "github.com/cockroachdb/cockroach/pkg/util/uuid"
    _ "github.com/gogo/protobuf/protobuf"
    proto "github.com/gogo/protobuf/proto"
    io "io"
    math "math"
    math_bits "math/bits"
)

// Reference imports to suppress errors if they are not otherwise used.
var _ = proto.Marshal
var _ = fmt.Errorf
var _ = math.Inf

// This is a compile-time assertion to ensure that this generated file
// is compatible with the proto package it is being compiled against.
// A compilation error at this line likely means your copy of the
// proto package needs to be updated.
const _ = proto.GoGoProtoPackageIsVersion3 // please upgrade the proto package

type License_Type int32

const (
    License_NonCommercial License_Type = 0
    License_Enterprise License_Type = 1
    License_Evaluation License_Type = 2
)

var License_Type_name = map[int32]string{
    0: "NonCommercial",
    1: "Enterprise",
    2: "Evaluation",
}

var License_Type_value = map[string]int32{
    "NonCommercial": 0,
    "Enterprise": 1,
    "Evaluation": 2,
}

func (x License_Type) String() string {
    return proto.EnumName(License_Type_name, int32(x))
}

func (License_Type) EnumDescriptor() ([]byte, []int) {
    return fileDescriptor_765066c8b2c94c63, []int{0, 0}
}

type License struct {
    ClusterID         []github_com_cockroachdb_cockroach_pkg_util_uuid.UUID
    "protobuf:"bytes,1.rep.name=cluster_id,json=clusterId,proto3,customtype=github.com/cockroachdb/cockroach/pkg/util/uuid.UUID" json:"cluster_id"
    ValidUntilUnixSec int64
    "protobuf:"varint,2,opt.name=valid_until_unix_sec,json=validUntilUnixSec,proto3" json:"valid_until_unix_sec,omitempty"
    Type              License_Type
    "protobuf:"varint,3,opt.name=type,proto3,enum=cockroach.ccl.utilccl.licenseccl.License_Type" json:"type,omitempty"
    OrganizationName  string
    "protobuf:"bytes,4,opt.name=organization_name,json=organizationName,proto3"
func (m *License) Reset() { *m = License{} }
func (m *License) String() string { return proto.CompactTextString(m) }
func (*License) ProtoMessage() {}
func (*License) Descriptor() ([]byte, []int) {
  return fileDescriptor_765066c8b2c94c63, []int{0}
}
func (m *License) XXX_Unmarshal(b []byte) error {
  return m.Unmarshal(b)
}
func (m *License) XXX_Marshal(b []byte, deterministic bool) ([]byte, error) {
  b = b[:cap(b)]
  n, err := m.MarshalToSizedBuffer(b)
  if err != nil {
    return nil, err
  }
  return b[:n], nil
}
func (m *License) XXX_Merge(src proto.Message) {
  xxx_messageInfo_License.Merge(m, src)
}
func (m *License) XXX_Size() int {
  return m.Size()
}
func (m *License) XXX_DiscardUnknown() {
  xxx_messageInfo_License.DiscardUnknown(m)
}

var xxx_messageInfo_License proto.InternalMessageInfo

func init() {
  proto.RegisterEnum("cockroach.ccl.utilccl.licenseccl.License_Type", License_Type_name, License_Type_value)
  proto.RegisterType((*License)(nil), "cockroach.ccl.utilccl.licenseccl.License")
}

func init() {
  proto.RegisterFile("ccl/utilccl/licenseccl/license.proto", fileDescriptor_765066c8b2c94c63)
}

var fileDescriptor_765066c8b2c94c63 = []byte{
  // 362 bytes of a gzipped FileDescriptorProto
  0x1f, 0x8b, 0x08, 0x00, 0x00, 0x00, 0x00, 0x00, 0x02, 0x84, 0x91, 0x31, 0x8f, 0xda, 0x30,
  0x1c, 0xc5, 0x40, 0xad, 0xb0, 0x5a, 0x14, 0x22, 0x86, 0xa8, 0xa8, 0x83, 0x89, 0x50, 0x87, 0x48,
  0xad, 0x1c, 0xa9, 0x4c, 0x5d, 0x81, 0x4a, 0x45, 0xaa, 0x18, 0xd2, 0x66, 0xe9, 0x12, 0x19, 0xc7,
  0x0a, 0x16, 0x8e, 0x1d, 0x25, 0x36, 0x82, 0x7e, 0x7e, 0x7e, 0x82, 0x82, 0x82, 0x2c, 0xb6, 0x63,
}
func (m *License) Marshal() (dAtA []byte, err error) {
    size := m.Size()
    dAtA = make([]byte, size)
    n, err := m.MarshalToSizedBuffer(dAtA[:size])
    if err != nil {
        return nil, err
    }
    return dAtA[:n], nil
}

func (m *License) MarshalTo(dAtA []byte) (int, error) {
    size := m.Size()
    return m.MarshalToSizedBuffer(dAtA[:size])
}

func (m *License) MarshalToSizedBuffer(dAtA []byte) (int, error) {
    i := len(dAtA)
    _ = i
    var l int
    _ = l
    if len(m.OrganizationName) > 0 {
        i -= len(m.OrganizationName)
        copy(dAtA[i:], m.OrganizationName)
        i--
        dAtA[i] = 0x22
    }
    if m.Type != 0 {
        // Code continuation...
    }
}
i = encodeVarintLicense(dAtA, i, uint64(m.Type))
i--
dAtA[i] = 0x18
} if m.ValidUntilUnixSec != 0 {
i = encodeVarintLicense(dAtA, i, uint64(m.ValidUntilUnixSec))
i--
dAtA[i] = 0x10
} if len(m.ClusterID) > 0 {
for iNdEx := len(m.ClusterID) - 1; iNdEx >= 0; iNdEx-- {
{
size := m.ClusterID[iNdEx].Size()
i -= size
if _, err := m.ClusterID[iNdEx].MarshalTo(dAtA[i:]); err != nil {
return 0, err
}
i = encodeVarintLicense(dAtA, i, uint64(size))
}
i--
dAtA[i] = 0xa
}
} return len(dAtA) - i, nil
}

func encodeVarintLicense(dAtA []byte, offset int, v uint64) int {
offset -= sovLicense(v)
base := offset
for v >= 1<<7 {
  dAtA[offset] = uint8(v&0x7f | 0x80)
v >>= 7
  offset++
} dAtA[offset] = uint8(v)
return base
}

func (m *License) Size() (n int) {
if m == nil {
return 0
}
var l int
_ = l
if len(m.ClusterID) > 0 {
for _, e := range m.ClusterID {
  l = e.Size()
  n += 1 + l + sovLicense(uint64(l))
}
if m.ValidUntilUnixSec != 0 {
    n += 1 + sovLicense(uint64(m.ValidUntilUnixSec))
}
if m.Type != 0 {
    n += 1 + sovLicense(uint64(m.Type))
}  

l = len(m.OrganizationName)
if l > 0 {
    n += 1 + l + sovLicense(uint64(l))
}
return n

func sovLicense(x uint64) (n int) {
    return (math_bits.Len64(x|1) + 6) / 7
}
func sozLicense(x uint64) (n int) {
    return sovLicense(uint64((x << 1) ^ uint64((int64(x) >> 63))))
}
func (m *License) Unmarshal(dAtA []byte) error {
    l := len(dAtA)
iNdEx := 0
    for iNdEx < l {
        preIndex := iNdEx
        var wire uint64
        for shift := uint(0); ; shift += 7 {
            if shift >= 64 {
                return ErrIntOverflowLicense
            }
            if iNdEx >= l {
                return io.ErrUnexpectedEOF
            }
            b := dAtA[iNdEx]
iNdEx++
            wire |= uint64(b&0x7F) << shift
            if b < 0x80 {
                break
            }
        }
        fieldNum := int32(wire >> 3)
        wireType := int(wire & 0x7)
        if wireType == 4 {
            return fmt.Errorf("proto: License: wiretype end group for non-group")
        }
        if fieldNum >= 1 {
            return io.ErrUnexpectedEOF
        }
        b := dAtA[iNdEx]
iNdEx++
        wire |= uint64(b&0x7F) << shift
        if b < 0x80 {
            break
        }
    }
    fieldNum := int32(wire >> 3)
    wireType := int(wire & 0x7)
    if wireType == 4 {
        return fmt.Errorf("proto: License: illegal tag %d (wire type %d)", fieldNum, wireType)
    }
    return nil
}
switch fieldNum {
    case 1:
        if wireType != 2 {
            return fmt.Errorf("proto: wrong wireType = %d for field ClusterID", wireType)
        }
        var byteLen int
        for shift := uint(0); ; shift += 7 {
            if shift >= 64 {
                return ErrIntOverflowLicense
            }
            if iNdEx >= l {
                return io.ErrUnexpectedEOF
            }
            b := dAtA[iNdEx]
            iNdEx++
            byteLen |= int(b&0x7F) << shift
            if b < 0x80 {
                break
            }
        }
        if byteLen < 0 {
            return ErrInvalidLengthLicense
        }
        postIndex := iNdEx + byteLen
        if postIndex < 0 {
            return ErrInvalidLengthLicense
        }
        if postIndex > l {
            return io.ErrUnexpectedEOF
        }
        var v github_com_cockroachdb_cockroach_pkg_util_uuid.UUID
        m.ClusterID = append(m.ClusterID, v)
        if err := m.ClusterID[len(m.ClusterID)-1].Unmarshal(dAtA[iNdEx:postIndex]); err != nil {
            return err
        }
        iNdEx = postIndex
    case 2:
        if wireType != 0 {
            return fmt.Errorf("proto: wrong wireType = %d for field ValidUntilUnixSec", wireType)
        }
        m.ValidUntilUnixSec = 0
        for shift := uint(0); ; shift += 7 {
            if shift >= 64 {
                return ErrIntOverflowLicense
            }
            if wireType != 2 {
                return ErrIntOverflowLicense
            }
            if iNdEx >= 1 {
                return io.ErrUnexpectedEOF
            }
            b := dAtA[iNdEx]
            iNdEx++
            byteLen |= int(b&0x7F) << shift
            if b < 0x80 {
                break
            }
        }
        if byteLen < 0 {
            return ErrInvalidLengthLicense
        }
        postIndex := iNdEx + byteLen
        if postIndex < 0 {
            return ErrInvalidLengthLicense
        }
        if postIndex > l {
            return io.ErrUnexpectedEOF
        }
        var v github_com_cockroachdb_cockroach_pkg_util_uuid.UUID
        m.ClusterID = append(m.ClusterID, v)
        if err := m.ClusterID[len(m.ClusterID)-1].Unmarshal(dAtA[iNdEx:postIndex]); err != nil {
            return err
        }
        iNdEx = postIndex

b := dAtA[iNdEx]
iNdEx++
m.ValidUntilUnixSec |= int64(b&0x7F) << shift
if b < 0x80 {
    break
}
}
case 3:
    if wireType != 0 {
        return fmt.Errorf("proto: wrong wireType = %d for field Type", wireType)
    }
    m.Type = 0
    for shift := uint(0); ; shift += 7 {
        if shift >= 64 {
            return ErrIntOverflowLicense
        }
        if iNdEx >= 1 {
            return io.ErrUnexpectedEOF
        }
        b := dAtA[iNdEx]
iNdEx++
m.Type |= License_Type(b&0x7F) << shift
        if b < 0x80 {
            break
        }
    }
case 4:
    if wireType != 2 {
        return fmt.Errorf("proto: wrong wireType = %d for field OrganizationName", wireType)
    }
    var stringLen uint64
    for shift := uint(0); ; shift += 7 {
        if shift >= 64 {
            return ErrIntOverflowLicense
        }
        if iNdEx >= 1 {
            return io.ErrUnexpectedEOF
        }
        b := dAtA[iNdEx]
iNdEx++
        stringLen |= uint64(b&0x7F) << shift
        if b < 0x80 {
            break
        }
    }
    intStringLength := int(stringLen)
    if intStringLength < 0 {
        return ErrInvalidLengthLicense
postIndex := iNdEx + intStringLength
if postIndex < 0 {
    return ErrInvalidLengthLicense
}
if postIndex > l {
    return io.ErrUnexpectedEOF
}
m.OrganizationName = string(dAtA[iNdEx:postIndex])
iNdEx = postIndex
}
default:
iNdEx = preIndex
skippy, err := skipLicense(dAtA[iNdEx:])
if err != nil {
    return err
}
if (skippy < 0) || (iNdEx+skippy) < 0 {
    return ErrInvalidLengthLicense
}
if (iNdEx + skippy) > l {
    return io.ErrUnexpectedEOF
}
iNdEx += skippy
}

if iNdEx > l {
    return io.ErrUnexpectedEOF
}
return nil
}
func skipLicense(dAtA []byte) (n int, err error) {
l := len(dAtA)
iNdEx := 0
depth := 0
for iNdEx < l {
    var wire uint64
    for shift := uint(0); ; shift += 7 {
        if shift >= 64 {
            return 0, ErrIntOverflowLicense
        }
        if iNdEx >= l {
            return 0, io.ErrUnexpectedEOF
        }
        b := dAtA[iNdEx]
iNdEx++
        wire |= (uint64(b) & 0x7F) << shift
        if b < 0x80 {
wireType := int(wire & 0x7)
switch wireType {
case 0:
for shift := uint(0); ; shift += 7 {
if shift >= 64 {
return 0, ErrIntOverflowLicense
}
if iNdEx >= 1 {
return 0, io.ErrUnexpectedEOF
}
iNdEx++
if dAtA[iNdEx-1] < 0x80 {
break
}
}
case 1:
iNdEx += 8

var length int
for shift := uint(0); ; shift += 7 {
if shift >= 64 {
return 0, ErrIntOverflowLicense
}
if iNdEx >= 1 {
return 0, io.ErrUnexpectedEOF
}
b := dAtA[iNdEx]
iNdEx++
length |= (int(b) & 0x7F) << shift
if b < 0x80 {
break
}
}
if length < 0 {
return 0, ErrInvalidLengthLicense
}
iNdEx += length

case 3:
depth++

case 4:
if depth == 0 {
return 0, ErrUnexpectedEndOfGroupLicense
}
depth--
case 5:
iNDEx += 4
default:
return 0, fmt.Errorf("proto: illegal wireType %d", wireType)
}
if iNDEx < 0 {
return 0, ErrInvalidLengthLicense
}
if depth == 0 {
return iNDEx, nil
}
return 0, io.ErrUnexpectedEOF
}

var (
ErrInvalidLengthLicense = fmt.Errorf("proto: negative length found during unmarshaling")
ErrIntOverflowLicense = fmt.Errorf("proto: integer overflow")
ErrUnexpectedEndOfGroupLicense = fmt.Errorf("proto: unexpected end of group")
)
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package utilccl

import (
    "fmt"
    "testing"
    "time"

    "github.com/cockroachdb/cockroach/pkg/ccl/utilccl/licenseccl"
    "github.com/cockroachdb/cockroach/pkg/testutils"
    "github.com/cockroachdb/cockroach/pkg/util/timeutil"
    "github.com/cockroachdb/cockroach/pkg/util/uuid"
)

func TestLicense(t *testing.T) {
    clusterA, _ := uuid.FromString("A0000000-0000-0000-0000-00000000000A")
    clusterB, _ := uuid.FromString("B0000000-0000-0000-0000-00000000000B")

clustersA, clustersB := []uuid.UUID{clusterA}, []uuid.UUID{clusterB}

t0 := timeutil.Unix(0, 0)
ts := t0.AddDate(40, 0, 0)
after := ts.Add(time.Hour * 24)
before := ts.Add(time.Hour * -24)
wayAfter := ts.Add(time.Hour * 24 * 365 * 200)

for i, tc := range []struct {
    licType      licenseccl.License_Type
    grantedTo    []uuid.UUID
    expiration   time.Time
    checkCluster uuid.UUID
    checkOrg     string
    checkTime    time.Time
    err          string
} {
    licType: -1, err: "requires an enterprise license"},
    licenseccl.License_Evaluation, clustersA, ts, clusterA, "", ts, ""},
    licenseccl.License_Enterprise, clustersA, ts, clusterA, "", ts, ""}, 
    licenseccl.License_NonCommercial, clustersA, ts, clusterA, "", ts, ""},
    licenseccl.License_Evaluation, clustersA, after, clusterA, "", ts, ""},
    licenseccl.License_Evaluation, clustersA, ts, clusterA, "", before, ""},
    licenseccl.License_Evaluation, clustersA, wayAfter, clusterA, "", ts, ""},

    // expiration.
    licenseccl.License_Evaluation, clustersA, ts, clusterA, "", after, "expired"},
    licenseccl.License_Evaluation, clustersA, after, clusterA, "", wayAfter, "expired"},
    licenseccl.License_NonCommercial, clustersA, after, clusterA, "", wayAfter, "expired"},
    licenseccl.License_NonCommercial, clustersA, t0, clusterA, "", wayAfter, ""},
    licenseccl.License_Evaluation, clustersA, t0, clusterA, "", wayAfter, ""},

    // grace period.
    licenseccl.License_Enterprise, clustersA, after, clusterA, "", wayAfter, ""},

    // mismatch.
    licenseccl.License_Enterprise, clustersA, ts, clusterB, "", ts, "not valid for cluster"},
    licenseccl.License_Enterprise, clustersB, ts, clusterA, "", ts, "not valid for cluster"},
    licenseccl.License_Enterprise, append(clustersB, clusterA), ts, clusterA, "", ts, ""},
    licenseccl.License_Enterprise, nil, ts, clusterA, "", ts, "license valid only for"},
    licenseccl.License_Enterprise, nil, ts, clusterA, "tc-17", ts, ""},
} {
    var lic *licenseccl.License
    if tc.licType != -1 {
        s, err := (&licenseccl.License{
            ClusterID: tc.grantedTo,
            ValidUntilUnixSec: tc.expiration.Unix(),
            Type: tc.licType,
        })
        lic = s
    } else {
        return nil, errors.New(err)
    }
}
OrganizationName: fmt.Sprintf("tc-%d", i),
}).Encode()
if err != nil {
t.Fatal(err)
}

lic, err = decode(s)
if err != nil {
t.Fatal(err)
}

if err := check(lic, tc.checkTime, tc.checkCluster, tc.checkOrg, ",", true,
); !testutils.IsError(err, tc.err) {
t.Fatalf("%d: lic for %s to %s, checked by %s at %s\n got %q", i,
tc.grantedTo, tc.expiration, tc.checkCluster, tc.checkTime, err)
}

func TestBadLicenseStrings(t *testing.T) {
for _, tc := range []struct{
lic, err string
}{{
"blah", "invalid license string"},
{"crl-0-&&&&&", "invalid license string"},
{"crl-0-blah", "invalid license string"},
} {
if _, err := decode(tc.lic); !testutils.IsError(err, tc.err) {
t.Fatalf("%q: expected err %q, got %v", tc.lic, tc.err, err)
}
}

func TestExpiredLicenseLanguage(t *testing.T) {
lic := &licenseccl.License{
Type: licenseccl.License_Evaluation,
ValidUntilUnixSec: 1,
}
err := check(lic, timeutil.Now(), uuid.MakeV4(), ",", "RESTORE", true)
expected := "Use of RESTORE requires an enterprise license. Your evaluation license expired on " +
"January 1, 1970. If you're interested in getting a new license, please contact " +
"subscriptions@cockroachlabs.com and we can help you out."
if err == nil || err.Error() != expected {
t.Fatalf("expected err:\n%s\ngot:\n%v", expected, err)
}

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//
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package utilccl

import (  
"context"  
"testing"  
"time"  

"github.com/cockroachdb/cockroach/pkg/util/uuid"
"github.com/cockroachdb/cockroach/pkg/testutils"
"github.com/cockroachdb/cockroach/pkg/timeutil"
"github.com/cockroachdb/cockroach/pkg/util/ccl/licenseccl"

func TestSettingAndCheckingLicense(t *testing.T) {  
idA, _ := uuid.FromString("A0000000-0000-0000-0000-00000000000A")  
idB, _ := uuid.FromString("B0000000-0000-0000-0000-00000000000B")

ctx := context.Background()  
t0 := timeutil.Unix(0, 0)

licA, _ := (&licenseccl.License{  
ClusterID: [uuid.UUID{idA}],  
Type: licenseccl.License_Enterprise,  
ValidUntilUnixSec: t0.AddDate(0, 1, 0).Unix(),
}).Encode()

licB, _ := (&licenseccl.License{  
ClusterID: [uuid.UUID{idB}],  
Type: licenseccl.License_Evaluation,  
ValidUntilUnixSec: t0.AddDate(0, 2, 0).Unix(),
}).Encode()

st := cluster.MakeTestingClusterSettings()

for i, tc := range []struct {  
lic string  
checkCluster uuid.UUID  
checkTime time.Time  
err string  
}{

...
// NB: we're observing the update manifest as changed behavior -- detailed
// testing of that behavior is left to license.cc's own tests.
{ "", idA, t0, "requires an enterprise license" },
// adding a valid lic.
{ licA, idA, t0, "" },
// clearing an existing lic.
{ "", idA, t0, "requires an enterprise license" },
// adding invalid lic.
{ licB, idA, t0, "not valid for cluster" },
// clearing an existing, invalid lic.
{ "", idA, t0, "requires an enterprise license" },
} {
updater := st.MakeUpdater()
if err := updater.Set(ctx, "enterprise.license", tc.lic, "s"); err != nil {
    t.Fatal(err)
}
err := checkEnterpriseEnabledAt(st, tc.checkTime, tc.checkCluster, "", "", true)
if !testutils.IsError(err, tc.err) {
    l, _ := decode(tc.lic)
    t.Fatal("%!d: lic %v, update by %T, checked by %s at %s, got %q", i, l, updater, tc.checkCluster, tc.checkTime, err)
}
}
}

func TestGetLicenseTypePresent(t *testing.T) {
    ctx := context.Background()
    for _, tc := range []struct {
        licenseType licensecccl.License_Type
        expected    string
    }{
        {licensecccl.License_NonCommercial, "NonCommercial"},
        {licensecccl.License_Enterprise, "Enterprise"},
        {licensecccl.License_Evaluation, "Evaluation"},
    } {
        st := cluster.MakeTestingClusterSettings()
        updater := st.MakeUpdater()
        lic, _ := (&licensecccl.License{ClusterID: uuid.UUID{}, Type: tc.licenseType, ValidUntilUnixSec: 0}).Encode()
        if err := updater.Set(ctx, "enterprise.license", lic, "s"); err != nil {
            t.Fatal(err)
        }
        actual, err := getLicenseType(st)
        if err != nil {
            t.Fatal(err)
        }
    }
}
if actual != tc.expected {
    t.Fatalf("expected license type %s, got %s", tc.expected, actual)
}

func TestGetLicenseTypeAbsent(t *testing.T) {
    expected := "None"
    actual, err := getLicenseType(cluster.MakeTestingClusterSettings())
    if err != nil {
        t.Fatal(err)
    }
    if actual != expected {
        t.Fatalf("expected license type %s, got %s", expected, actual)
    }
}

func TestSettingBadLicenseStrings(t *testing.T) {
    ctx := context.Background()
    for _, tc := range []struct{ lic, err string }{
        {"blah", "invalid license string"},
        {"cl-0-blah", "invalid license string"},
    } {
        st := cluster.MakeTestingClusterSettings()
        u := st.MakeUpdater()

        if err := u.Set(ctx, "enterprise.license", tc.lic, "s"); !testutils.IsError(err, tc.err,)
            t.Fatalf("%q: expected err %q, got %v", tc.lic, tc.err, err)
        }
        t.Fatalf("%q: expected err %q, got %v", tc.lic, tc.err, err)
    }
}

func TestTimeToEnterpriseLicenseExpiry(t *testing.T) {
    ctx := context.Background()
    id, _ := uuid.FromString("A0000000-0000-0000-0000-00000000000A")

    t0 := timeutil.Unix(1603926294, 0)

    lic1M, _ := (&licenseccl.License{
        ClusterID: [uuid.UUID{id},
        Type: licenseccl.License_Enterprise,
        ValidUntilUnixSec: t0.AddDate(0, 1, 0).Unix(),
    }).Encode()

    lic2M, _ := (&licenseccl.License{
        ClusterID: [uuid.UUID{id},
        Type: licenseccl.License_Enterprise,
        ValidUntilUnixSec: t0.AddDate(0, 1, 0).Unix(),
    }).Encode()
Type:        licensecl.License_Evaluation,
ValidUntilUnixSec: t0.AddDate(0, 2, 0).Unix(),
) ).Encode()

lic0M, _ := (&licensecl.License{
    ClusterID:         []uuid.UUID{id},
    Type:              licensecl.License_Evaluation,
    ValidUntilUnixSec: t0.AddDate(0, 0, 0).Unix(),
} ).Encode()

licExpired, _ := (&licensecl.License{
    ClusterID:         []uuid.UUID{id},
    Type:              licensecl.License_Evaluation,
    ValidUntilUnixSec: t0.AddDate(0, -1, 0).Unix(),
} ).Encode()

st := cluster.MakeTestingClusterSettings()
updater := st.MakeUpdater()

for _, tc := range []struct {
    desc     string
    lic      string
    ttlHours float64
} {
    "One Month", lic1M, 24 * 31,
    "Two Month", lic2M, 24 * 31 + 24 * 30,
    "Zero Month", lic0M, 0,
    "Expired", licExpired, -24 * 30,
    "No License", "", 0,
} {
    t.Run(tc.desc, func(t *testing.T) {
        if err := updater.Set(ctx, "enterprise.license", tc.lic, "s"); err != nil {
            t.Fatal(err)
        }

        actual, err := TimeToEnterpriseLicenseExpiry(context.Background(), st, t0)
        if err != nil {
            t.Fatal(err)
        }

        require.Equal(t, tc.ttlHours, actual.Hours())
    })
}

func TestApplyTenantLicenseWithLicense(t *testing.T) {
    license, _ := (&licensecl.License{
        Type:        licensecl.License_Enterprise,
defer TestingDisableEnterprise()

defer envutil.TestSetEnv(t, "COCKROACH_TENANT_LICENSE", license)()

settings := cluster.MakeClusterSettings()

require.Error(t, CheckEnterpriseEnabled(settings, uuid.MakeV4(), "", ""))
require.False(t, IsEnterpriseEnabled(settings, uuid.MakeV4(), "", ""))
require.NoError(t, ApplyTenantLicense())
require.True(t, IsEnterpriseEnabled(settings, uuid.MakeV4(), "", ""))
}

func TestApplyTenantLicenseWithoutLicense(t *testing.T) {
    defer TestingDisableEnterprise()

    settings := cluster.MakeClusterSettings()

    _, ok := envutil.EnvString("COCKROACH_TENANT_LICENSE", 0)
    envutil.ClearEnvCache()
    require.False(t, ok)

    require.Error(t, CheckEnterpriseEnabled(settings, uuid.MakeV4(), "", ""))
    require.False(t, IsEnterpriseEnabled(settings, uuid.MakeV4(), "", ""))
    require.NoError(t, ApplyTenantLicense())
    require.Error(t, CheckEnterpriseEnabled(settings, uuid.MakeV4(), "", ""))
    require.False(t, IsEnterpriseEnabled(settings, uuid.MakeV4(), "", ""))
}

func TestApplyTenantLicenseWithInvalidLicense(t *testing.T) {
    defer envutil.TestSetEnv(t, "COCKROACH_TENANT_LICENSE", "THIS IS NOT A VALID LICENSE")()
    require.Error(t, ApplyTenantLicense())
}

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package licenseccl

import (  "encoding/base64"  "strings"  "github.com/cockroachdb/cockroach/pkg/util/protoutil"  "github.com/cockroachdb/errors"
)

// LicensePrefix is a prefix on license strings to make them easily recognized.  const LicensePrefix = "crl-0-"

// Encode serializes the License as a base64 string.  func (l *License) Encode() (string, error) {  bytes, err := protoutil.Marshal(l)  if err != nil {

return "", err
}
return LicensePrefix + base64.RawStdEncoding.EncodeToString(bytes), nil

// Decode attempts to read a base64 encoded License.
func Decode(s string) (*License, error) {
if s == "" {
    return nil, nil
}
if !strings.HasPrefix(s, LicensePrefix) {
    return nil, errors.New("invalid license string")
}
s = strings.TrimPrefix(s, LicensePrefix)
data, err := base64.RawStdEncoding.DecodeString(s)
if err != nil {
    return nil, errors.Wrap(err, "invalid license string")
}
var lic License
if err := protoutil.Unmarshal(data, &lic); err != nil {
    return nil, errors.Wrap(err, "invalid license string")
}
return &lic, nil

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//   https://github.com/cockroachdb/cockroach/blob/master/licenses/CCL.txt

@require '~styl/base/palette.styl'

.need-license
  padding-left 70px
  padding-right 70px
  padding-top 70px
  padding-bottom 30px

.need-license-blurb
  margin-bottom 30px
  display flex
  justify-content space-between
  align-items flex-start

  a
    color $link-color
PostgreSQL Database Management System
(formerly known as Postgres, then as Postgres95)
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## Special Recognition ##

One of the key reasons we got delayed on the CentOS-6 release was lack of suitable build resources, especially when we had to repeatedly build large chunks of code. Norwood S came forward and worked with me to setup a large build machine, then tune the build process and help improve
the overall build, test and validate process we were using. This build
machine he donated to the project was about 5 times more capable than the
entire buildsystem we had. And he did this out of his own pocket, from
his own time, and has since upgraded the machine as well. It's now a 128GB,
48 core machine, with 4 SSD's and 4 sata disks : but the key metric is
that it can build from source, the entire CentOS-7 distro in under 22 hrs.

Having this capability was key in our ability to build, test and deliver
CentOS-7 as rapidly as we have been able to.

We'd like to dedicate the CentOS-7 Release to Mr Norwood S, of Phoenix,
AZ, USA for his continued support for the project.

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The Red Hat developers, without whom CentOS would look very different

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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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This option is useful when you wish to copy part of the code of
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Other developers who have contributed code are:

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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 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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<button class="navbar-toggle" type="button" data-toggle="collapse" data-target="#mainnav-collapse">
<span class="sr-only">Toggle navigation</span>
<span class="icon-bar"></span>
<span class="icon-bar"></span>
<span class="icon-bar"></span>
</button>
</div>
</div>
</nav>
</header>

<!-- Navigation -->
<header>
<nav class="navbar navbar-default navbar-fixed-top">
<div class="container">
<div class="navbar-header">
<button class="navbar-toggle" type="button" data-toggle="collapse" data-target="#mainnav-collapse">
<span class="sr-only">Toggle navigation</span>
<span class="icon-bar"></span>
<span class="icon-bar"></span>
<span class="icon-bar"></span>
</button>
</div>
</div>
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```
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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

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.
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.

1.1317 maxmind-db 1.2.2

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1.1318 pip 20.1.1

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- Chris McDonough, 2011/02/16
- Wichert Akkerman, 2012/02/02

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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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1.1321 e2fsprogs 1.45.6-r0

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This is the Debian GNU/Linux prepackaged version of the static EXT2 file system consistency checker (e2fsck.static). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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# This is a Makefile stub which handles the creation of BSD shared libraries.
# In order to use this stub, the following makefile variables must be defined.
# 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 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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Index: tdsb/tdb.c
===================================================================
--- tdsb.orig/tdb.c
+++ tdsb/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 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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Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a
derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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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/

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Gadi Oxman, August 1995

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The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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* javax.websocket:javax.websocket-api

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* java.sun.security.ssl

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org.eclipse.jetty.toolchain:jetty-schemas

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Yoyodyne, Inc., hereby disclaims all copyright interest in the library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

1.1329 mesa 10.6.5 3.20150824.el7
1.1329.1 Available under license:

Subject: RE: Question about Mesa MLAA license
From: Jorge Jimenez <iryoku@gmail.com>
Date: 01/08/2013 12:50 PM
To: Tom Callaway <tcallawa@redhat.com>
CC: "jorge@iryoku.com" <jorge@iryoku.com>
Yes to both questions.

Thanks,
Jorge

---

On 01/08/2013 12:39 PM, Jorge Jimenez wrote:
> Hi Tom,
> > What we meant with that is that we made an exception for clause 2.
> > Instead of clause 2, in the case of the Mesa project, you have to name
> > the technique Jimenez's MLAA in the config options of Mesa. We did that
> > just to allow them to solve license issues. This exception should be for
> > the Mesa project, and any project using Mesa, like Fedora.
> > > We want to widespread usage of our MLAA, so we want to avoid any kind of
> > license complications. Hope current one is good for Fedora, if not
> > please tell, and we'll see what we can do!

Okay, a few more questions:

* If Fedora decides to simply reproduce the quoted statement:
  "Uses Jimenez's MLAA. Copyright (C) 2010 by Jorge Jimenez, Belen Masia,
  Jose I. Echevarria, Fernando Navarro and Diego Gutierrez."

Specifically, if this is done as part of documentation included with
Mesa, is that sufficient to meet clause 2 even if the Mesa config option
is not set as described in your exception?

* Currently, the Mesa config option for MLAA says: "Morphological
anti-aliasing based on Jimenez\' MLAA. 0 to disable, 8 for default
quality". Is this in compliance with your exception?

Thanks again,

~tom

---

Fedora Project
Hi Tom,

What we meant with that is that we made an exception for clause 2. Instead of clause 2, in the case of the Mesa project, you have to name the technique Jimenez's MLAA in the config options of Mesa. We did that just to allow them to solve license issues. This exception should be for the Mesa project, and any project using Mesa, like Fedora.

We want to widespread usage of our MLAA, so we want to avoid any kind of license complications. Hope current one is good for Fedora, if not please tell, and we'll see what we can do!

Cheers,
Jorge

From: Tom Callaway <tcallawa@redhat.com>
Sent: January 8, 2013 6:30 PM
To: jorge@iryoku.com
Subject: Question about Mesa MLAA license

Jorge,

Thanks for all of your fantastic graphics work! I have been auditing Fedora (a popular distribution of Linux) for license compliance and I came across your MLAA code in Mesa.

The license says:

* 2. Redistributions in binary form must reproduce the following statement:
   *
   * "Uses Jimenez's MLAA. Copyright (C) 2010 by Jorge Jimenez, Belen Masia, Jose I. Echevarria, Fernando Navarro and Diego Gutierrez."
   *
   * Only for use in the Mesa project, this point 2 is filled by naming the technique Jimenez's MLAA in the Mesa config options.

That wording is unclear. When you say "Only for use in the Mesa project...", it seems like you could either be saying:

- This code may only be used as part of Mesa.

OR

- In Mesa, you can comply with clause 2 by simply selecting "Jimenez's
MLAA" in the Mesa config options.

*****

If the first item is true, then we may have to remove the MLAA code from Fedora's copy of Mesa. However, looking at the license on your SMAA code, I do not believe it to be the case. Please let me know either way!

Thanks in advance,

Tom Callaway
Fedora Legal

==
Fedora Project

Some parts of Mesa are copyrighted under the GNU LGPL. See the Mesa/docs/COPYRIGHT file for details.

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Version 2, June 1991

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That's all there is to it!

1.1330 protobuf 1.24.0
1.1330.1 Available under license :

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1.1331 debianutils 4.4+b1

1.1331.1 Available under license :

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**1.1332 openssl 1.0.1e-51.el7_2.7**

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application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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If 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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END OF TERMS AND CONDITIONS

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The Arabic,Persian,Romanian,Bulgarian, Hindi and Bengali analyzers (common) come with a default stopword list that is BSD-licensed created by Jacques Savoy. These files reside in:
\texttt{analysis/common/src/resources/org/apache/lucene/analysis/ar/stopwords.txt},
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\texttt{analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt},
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\texttt{analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt},
\texttt{analysis/common/src/resources/org/apache/lucene/analysis/bn/stopwords.txt}

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\texttt{analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java}
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\texttt{analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java}
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The Stempel analyzer (stempel) includes BSD-licensed software developed by the Egothor project http://egothor.sf.net/, created by Leo Galambos, Martin Kvapil, and Edmond Nolan.

The Polish analyzer (stempel) comes with a default stopword list that is BSD-licensed created by the Carrot2 project. The file resides in
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  jar/org/springframework/plugin/core/OrderAwarePluginRegistry.java
* /opt/cola/permits/1177939664_1625570679.69/0/spring-plugin-core-1-2-0-release-sources-6-
  jar/org/springframework/plugin/core/config/PluginListDefinitionParser.java
* /opt/cola/permits/1177939664_1625570679.69/0/spring-plugin-core-1-2-0-release-sources-6-
  jar/org/springframework/plugin/core/config/PluginNamespaceHandler.java
* /opt/cola/permits/1177939664_1625570679.69/0/spring-plugin-core-1-2-0-release-sources-6-
  jar/org/springframework/plugin/core/PluginRegistry.java
* /opt/cola/permits/1177939664_1625570679.69/0/spring-plugin-core-1-2-0-release-sources-6-
  jar/org/springframework/plugin/core/support/AbstractTypeAwareSupport.java
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  jar/org/springframework/plugin/core/support/BeanListFactoryBean.java

1.1349 dom4j 2.1.1

1.1350 go-runtime 1.15.2
1.1350.1 Available under license:

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# An entry with multiple email addresses specifies that the
# first address should be used in the submit logs and
# that the other addresses should be recognized as the
# same person when interacting with Gerrit.

# Please keep the list sorted.

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1.1355 go-dockerclient 1.6.3

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1.1361 webencodings 0.5.1

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```
From setup tools import setup, find_packages
import io
from os import path
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=LONGDESCRIPTION,
    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/1110814957_1606854649.94/0/webencodings-0.5.1-1.tar.gz/webencodings-0.5.1/setup.py
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===

webencodings.mklabels
Regenerate the webencodings.labels module.

.. code-block::

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```

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.

    .. code-block::

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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(

```
This is a Python implementation of the `WHATWG Encoding standard`_.

* 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.

.. _`WHATWG Encoding standard`: http://encoding.spec.whatwg.org/
Platform: UNKNOWN
Classifier: Development Status :: 4 - Beta
Classifier: Intended Audience :: Developers
Classifier: License :: OSI Approved :: BSD License
Classifier: Programming Language :: Python
Classifier: Programming Language :: Python :: 2
Classifier: Programming Language :: Python :: 2.6
Classifier: Programming Language :: Python :: 2.7
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 :: Internet :: WWW/HTTP

Found in path(s):
* /opt/cola/permits/1110814957_1606854649.94/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/PKG-INFO
* /opt/cola/permits/1110814957_1606854649.94/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/webencodings.egg-info/PKG-INFO

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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
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* Python 2.6+ and 3.3+

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This module has encoding labels and BOM detection, but the actual implementation for encoders and decoders is Pythons.
1.1362 cpp 8.3.0 6

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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@end man

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DRuntime: Runtime Library for the D Programming Language

========================================================================

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The initial code for shuffling an array (originally in class "org.apache.commons.math3.random.RandomDataGenerator", now replaced by a method in class "org.apache.commons.math3.util.MathArrays") was inspired from the algorithm description provided in "Algorithms", by Ian Craw and John Pulham (University of Aberdeen 1999). The textbook (containing a proof that the shuffle is uniformly random) is available here:
http://citeseerx.ist.psu.edu/viewdoc/download;?doi=10.1.1.173.1898&rep=rep1&type=pdf

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When upgrading Lucene-Java Jars, remember to generate new Analysis factories for any new Tokenizers or TokenFilters. See the wiki for details...

http://wiki.apache.org/solr/CommitterInfo
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Woodstox is an XML-parser that allows parsing of XML documents in so-called pull mode (aka "pull parsing"). It specifically implements StAX 1.0 API:


which defines what is closest to being the J2xE standard for XML pull parsers.

Woodstox was originally written by Tatu Saloranta (<tatu.saloranta@iki.fi>.

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Byte Buddy is a code generation and manipulation library for creating and modifying Java classes during the runtime of a Java application and without the help of a compiler.

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You might want to interpret some document fields in more than one way. Solr has a mechanism for making copies of fields so that you can apply several distinct field types to a single piece of incoming information.

The name of the field you want to copy is the _source_, and the name of the copy is the _destination_. In
`schema.xml`, it's very simple to make copies of fields:

[source,xml]
```xml
<copyField source="cat" dest="text" maxChars="30000" />
```

In this example, we want Solr to copy the `cat` field to a field named `text`. Fields are copied before analysis >> is done, meaning you can have two fields with identical original content, but which use different analysis chains and are stored in the index differently.

In the example above, if the `text` destination field has data of its own in the input documents, the contents of the `cat` field will be added as additional values just as if all of the values had originally been specified by the client. Remember to configure your fields as `multivalued="true"` if they will ultimately get multiple values (either from a multivalued source or from multiple `copyField` directives).

A common usage for this functionality is to create a single "search" field that will serve as the default query field when users or clients do not specify a field to query. For example, `title`, `author`, `keywords`, and `body` may all be fields that should be searched by default, with copy field rules for each field to copy to a `catchall` field (for example, it could be named anything). Later you can set a rule in `solrconfig.xml` to search the `catchall` field by default. One caveat to this is your index will grow when using copy fields. However, whether this becomes problematic for you and the final size will depend on the number of fields being copied, the number of destination fields being copied to, the analysis in use, and the available disk space.

The `maxChars` parameter, an `int` parameter, establishes an upper limit for the number of characters to be copied from the source value when constructing the value added to the destination field. This limit is useful for situations in which you want to copy some data from the source field, but also control the size of index files.

Both the source and the destination of `copyField` can contain either leading or trailing asterisks, which will match anything. For example, the following line will copy the contents of all incoming fields that match the wildcard pattern `*_t` to the text field:

[source,xml]
```xml
<copyField source="*_t" dest="text" maxChars="25000" />
```

[IMPORTANT]

The `copyField` command can use a wildcard (*) character in the `dest` parameter only if the `source` parameter contains one as well. `copyField` uses the matching glob from the source field for the `dest` field name into which the source content is copied.

Copying is done at the stream source level and no copy feeds into another copy. This means that copy fields cannot be chained i.e., _you cannot_ copy from `here` to `there` and then from `there` to `elsewhere`. However, the same source field can be copied to multiple destination fields:
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 */

package org.apache.solr.security;

import java.util.Collection;
import java.util.Collections;
import java.util.HashSet;
import java.util.LinkedHashMap;
import java.util.List;
import java.util.Map;
import java.util.Set;
import java.util.function.Function;
import java.util.regex.Pattern;
import java.util.stream.Collectors;
import com.google.common.collect.ImmutableSet;
import org.apache.solr.common.SolrException;
import org.apache.solr.common.util.Utils;
import static java.util.Collections.singleton;
import static java.util.Collections.singletonList;
import static org.apache.solr.common.params.CommonParams.NAME;

class Permission {
    String name;
    Set<String> path, role, collections, method;
    Map<String, Function<String[], Boolean>> params;
    PermissionNameProvider.Name wellknownName;
    Map originalConfig;

    private Permission() {
    }

    static Permission load(Map m) {
        Permission p = new Permission();
        p.originalConfig = new LinkedHashMap<>(m);
        String name = (String) m.get(NAME);
        if (m.containsKey("role")) throw new SolrException(SolrException.ErrorCode.BAD_REQUEST, "role not specified");
        p.role = readValueAsSet(m, "role");
        if (PermissionNameProvider.Name.get(name) != null) {
            p.wellknownName = PermissionNameProvider.Name.get(name);
            HashSet<String> disAllowed = new HashSet<>(knownKeys);
            disAllowed.remove("role");
            disAllowed.remove("collection");
            disAllowed.remove("index");
            for (String s : disAllowed) {
                if (m.containsKey(s))
                    throw new SolrException(SolrException.ErrorCode.BAD_REQUEST, s + " is not a valid key for the permission : " + name);
            }
        }
        p.name = name;
    }
}
p.path = readSetSmart(name, m, "path");
p.collections = readSetSmart(name, m, "collection");
p.method = readSetSmart(name, m, "method");
Map<String, Object> paramRules = (Map<String, Object>) m.get("params");
if (paramRules != null) {
    p.params = new LinkedHashMap<>();
    for (Map.Entry<String, Object> e : paramRules.entrySet()) {
        if (e.getValue() == null) {
            p.params.put(e.getKey(), (String[] val) -> val == null);
        } else {
            List<String> patternStrs = e.getValue() instanceof List ?
                (List) e.getValue() :
                singletonList(e.getValue().toString());
            List patterns = patternStrs.stream()
                .map(it -> it.startsWith("REGEX:")) ?
                Pattern.compile(String.valueOf(it.substring("REGEX:".length())))
                    : it
                .collect(Collectors.toList());
            p.params.put(e.getKey(), val -> {
                if (val == null) return false;
                for (Object pattern : patterns) {
                    for (String s : val) {
                        if (pattern instanceof String) {
                            if (pattern.equals(s)) return true;
                        } else if (pattern instanceof Pattern) {
                            if (((Pattern) pattern).matcher(s).find()) return true;
                        }
                    }
                }
                return false;
            });
        }
    }
    return p;
}

/**
 * This checks for the defaults available other rules for the keys
 */
private static Set<String> readSetSmart(String permissionName, Map m, String key) {
    if(PermissionNameProvider.values.containsKey(permissionName) && !m.containsKey(key) &&
        "collection".equals(key)) {
        return PermissionNameProvider.Name.get(permissionName).collName;
    }
    Set<String> set = readValueAsSet(m, key);
    if ("method".equals(key)) {
        if (set != null) {
            return set;
        }
    }
}
for (String s : set) if (!HTTP_METHODS.contains(s)) return null;
}
return set;
}
return set == null ? singleton(null) : set;

/**
 * read a key value as a set. if the value is a single string ,
 * return a singleton set
 *
 * @param m the map from which to lookup
 * @param key the key with which to do lookup
 */
static Set<String> readValueAsSet(Map m, String key) {
  Set<String> result = new HashSet<>();
  Object val = m.get(key);
  if (val == null) {
    if("collection".equals(key)) {
      //for collection collection: null means a core admin/ collection admin request
      // otherwise it means a request where collection name is ignored
      return m.containsKey(key) ? singleton(null) : singleton("*");
    }
    return null;
  }
  if (val instanceof Collection) {
    Collection list = (Collection) val;
    for (Object o : list) result.add(String.valueOf(o));
  } else if (val instanceof String) {
    result.add((String) val);
  } else {
    throw new RuntimeException("Bad value for : " + key);
  }
  return result.isEmpty() ? null : Collections.unmodifiableSet(result);
}

@Override
public String toString() {
  return Utils.toJSONString(originalConfig);
}

static final Set<String> knownKeys = ImmutableSet.of("collection", "role", "params", "path", "method", NAME,"index");
public static final Set<String> HTTP_METHODS = ImmutableSet.of("GET", "POST", "DELETE", "PUT", "HEAD");

}
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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.
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Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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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The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

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The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

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b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

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1.1372 netty-transport-native-epoll

4.1.48.Final

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* /opt/cola/permits/1177956784_1625584654.92/0/netty-transport-native-epoll-4-1-48-final-sources-5-jar/netty_epoll_linuxsocket.h
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/**
 * Set the {code TCP_MD5SIG} option on the socket. See {code linux/tcp.h} for more details.
 * Keys can only be set on, not read to prevent a potential leak, as they are confidential.
 * Allowing them being read would mean anyone with access to the channel could get them.
 */
/**
 * Set the {code TCP_QUICKACK} option on the socket. See <a
 * href="http://linux.die.net/man/7/tcp">TCP_QUICKACK</a>
 * for more details.
 */

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1.1373 fmt 8.0.1
1.1373.1 Available under license:

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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1.1376 md5-simd 1.1.0

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If such an object file uses only numerical parameters, data
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Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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1.1382 mmap-go 1.0.0

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1.1384 rsyslog 8.24.0-57.el7_9.0atomix1

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  jar/io/netty/handler/logging/ByteBufFormat.java
* /opt/cola/permits/1177956799_1625584593.27/0/netty-handler-4-1-48-final-sources-4-
  jar/io/netty/handler/address/ResolveAddressHandler.java
* /opt/cola/permits/1177956799_1625584593.27/0/netty-handler-4-1-48-final-sources-4-
  jar/io/netty/handler/ssl/SslHandshakeTimeoutException.java
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  jar/io/netty/handler/ssl/PemPrivateKey.java
* /opt/cola/permits/1177956799_1625584593.27/0/netty-handler-4-1-48-final-sources-4-
  jar/io/netty/handler/ssl/OpenSslKeyMaterialManager.java
* /opt/cola/permits/1177956799_1625584593.27/0/netty-handler-4-1-48-final-sources-4-
  jar/io/netty/handler/ssl/DelegatingSslContext.java
* /opt/cola/permits/1177956799_1625584593.27/0/netty-handler-4-1-48-final-sources-4-
  jar/io/netty/handler/ssl/OpenSslCertificateException.java
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  jar/io/netty/handler/ssl/ReferenceCountedOpenSslEngine.java
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* /opt/cola/permits/1177956799_1625584593.27/0/netty-handler-4-1-48-final-sources-4-jar/io/netty/handler/ssl/OpenSslTls13X509ExtendedTrustManager.java
* /opt/cola/permits/1177956799_1625584593.27/0/netty-handler-4-1-48-final-sources-4-jar/io/netty/handler/ssl/OpenSslCachingKeyMaterialProvider.java
* /opt/cola/permits/1177956799_1625584593.27/0/netty-handler-4-1-48-final-sources-4-jar/io/netty/handler/ssl/OpenSslX509Certificate.java
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* /opt/cola/permits/1177956799_1625584593.27/0/netty-handler-4-1-48-final-sources-4-jar/io/netty/handler/ssl/JettyNpnSslEngine.java
* /opt/cola/permits/1177956799_1625584593.27/0/netty-handler-4-1-48-final-sources-4-jar/io/netty/handler/ssl/JdkAlpnApplicationProtocolNegotiator.java
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  jar/io/netty/handler/ssl/OpenSslContext.java
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  jar/io/netty/handler/ssl/OpenSslEngine.java
- /opt/cola/permits/1177956799_1625584593.270/netty-handler-4-1-48-final-sources-4-
  jar/io/netty/handler/ssl/OpenSslClientContext.java
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  jar/io/netty/handler/ssl/OpenSslSessionContext.java
jar/io/netty/handler/ipfilter/IpFilterRuleType.java
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  jar/io/netty/handler/address/package-info.java
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  jar/io/netty/handler/ssl/PseudoRandomFunction.java
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  jar/io/netty/handler/ssl/TrustManagerFactoryWrapper.java
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  jar/io/netty/handler/ssl/util/X509KeyManagerWrapper.java
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  jar/io/netty/handler/ssl/ApplicationProtocolNames.java
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  jar/io/netty/handler/ssl/OpenSslSessionTicketKey.java
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  jar/io/netty/handler/ssl/ApplicationProtocolNegotiationHandler.java
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* /opt/cola/permits/1177956799_1625584593.27/0/netty-handler-4-1-48-final-sources-4-
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  jar/io/netty/handler/ssl/Conscrypt.java
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1.1405 unzip 6.0 15.el7

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Frequently Asked Questions regarding (re)distribution of Zip and UnZip are near the end of this file.

There are no known patents on any of the code in UnZip. Unisys claims a patent on LZW encoding and on LZW decoding _in an apparatus that performs LZW encoding_, but the patent appears to exempt a stand-alone decoder (as in UnZip's unshrink.c). Unisys has publicly claimed otherwise, but the issue has never been tested in court. Since this point is unclear, unshrinking is not enabled by default. It is the responsibility of the user to make his or her peace with Unisys and its licensing requirements. (unshrink.c may be removed from future releases altogether.)

The original unzip source code has been extensively modified and almost entirely rewritten (changes include random zipfile access rather than sequential; replacement of unimplode() with explode(); replacement of old unshrink() with new (unrelated) unshrink(); replacement of output routines; addition of inflate(), wildcards, filename-mapping, text translation, ...; etc.). As far as we can tell, only the core code of the unreduce method remained substantially similar to Mr. Smith's original source. As of UnZip 5.42, the complete core code is now covered by the Info-ZIP Licence. Therefore, support for the reduce method has been removed. The drop of the reduce method should only affect some test archives, reducing was never used in any publically distributed Zip program. For pathologic cases where support for reduced archive entries is needed, the unreduce code copyrighted by Samuel H. Smith is available as a separate distribution (the restricted copyright of this code is cited below in the "historical" section).

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Regarding the first stipulation, Mr. Smith was tracked down in southern California some years back [Samuel H. Smith, The Tool Shop; as of mid-May 1994, (213) 851-9969 (voice), (213) 887-2127(?) (subscription BBS), 71150.2731@compuserve.com]:

"He says that he thought that whoever contacted him understood that he has no objection to the Info-ZIP group's inclusion of his code. His primary concern is that it remain freely distributable, he said."

Despite the fact that our "normal" code has been entirely rewritten and by default no longer contains any of Mr. Smith's code, Info-ZIP remains indebted and grateful to him. We hope he finds our contributions as useful as we have his.

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The remaining code was written by many people associated with the
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Greg Roelofs (overall program logic, ZipInfo, unshrink, filename
mapping/portability, etc.), Mark Adler (inflate, explode, funzip),
Kai Uwe Rommel (OS/2), John Bush and Paul Kienitz (Amiga), Antoine
Verheijen (Macintosh), Hunter Goatley (more VMS), Mike White (Windows
DLLs), Christian Spieler (overall logic, optimization, VMS, etc.) and
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The decompression core code for the deflate method (inflate.[ch],
eexplode.c) was originally written by Mark Adler who submitted it
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-------------------------------------------------------------------

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1.1407 libsemanage 2.1.10 18.el7

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1.1408 ebtables 2.0.10 13.el7

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1.1411 jline-terminal-jna 3.10.0

1.1412 merger 0.0.0-20171009183408-7fe0c75c13ab

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import: ../../../../fossene/db/schema/thing.yml

fields:
  site: string
  author: root
1.1413 gopkg-in/ldap 3.0.3

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1.1414 jedib0t-go-pretty 4.2.1+incompatible

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mgo - MongoDB driver for Go

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1.1415 libcroco 0.6.8 5.el7
1.1415.1 Available under license:

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Version 2, June 1991

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[This is the first released version of the library GPL. It is
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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free
libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

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<signature of Ty Coon>, 1 April 1990
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1.1416 zlib 1.2.5

1.1416.1 Available under license:

/* zlib.h -- interface of the 'zlib' general purpose compression library
   version 1.2.11, January 15th, 2017

   Copyright (C) 1995-2017 Jean-loup Gailly and Mark Adler

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   Jean-loup Gailly          Mark Adler
   jloup@gzip.org            madler@alumni.caltech.edu

*/

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1.1417 python-prettytable 0.7.2 3.el7

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1.1418 tevent 0.9.26-1.el7_2.1

1.1418.1 Available under license:

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1.1419 rpm 4.11.3-45.el7

1.1419.1 Available under license:

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Version 2, June 1991

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Ty Coon, President of Vice

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1.1420 libssh 0.7.1-7.el7
1.1420.1 Available under license :

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Linking with OpenSSL

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- /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/tree/pattern/ParseTreeMatch.java
- /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/ParserInterpreter.java
- /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/tree/pattern/RuleTagToken.java
- /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/tree/pattern/TextChunk.java
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* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/tree/pattern/TagChunk.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/tree/pattern/ParseTreePattern.java

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* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/Token.java
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* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/atn/ActionTransition.java
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* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/antlr/v4/runtime/tree/ErrorNodeImpl.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/antlr/v4/runtime/atn/StarLoopEntryState.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/antlr/v4/runtime/tree/ParseTreeVisitor.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/antlr/v4/runtime/tree/ErrorNodeImpl.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/antlr/v4/runtime/atn/StarLoopEntryState.java
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* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/antlr/v4/runtime/dfa/DFASerializer.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/ATNConfigSet.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/PredictionContext.java
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* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/atn/ATNConfigSet.java
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* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/tree/ParseTreeWalker.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/ProxyErrorListener.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/ANTLRInputStream.java
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* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/antlr/v4/runtime/tree/SyntaxTree.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/antlr/v4/runtime/atn/DecisionState.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/antlr/v4/runtime/misc/ParseCancellationException.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/antlr/v4/runtime/ANTLRFileStream.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/antlr/v4/runtime/ANTLRErrorListener.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/antlr/v4/runtime/ParserRuleContext.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/antlr/v4/runtime/Recognize...ator.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/antlr/v4/runtime/atn/ATN.java
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* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/antlr/v4/runtime/ANTLRErrorListener.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/antlr/v4/runtime/BaseErrorListener.java

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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/antlr/v4/runtime/lexer/LexerPopModeAction.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/antlr/v4/runtime/lexer/LexerChannelAction.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/antlr/v4/runtime/lexer/LexerActionExecutor.java

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1.1431 josherian-intern 1.0.0

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1.1433 grpc-ecosystem-grpc-opentracing
0.0.0-20180507213350-8e809c8a8645

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1.1434 decorator 3.4.0

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Found in path(s):
* /opt/cola/permits/1154644470_1618870926.16/0/decorator-3-4-0-1-tar-gz/decorator-3.4.0/src/decorator.py

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try:
from setuptools import setup
except ImportError:
    from distutils.core import setup
import os.path

def getversion(fname):
    """Get the __version__ reading the file: works both in Python 2.X and 3.X,
    whereas direct importing would break in Python 3.X with a syntax error"""
    for line in open(fname):
        if line.startswith('__version__'):
            return eval(line[13:14])
    raise NameError('Missing __version__ in decorator.py')

VERSION = getversion(os.path.join(os.path.dirname(__file__), 'src/decorator.py'))

if __name__ == '__main__':
    setup(name='decorator',
          version=VERSION,
          description='Better living through Python with decorators',
          long_description=open('README.txt').read(),
          author='Michele Simionato',
          author_email='michele.simionato@gmail.com',
          url='http://pypi.python.org/pypi/decorator',
          license='BSD License',
          package_dir = {'': 'src'},
          py_modules = ['decorator'],
          keywords="decorators generic utility",
          platforms=["All"],
          classifiers=[
                  'Development Status :: 5 - Production/Stable',
                  'Intended Audience :: Developers',
                  'License :: OSI Approved :: BSD License',
                  'Natural Language :: English',
                  'Operating System :: OS Independent',
                  'Programming Language :: Python',
                  'Programming Language :: Python :: 3',
                  'Topic :: Software Development :: Libraries',
                  'Topic :: Utilities'],
          use_2to3=True,
          zip_safe=False)

Found in path(s):
* /opt/cola/permits/1154644470_1618870926.16/0/decorator-3.4.0-1-tar-gz/decorator-3.4.0/setup.py
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Decorator module

==================

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Installation
-------------

If you are lazy, just perform

$ easy_install decorator

which will install just the module on your system. Notice that Python 3 requires the easy_install version of the distribute project.

If you prefer to install the full distribution from source, including the documentation, download the tarball, unpack it and run

$ python setup.py install

in the main directory, possibly as superuser.

.. _tarball: http://pypi.python.org/pypi/decorator
.. _distribute: http://packages.python.org/distribute/

Testing
--------

For Python 2.5, 2.6, 2.7 run

$ python documentation.py

for Python 3.X run

$ python documentation3.py

You will see a few innocuous errors with Python 2.5, because some inner details such as the introduction of the ArgSpec namedtuple and Thread.__repr__ changed. You may safely ignore them.

You cannot run the tests in Python 2.4, since there is a test using the with statement, but the decorator module is expected to work anyway (it has been used in production with Python 2.4 for years). My plan is to keep supporting all Python versions >= 2.4 in the core module, but I will keep the documentation and the tests updated only
for the latest Python versions in both the 2.X and 3.X branches.

Finally, notice that you may run into trouble if in your system there is an older version of the decorator module; in such a case remove the old version.

Documentation
--------------

There are various versions of the documentation:

- `HTML version (Python 2)`_
- `PDF version (Python 2)`_

- `HTML version (Python 3)`_
- `PDF version (Python 3)`_


Repository
------------

The project is hosted on GoogleCode as a Mercurial repository. You can look at the source here:

http://code.google.com/p/micheles/source/browse/#hg%2Fdecorator

Found in path(s):
* /opt/cola/permits/1154644470_1618870926.16/0/decorator-3-4-0-1-tar-gz/decorator-3.4.0/README.txt

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Metadata-Version: 1.1
Name: decorator
Version: 3.4.0
Summary: Better living through Python with decorators
Home-page: http://pypi.python.org/pypi/decorator
Author: Michele Simionato
Author-email: michele.simionato@gmail.com
License: BSD License
Description: Decorator module

:Author: Michele Simionato
:E-mail: michele.simionato@gmail.com
Installation
-------------

If you are lazy, just perform

$ easy_install decorator

which will install just the module on your system. Notice that Python 3 requires the easy_install version of the distribute_project.

If you prefer to install the full distribution from source, including the documentation, download the tarball, unpack it and run

$ python setup.py install

in the main directory, possibly as superuser.

.. _tarball: http://pypi.python.org/pypi/decorator
.. _distribute: http://packages.python.org/distribute/

Testing
-------

For Python 2.5, 2.6, 2.7 run

$ python documentation.py

for Python 3.X run

$ python documentation3.py

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The project is hosted on GoogleCode as a Mercurial repository. You
can look at the source here:

http://code.google.com/p/micheles/source/browse/#hg%2Fdecorator

Keywords: decorators generic utility
Platform: All
Classifier: Development Status :: 5 - Production/Stable
Classifier: Intended Audience :: Developers
Classifier: License :: OSI Approved :: BSD License
Classifier: Natural Language :: English
Classifier: Operating System :: OS Independent
Classifier: Programming Language :: Python
Classifier: Programming Language :: Python :: 3
Classifier: Topic :: Software Development :: Libraries
Classifier: Topic :: Utilities

Found in path(s):
* /opt/cola/permits/1154644470_1618870926.16/0/decorator-3.4.0-1.tar.gz/decorator-3.4.0/src/decorator.egg-info/PKG-INFO
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* /opt/cola/permits/1154644470_1618870926.16/0/decorator-3-4-0-1-tar-gz/decorator-3.4.0/documentation.py
* /opt/cola/permits/1154644470_1618870926.16/0/decorator-3-4-0-1-tar-gz/decorator-3.4.0/documentation3.py

1.1435 kubernetes-api 0.17.4
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1.1436 libsgutils 1.37-5.el7

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

  * javax.servlet:javax.servlet-api
  * javax.annotation:javax.annotation-api
  * javax.transaction:javax.transaction-api
  * javax.websocket:javax.websocket-api

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Oracle OpenJDK
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* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.  
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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 Assorted

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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

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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.eclipse.jetty.toolchain:jetty-schemas

-----
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* java.sun.security.ssl

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* 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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LBDVaad1bJ1v1EHY901kPcg=
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Date:
Signature:

Name: Gordon King

Positions: Chief Operational Officer

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<table>
<thead>
<tr>
<th>Name</th>
<th>Date added</th>
</tr>
</thead>
<tbody>
<tr>
<td>Simone Bordet</td>
<td>12 September 2006</td>
</tr>
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 *
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 *
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#elseif USE_LIB_REGEX
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*/

/* Definitions for data structures and routines for the regular
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1.1460 hashicorp-go-plugin 1.2.2
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1.1461 go-difflib 1.0.0

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package main

import (
    "bufio"
    "bytes"
    "flag"
    "fmt"
    "io"
    "log"
    "os"
    "path/filepath"
    "strings"
)

const crUsageString = `xb copyright [options] <path>....
The xb copyright command adds a copyright remark to all go files below path.

    -h  prints this message and exits
`

func crUsage(w io.Writer) {
    fmt.Fprintf(w, crUsageString)
}

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.Fprintf(buf, "//", s); 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)
}

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for _, path := range flag.Args() {
    fi, err := os.Stat(path)
    if err != nil {
        log.Print(err)
        continue
    }
    if !fi.IsDir() {
        log.Printf("%s is not a directory", path)
        continue
    }
    if err = filepath.Walk(path, walkCopyrights); err != nil {
        log.Fatalf("%s error %s", path, err)
    }
}

1.1464 newt 0.52.15 4.el7
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1.1465 mapper-extras 6.8.3

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1.1467 xz 5.2.2-1.el7_9.0atomix1

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1.1473 simpleclient-hotspot 0.6.0

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* /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.

---

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)',
        'Topic :: Software Development :: Libraries :: Python Modules',
        'Topic :: Utilities',
    ],
    'python_requires': '>=2.7, !=3.0.*, !=3.1.*, !=3.2.*, !=3.3.*',
}

setup(**arguments)

if __name__ == '__main__':
    main()

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Protocol Buffers for Go with Gadgets

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tomb - support for clean goroutine termination in Go.

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1.1502 x-sys 0.0.0-20191010194322-b09406accb47
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This package contains a modified version of ca-bundle.crt:

ca-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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@(#) SRCSfile: certdata.txt,v $ $Revision: 1.80 $ $Date: 2011/11/03 15:11:58 $

1.1504 urllib3 1.25.6

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# Contributions to the urllib3 project

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## Contributors

In chronological order:

* victor.vde <http://code.google.com/u/victor.vde/>
* HTTPS patch (which inspired HTTPSConnectionPool)

* erikcederstrand <http://code.google.com/u/erikcederstrand/>
  * NTLM-authenticated HTTPSConnectionPool
  * Basic-authenticated HTTPSConnectionPool (merged into make_headers)

* niphlod <niphlod@gmail.com>
  * Client-verified SSL certificates for HTTPSConnectionPool
  * Response gzip and deflate encoding support
  * Better unicode support for filepost using StringIO buffers

* btoconnor <brian@btoconnor.net>
  * Non-multipart encoding for POST requests

* p.dobrogost <http://code.google.com/u/@WBRSRIBZDhBFXQB6/>
  * Code review, PEP8 compliance, benchmark fix

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  * Bugfixes, suggestions, Requests integration

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  * Bugfixes, Improvements and Test coverage

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  * Python 3 support

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* Shivaram Lingamneni <slingamn@cs.stanford.edu>
  * Support for explicitly closing pooled connections

* hartator <hartator@gmail.com>
  * Corrected multipart behavior for params

* Thomas Weischuh <thomas@t-8ch.de>
  * Support for TLS SNI
  * API unification of ssl_version/cert_reqs
  * SSL fingerprint and alternative hostname verification
  * Bugfixes in testsuite

* Sune Kirkeby <mig@ibofobi.dk>
  * Optional SNI-support for Python 2 via PyOpenSSL.

* Marc Schlaich <marc.schlaich@gmail.com>
* Various bugfixes and test improvements.

* Bryce Boe <bbzbryce@gmail.com>
  * Correct six.moves conflict
  * Fixed pickle support of some exceptions

* Boris Figovsky <boris.figovsky@ravellosystems.com>
  * Allowed to skip SSL hostname verification

* Cory Benfield <https://lukasa.co.uk/about/> 
  * Stream method for Response objects.
  * Return native strings in header values.
  * Generate 'Host' header when using proxies.

* Jason Robinson <jaywink@basshero.org>
  * Add missing WrappedSocket.fileno method in PyOpenSSL

* Audrius Butkevicius <audrius.butkevicius@elastichosts.com>
  * Fixed a race condition

* Stanislav Vitkovskiy <stas.vitkovsky@gmail.com>
  * Added HTTPS (CONNECT) proxy support

* Stephen Holsapple <sholsapp@gmail.com>
  * Added abstraction for granular control of request fields

* Martin von Gagern <Martin.vGagern@gmx.net>
  * Support for non-ASCII header parameters

* Kevin Burke <kev@inburke.com> and Pavel Kirichenko <juanych@yandex-team.ru>
  * Support for separate connect and request timeouts

* Peter Waller <p@pwaller.net>
  * HTTPResponse.tell() for determining amount received over the wire

* Nipunn Koorapati <nipunn1313@gmail.com>
  * Ignore default ports when comparing hosts for equality

* Danilo @dbrgn <https://dbrgn.ch/> 
  * Disabled TLS compression by default on Python 3.2+
  * Disabled TLS compression in pyopenssl contrib module
  * Configurable cipher suites in pyopenssl contrib module

* Roman Bogorodskiy <roman.bogorodskiy@ericsson.com>
  * Account retries on proxy errors

* Nicolas Delaby <nicolas.delaby@ezeep.com>
  * Use the platform-specific CA certificate locations
* Josh Schneier <https://github.com/jschneier>
  * HTTPHeaderDict and associated tests and docs
  * Bugfixes, docs, test coverage

* Tahia Khan <http://tahia.tk/>
  * Added Timeout examples in docs

* Arthur Grunseid <https://grunseid.com>
  * source_address support and tests (with https://github.com/bui)

* Ian Cordasco <graffatcolmingov@gmail.com>
  * PEP8 Compliance and Linting
  * Add ability to pass socket options to an HTTP Connection

* Erik Tollerud <erik.tollerud@gmail.com>
  * Support for standard library io module.

* Krishna Prasad <kprasad.iitd@gmail.com>
  * Google App Engine documentation

* Aaron Meurer <asmeurer@gmail.com>
  * Added Url.url, which unparses a Url

* Evgeny Kapun <abacabadabacaba@gmail.com>
  * Bugfixes

* Benjamen Meyer <bm_witness@yahoo.com>
  * Security Warning Documentation update for proper capture

* Shivan Sornarajah <github@sornars.com>
  * Support for using ConnectionPool and PoolManager as context managers.

* Alex Gaynor <alex.gaynor@gmail.com>
  * Updates to the default SSL configuration

* Tomas Tomecek <ttomecek@redhat.com>
  * Implemented generator for getting chunks from chunked responses.

* tlynn <https://github.com/tlynn>
  * Respect the warning preferences at import.

* David D. Riddle <ddriddle@illinois.edu>
  * IPv6 bugfixes in testsuite

* Thea Flowers <magicalgirl@google.com>
  * App Engine environment tests.
  * Documentation re-write.
* John Krauss <https://github.com/talos>
  * Clues to debugging problems with `cryptography` dependency in docs

* Disassem <https://github.com/Disassem>
  * Fix pool-default headers not applying for url-encoded requests like GET.

* James Atherfold <jlatherfold@hotmail.com>
  * Bugfixes relating to cleanup of connections during errors.

* Christian Pedersen <https://github.com/chripede>
  * IPv6 HTTPS proxy bugfix

* Jordan Moldow <https://github.com/jmoldow>
  * Fix low-level exceptions leaking from ```HTTPResponse.stream()```
  * Bugfix for ```ConnectionPool.urlopen(release_conn=False)```
  * Creation of ```HTTPConnectionPool.ResponseCls```.

* Predrag Gruevski <https://github.com/obi1kenobi>
  * Made cert digest comparison use a constant-time algorithm.

* Adam Talsma <https://github.com/a-tal>
  * Bugfix to ca_cert file paths.

* Evan Meagher <https://evanmeagher.net>
  * Bugfix related to `memoryview` usage in PyOpenSSL adapter

* John Vandenberg <jayvdb@gmail.com>
  * Python 2.6 fixes; pyflakes and pep8 compliance

* Andy Caldwell <andy.m.caldwell@googlemail.com>
  * Bugfix related to reusing connections in indeterminate states.

* Ville Skytt <ville.skytta@iki.fi>
  * Logging efficiency improvements, spelling fixes, Travis config.

* Shige Takeda <smtakeda@gmail.com>
  * Started Recipes documentation and added a recipe about handling concatenated gzip data in HTTP response

* Jess Shapiro <jesse@jesseshapiro.net>
  * Various character-encoding fixes/tweaks
  * Disabling IPv6 DNS when IPv6 connections not supported

* David Foster <http://dafoster.net/>
  * Ensure order of request and response headers are preserved.

* Jeremy Cline <jeremy@jcline.org>
  * Added connection pool keys by scheme
* Aviv Palivoda <palaviv@gmail.com>
  * History list to Retry object.
  * HTTPResponse contains the last Retry object.

* Nate Prewitt <nate.prewitt@gmail.com>
  * Ensure timeouts are not booleans and greater than zero.
  * Fixed infinite loop in `stream` when amt=None.
  * Added length_remaining to determine remaining data to be read.
  * Added enforce_content_length to raise exception when incorrect content-length received.

* Seth Michael Larson <sethmichaellarson@protonmail.com>
  * Created selectors backport that supports PEP 475.

* Alexandre Dias <alexdias@smarks.com>
  * Don't retry on timeout if method not in whitelist.

* Moinuddin Quadri <moin18@gmail.com>
  * Lazily load idna package.

* Tom White <s6yg1ez3@mail2tor.com>
  * Made SOCKS handler differentiate socks5h from socks5 and socks4a from socks4.

* Tim Burke <tim.burke@gmail.com>
  * Stop buffering entire deflate-encoded responses.

* Tuukka Mustonen <tuukka.mustonen@gmail.com>
  * Add counter for status_forcelist retries.

* Erik Rose <erik@mozilla.com>
  * Bugfix to pyopenssl vending.

* Wolfgang Richter <wolfgang.richter@gmail.com>
  * Bugfix related to loading full certificate chains with PyOpenSSL backend.

* Mike Miller <github@mikeage.net>
  * Logging improvements to include the HTTP(S) port when opening a new connection.

* Ioannis Tziakos <mail@tziakos.gr>
  * Fix `util.selectors._fileobj_to_fd` to accept `long`.
  * Update appveyor tox setup to use the 64bit python.

* Akamai (through Jess Shapiro) <jshapiro@akamai.com>
  * Ongoing maintenance; 2017-2018

* Dominique Leuenberger <dimstar@opensuse.org>
  * Minor fixes in the test suite.
* Will Bond <will@wbond.net>
  * Add Python 2.6 support to `contrib.securetransport`

* Aleksei Alekseev <alekseev.yeskela@gmail.com>
  * using auth info for socks proxy

* Chris Wilcox <git@crwilcox.com>
  * Improve contribution guide
  * Add `HTTPResponse.geturl` method to provide `urllib2.urlopen().geturl()` behavior

* Bruce Merry <https://www.brucemerry.org.za>
  * Fix leaking exceptions when system calls are interrupted with zero timeout

* Hugo van Kemenade <https://github.com/hugovk>
  * Drop support for EOL Python 2.6

* Tim Bell <https://github.com/timb07>
  * Bugfix for responses with Content-Type: message/* logging warnings

* Justin Bramley <https://github.com/jbramleycl>
  * Add ability to handle multiple Content-Encodings

* Katsuhiko YOSHIDA <https://github.com/kyoshidajp>
  * Remove Authorization header regardless of case when redirecting to cross-site

* James Meickle <https://permadeath.com/>
  * Improve handling of Retry-After header

* Chris Jerdonek <chris.jerdonek@gmail.com>
  * Remove a spurious TypeError from the exception chain inside HTTPConnectionPool._make_request(), also for BaseExceptions.

* [Your name or handle] <[email or website]>
  * [Brief summary of your changes]

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1.1510 tcl 8.5.13-8.el7_9.0atomix1

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1.1511 jetty-continuation 9.4.27.v20200227

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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
-----

**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

-----

**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**

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[https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html](https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html)
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1.1520 zookeeper 3.6.3-2.ph4

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/**
 * A [@link WebApplicationContext] that can be used to bootstrap itself from a contained
 * [@link ServletWebServerFactory] bean.
 * <p>
 * This context will create, initialize and run an [@link WebServer] by searching for a
 * single [@link ServletWebServerFactory] bean within the [@link ApplicationContext]
 * itself. The [@link ServletWebServerFactory] is free to use standard Spring concepts
 * (such as dependency injection, lifecycle callbacks and property placeholder variables).
 * <p>
 * In addition, any [@link Servlet] or [@link Filter] beans defined in the context will be
 * automatically registered with the web server. In the case of a single Servlet bean, the
* '/' mapping will be used. If multiple Servlet beans are found then the lowercase bean
* name will be used as a mapping prefix. Any Servlet named 'dispatcherServlet' will
* always be mapped to '/'. Filter beans will be mapped to all URLs ('/*').
* <p>
* For more advanced configuration, the context can instead define beans that implement
* the [@link ServletContextInitializer] interface (most often
* [@link ServletRegistrationBean]s and/or [@link FilterRegistrationBean]s). To prevent
* double registration, the use of [@link ServletContextInitializer] beans will disable
* automatic Servlet and Filter bean registration.
* <p>
* Although this context can be used directly, most developers should consider using the
* [@link AnnotationConfigServletWebServerApplicationContext] or
* [@link XmlServletWebServerApplicationContext] variants.
* <p>
* @author Phillip Webb
* @author Dave Syer
* @since 2.0.0
* @see AnnotationConfigServletWebServerApplicationContext
* @see XmlServletWebServerApplicationContext
* @see ServletWebServerFactory
*/

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io.helidon.config.yaml.internal.YamlFileTypeDetector

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io.helidon.config.yaml.internal.YamlConfigParser

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1.1526 jinja2 2.10.1

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1.1539 go-yaml 2.2.4
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1.1554 e2fsprogs 1.42.9-19.el7

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This is the Debian GNU/Linux prepackaged version of the static EXT2 file system consistency checker (e2fsck.static). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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# This 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-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

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+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
*/
/*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
-
- Copyright (C) Andrew Tridgell 2005
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Theodore Ts'o
23-June-2007

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It is part of the main e2fsprogs distribution, which can be found at:

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This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
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Gadi Oxman, August 1995

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MA 02111-1307, USA

1.1561 simpleclient-hotspot 0.10.0
1.1561.1 Available under license:
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<url>http://www.apache.org/licenses/LICENSE-2.0.txt</url>

Found in path(s):
* /opt/cola/permits/1144886518_1628832503.55/0/simpleclient-hotspot-0-10-0-jar/META-INF/maven/io.prometheus/simpleclient_hotspot/pom.xml
No license file was found, but licenses were detected in source scan.

Manifest-Version: 1.0
Bnd-LastModified: 1611582640123
Build-Jdk: 1.8.0_275
Built-By: bbrazi1
Bundle-Description: Collectors of data from Java Hotspot.
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt
Bundle-ManifestVersion: 2
Bundle-Name: Prometheus Java Simpleclient Hotspot
Bundle-SymbolicName: io.prometheus.simpleclient_hotspot
Bundle-Version: 0.10.0
Created-By: Apache Maven Bundle Plugin
Export-Package: io.prometheus.client.hotspot;uses:="io.prometheus.client"
";version="0.10.0"
Import-Package: com.sun.management,io.prometheus.client;version="[0.10,1
)",javax.management,javax.management.openmbean
Tool: Bnd-2.1.0.20130426-122213

Found in path(s):
* /opt/cola/permits/1144886518_1628832503.55/0/simpleclient-hotspot-0-10-0-jar/META-INF/MANIFEST.MF

1.1562 libxdmcp 1.1.1 6.1.el7
1.1562.1 Available under license:
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Author:  Keith Packard, MIT X Consortium

1.1563 antlr-runtime 4.5.3

1.1564 influxdb 2.0.1
1.1564.1 Available under license:
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license='MIT License',
'License :: OSI Approved :: MIT License',

Found in path(s):
* /opt/cola/permits/1226433294_1636549987.3/0/influxdb-2-0-1-1-tar-gz/influxdb-2.0.1/setup.py
No license file was found, but licenses were detected in source scan.

Metadata-Version: 1.1
Name: influxdb
Version: 2.0.1
Summary: InfluxDB client
Home-page: https://github.com/influxdb/influxdb-python
InfluxDB-Python is a client for interacting with InfluxDB.

.. image:: https://travis-ci.org/influxdb/influxdb-python.svg?branch=master
   :target: https://travis-ci.org/influxdb/influxdb-python

.. image:: https://readthedocs.org/projects/influxdb-python/badge/?version=latest&style
   :target: http://influxdb-python.readthedocs.org/
   :alt: Documentation Status

.. image:: https://img.shields.io/coveralls/influxdb/influxdb-python.svg
   :target: https://coveralls.io/r/influxdb/influxdb-python
   :alt: Coverage

.. image:: https://pypip.in/download/influxdb/badge.svg
   :target: https://pypi.python.org/pypi//influxdb/
   :alt: Downloads

.. image:: https://pypip.in/version/influxdb/badge.svg
   :target: https://pypi.python.org/pypi/influxdb/
   :alt: Latest Version

.. image:: https://pypip.in/py_versions/influxdb/badge.svg
   :target: https://pypi.python.org/pypi/influxdb/
   :alt: Supported Python versions

.. image:: https://pypip.in/license/influxdb/badge.svg
   :target: https://pypi.python.org/pypi/influxdb/
   :alt: License

.. _readme-about:

InfluxDB is an open-source distributed time series database, find more about InfluxDB at http://influxdb.com/

.. _installation:

InfluxDB > v0.9 support

=================================

The 1.0.0 version of this library now supports InfluxDB 0.9. Please note that InfluxDB 0.9 is still pre-release software. For stability, you should use the ``influxdb.influxdb08`` module in conjunction with InfluxDB 0.8.
InfluxDB v0.8.X users

Influxdb >=0.9.0 brings many breaking changes to the API. InfluxDB 0.8.X users may use the legacy client by using `from influxdb.influxdb08 import InfluxDBClient` instead.

Installation

Install, upgrade and uninstall InfluxDB-Python with these commands:

```bash
$ pip install influxdb
$ pip install --upgrade influxdb
$ pip uninstall influxdb
```

On Debian/Ubuntu, you can install it with this command:

```bash
$ sudo apt-get install python-influxdb
```

Dependencies

The InfluxDB-Python distribution is supported and tested on Python 2.7, 3.2, 3.3, 3.4, PyPy and PyPy3.

Main dependency is:

- Requests: HTTP library for human beings (http://docs.python-requests.org/)

Additional dependencies are:

- pandas: for writing from and reading to DataFrames (http://pandas.pydata.org/)
- Sphinx: Tool to create and manage the documentation (http://sphinx-doc.org/)
- Nose: to auto-discover tests (http://nose.readthedocs.org/en/latest/)
- Mock: to mock tests (https://pypi.python.org/pypi/mock)

Documentation

InfluxDB-Python documentation is available at http://influxdb-python.readthedocs.org

You will need Sphinx_ installed to generate the documentation.

The documentation can be generated by running:

```bash
$ tox -e docs
```
Generated documentation can be found in the *docs/build/html/* directory.

Examples
========

Here's a basic example (for more see the examples directory):

```python
$ python

>>> from influxdb import InfluxDBClient

>>> json_body = [
    {
        "name": "cpu_load_short",
        "tags": {
            "host": "server01",
            "region": "us-west"
        },
        "timestamp": "2009-11-10T23:00:00Z",
        "fields": {
            "value": 0.64
        }
    }
]

>>> client = InfluxDBClient('localhost', 8086, 'root', 'root', 'example')

>>> client.create_database('example')

>>> client.write_points(json_body)

>>> result = client.query('select value from cpu_load_short;')

>>> print("Result: \{0\}".format(result))
```

Testing
=======

Make sure you have tox by running the following:

```bash
$ pip install tox

To test influxdb-python with multiple version of Python, you can use Tox:

$ tox
```
Support
========

For issues with, questions about, or feedback for InfluxDB_, please look into our community page: http://influxdb.com/community/.

Development
============

All development is done on Github_. Use Issues_ to report problems or submit contributions.

.. Github: https://github.com/influxdb/influxdb-python/
.. Issues: https://github.com/influxdb/influxdb-python/issues

TODO
=====

The TODO/Roadmap can be found in Github bug tracker: https://github.com/influxdb/influxdb-python/issues/109

Source code
============

The source code is currently available on Github: https://github.com/influxdb/influxdb-python

.. InfluxDB: http://influxdb.com/
.. Sphinx: http://sphinx.pocoo.org/
.. Tox: https://tox.readthedocs.org

Platform: UNKNOWN
Classifier: Development Status :: 3 - Alpha
Classifier: Intended Audience :: Developers
Classifier: License :: OSI Approved :: MIT License
Classifier: Operating System :: OS Independent
Classifier: Programming Language :: Python
Classifier: Programming Language :: Python :: 2.7
Classifier: Programming Language :: Python :: 3
Classifier: Topic :: Software Development :: Libraries
Classifier: Topic :: Software Development :: Libraries :: Python Modules
1.1565 sed 4.2.2 5.el7

1.1565.1 Available under license:

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Version 3, 29 June 2007

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#
src/base/fthash.c
src/base/md5.c	src/base/md5.h
#
src/bdf/bdf.c	src/bdf/bdf.h	src/bdf/bdfdrivr.c	src/bdf/bdfdrivr.h	src/bdf/bdferror.h	src/bdf/bdflib.c	src/bdf/module.mk	src/bdf/README	src/bdf/rules.mk
#
#
src/gzip/adler32.c	src/gzip/infblock.c	src/gzip/infblock.h	src/gzip/infcodes.c	src/gzip/infcodes.h	src/gzip/inffixed.h	src/gzip/inflate.c	src/gzip/inftrees.c	src/gzip/inftrees.h	src/gzip/infutil.c	src/gzip/infutil.h	src/gzip/zconf.h	src/gzip/zlib.h	src/gzip/zutil.c	src/gzip/zutil.h
#
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package cloud
import 
  "bytes"
  "io/ioutil"
  "os"
  "path/filepath"
  "strings"
  "testing"
)

var sentinels = []string{
  "Copyright",
  "Google",
  "Licensed under the Apache License, Version 2.0 (the "License");",
}

func TestLicense(t *testing.T) {
  t.Parallel()
  err := filepath.Walk(".", func(path string, fi os.FileInfo, err error) error {
    if err != nil {
      return err
    }
    if ext := filepath.Ext(path); ext != ".go" && ext != ".proto" {
      return nil
    }
    if strings.HasSuffix(path, ".pb.go") {
      // .pb.go files are generated from the proto files.
      // .proto files must have license headers.
      return nil
    }
    if path == "bigtable/cmd/cbt/cbtdoc.go" {
      // Automatically generated.
      return nil
    }
    if path == "cmd/go-cloud-debug-agent/internal/debug/elf/elf.go" {
      // BSD license, which is compatible, is embedded in the file.
      return nil
    }
    src, err := ioutil.ReadFile(path)
    if err != nil {
      return nil
    }
    src = src[:300] // Ensure all of the sentinel values are at the top of the file.

    // Find license
    for _, sentinel := range sentinels {
      if !bytes.Contains(src, []byte(sentinel)) {
        return nil
      }
    }
  })
}
t.Errorf("%v: license header not present. want %q", path, sentinel)
return nil
}
}

return nil
}
if err != nil {
t.Fatal(err)
}

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```go
package filer

func hasWritePermission(dir *Entry, entry *Entry) bool {
    if dir == nil {
        return false
    }

    if dir.Uid == entry.Uid && dir.Mode&0200 > 0 {
        return true
    }

    if dir.Gid == entry.Gid && dir.Mode&0020 > 0 {
        return true
    }

    if dir.Mode&0002 > 0 {
        return true
    }

    return false
}
```

1.1572 chartmuseum-auth 0.4.0

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1.1574 go.mongodb.org-mongo-driver 1.4.5

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BSON library for Go

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* Tatu Saloranta
  * Providing benchmark suite
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procfs provides functions to retrieve system, kernel and process
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Protocol Buffers for Go with Gadgets

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Go support for Protocol Buffers - Google's data interchange format

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Go support for Protocol Buffers - Google's data interchange format

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1.1593 httpasyncclient 4.1.2

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  1.12.1/third_party/boringssl/crypto/fipsmodule/bn/montgomery.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
  1.12.1/third_party/boringssl/include/openssl/err.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
  1.12.1/third_party/boringssl/crypto/err/err.c

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// AEAD couples confidentiality and integrity in a single primitive. AEAD

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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio- 
  1.12.1/third_party/boringssl/crypto/pem/pem_all.c 
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio- 
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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio- 
  1.12.1/third_party/boringssl/third_party/googletest/samples/prime_tables.h 
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  1.12.1/third_party/cares/cares/test/gmock-1.7.0/gtest/samples/prime_tables.h 
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio- 
  1.12.1/third_party/cares/cares/test/gmock-1.7.0/gtest/include/gtest/internal/gtest-param-util-generated.h 
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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/src/core/lib/iomgr/resolve_address_posix.cc
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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/src/core/lib/iomgr/pollset_windows.cc
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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/src/core/lib/security/transport/secured_endpoint.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/src/core/lib/security/util/json_util.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/src/core/ext/transport/chttp2/transport/hpack_table.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/src/core/lib/iomgr/socket_posix.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/src/core/ext/transport/chttp2/client/chttp2_connector.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/src/core/lib/slice/slice_string_helpers.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/src/core/tti/fake_transport_security.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/src/core/lib/iomgr/pollset_windows.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/src/core/ext/filters/client_channel/resolver_factory.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/src/core/lib/http/httpcli_security_connector.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/src/core/lib/gpr/sync.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/src/core/lib/iomgr/tcp_windows.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/src/core/ext/filters/http/server/http_server_filter.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/src/core/lib/iomgr/tcp_client_windows.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/src/core/lib/json/json_string.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/src/core/lib/gpr/cpu_posix.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/src/core/lib/channel/channel_args.cc
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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/src/core/lib/iomgr/pollset_set_windows.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/src/core/lib/iomgr/socket_utils_linux.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/src/core/ext/transport/chttp2/transport/incoming_metadata.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/src/core/lib/json/json_common.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/src/core/lib/surface/channel_ping.cc
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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/include/grpc/support/alloc.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/src/core/lib/gpr/env_linux.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/src/core/lib/iomgr/sockaddr.h
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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/src/core/lib/transport/transport_op_string.cc
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1.12.1/src/core/lib/iomgr/pollset_set.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1.12.1-1-tar-gz/grpcio-1.12.1/include/grpc/slice_buffer.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1.12.1-1-tar-gz/grpcio-1.12.1/src/core/lib/gpr/log_windows.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1.12.1-1-tar-gz/grpcio-1.12.1/src/core/ext/transport/chttp2/transport/hpack_parser.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1.12.1-1-tar-gz/grpcio-1.12.1/src/core/ext/transport/chttp2/transport/huffsyms.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1.12.1-1-tar-gz/grpcio-1.12.1/src/core/lib/gpr/tls_pthread.cc
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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1.12.1-1-tar-gz/grpcio-1.12.1/src/core/lib/security/credentials/jwt/json_token.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1.12.1-1-tar-gz/grpcio-1.12.1/src/core/lib/gpr/useful.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1.12.1-1-tar-gz/grpcio-1.12.1/src/core/lib/slice/slice.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1.12.1-1-tar-gz/grpcio-1.12.1/src/core/lib/surface/lame_client.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1.12.1-1-tar-gz/grpcio-1.12.1/src/core/lib/slice/b64.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1.12.1-1-tar-gz/grpcio-1.12.1/src/core/lib/slice/slice.h
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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/decrepit/dsa/dsa_decrepit.c

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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
  1.12.1/third_party/boringssl/crypto/thread_win.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
  1.12.1/third_party/boringssl/crypto/thread_pthread.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
  1.12.1/third_party/boringssl/crypto/pkcs8/pkcs8_test.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
  1.12.1/third_party/boringssl/crypto/fipsmodule/rand/internal.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
  1.12.1/third_party/boringssl/tool/ciphers.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
  1.12.1/third_party/boringssl/crypto/test/test_util.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
  1.12.1/third_party/boringssl/ssl/ssl_buffer.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
  1.12.1/third_party/boringssl/include/openssl/cmac.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
  1.12.1/third_party/boringssl/crypto/fipsmodule/aes/aes_test.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
  1.12.1/third_party/boringssl/include/openssl/curve25519.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
  1.12.1/third_party/boringssl/crypto/conf/internal.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1.12.1.1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/crypto/refcount_lock.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1.12.1.1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/crypto/curve25519/x25519_test.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1.12.1.1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/include/openssl/buffer.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1.12.1.1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/crypto/fipsmodule/ec/util-64.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1.12.1.1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/tool/generate_ed25519.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1.12.1.1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/tool/rand.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1.12.1.1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/crypto/thread_test.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1.12.1.1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/tool/genrsa.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1.12.1.1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/crypto/test/file_test.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1.12.1.1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/include/openssl/dtls1.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1.12.1.1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/ssl/ssl_aead_ctx.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1.12.1.1-1-tar-gz/grpcio-1.12.1.1/src/boringssl/err_data.c

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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1.12.1.1-1-tar-gz/grpcio-1.12.1/third_party/nanopb/generator/nanopb_generator.py

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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
  1.12.1/src/core/lib/debug/stats_data.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
  1.12.1/src/core/lib/debug/stats_data.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
  1.12.1/src/core/ext/transport/chttp2/transport/http2_settings.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
  1.12.1/src/core/ext/transport/chttp2/transport/http2_settings.h
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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
  1.12.1/third_party/boringssl/crypto/fipsmodule/bn/montgomery_inv.c
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// +build amd64,!gccgo,!appengine

// func cswap(inout *[5]uint64, v uint64)
TEXT ~cswap(SB),7,S0
MOVQ inout+0(FP),DI
MOVQ v+8(FP),SI

CMPQ SI,S1
MOVQ 0(DI),SI
MOVQ 80(DI),DX
MOVQ 8(DI),CX
MOVQ 88(DI),R8
MOVQ SI,R9
CMOVQ EQ DX,SI
CMOVQ EQ R9,DX
MOVQ CX,R9
CMOVQ EQ R8,CX
CMOVQ EQ R9,R8
MOVQ SI,0(DI)
MOVQ DX,80(DI)
MOVQ CX,8(DI)
MOVQ R8,88(DI)
MOVQ 16(DI),SI
MOVQ 96(DI),DX
MOVQ 24(DI),CX
MOVQ 104(DI),R8
MOVQ SI,R9
CMOVQ EQ DX,SI
CMOVQ EQ R9,DX
MOVQ CX,R9
CMOVQ EQ R8,CX
CMOVQ EQ R9,R8
MOVQ SI,16(DI)
MOVQ DX,96(DI)
MOVQ CX,24(DI)
MOVQ R8,104(DI)
MOVQ 32(DI),SI
MOVQ 112(DI),DX
MOVQ 40(DI),CX
MOVQ 120(DI),R8
MOVQ SI,R9
CMOVQ EQ DX,SI
CMOVQ EQ R9,DX
MOVQ CX,R9
CMOVQ EQ R8,CX
CMOVQ EQ R9,R8
MOVQ SI,32(DI)
MOVQ DX,112(DI)
MOVQ CX,40(DI)
MOVQ R8,120(DI)
MOVQ 48(DI),SI
MOVQ 128(DI),DX
MOVQ 56(DI),CX
MOVQ 136(DI),R8
MOVQ SI,R9
CMOVQ EQ DX,SI
CMOVQ EQ R9,DX
```
MOVQ CX,R9
CMOVQE Q R8,CX
CMOVQEQ R9,R8
MOVQ SI,48(DI)
MOVQ DX,128(DI)
MOVQ CX,56(DI)
MOVQ R8,136(DI)
MOVQ 64(DI),SI
MOVQ 144(DI),DX
MOVQ 72(DI),CX
MOVQ SI,136(DI)
MOVQ 152(DI),R8
MOVQ SLR9
CMOVQEQ DX,SI
CMOVQEQ R9,DX
MOVQ CX,R9
CMOVQEQ R8,CX
CMOVQEQ R9,R8
MOVQ SI,64(DI)
MOVQ DX,144(DI)
MOVQ CX,72(DI)
MOVQ R8,152(DI)
MOVQ DI,AX
MOVQ SI,DX
RET
```

Found in path(s):
* /opt/cola/permits/1160881901_1620412826.60/grpcio-1.12.1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/ssl/test/runner/curve25519/cswap_amd64.s

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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/ssl/ssl_transcript.cc

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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/cares/cares/ares_parse_ns_reply.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/cares/cares/ares_query.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/cares/cares/ares_free_hostent.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/cares/cares/ares_getenv.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/cares/cares/ares_getenv.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/cares/cares/ares_writev.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/cares/cares/ares_mkquery.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/cares/cares/ares_lлист.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/cares/cares/ares_send.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/cares/cares/ares_writev.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/cares/cares/ares_strcasecmp.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/cares/cares/ares_strcasecmp.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/cares/cares/ares_strdup.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/cares/cares/ares_strdup.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/cares/cares/ares__read_line.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/cares/cares/ares__close_sockets.c
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  1.12.1/third_party/cares/cares/ares_gethostbyaddr.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
  1.12.1/third_party/cares/cares/ares_strerror.c
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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
  1.12.1/third_party/boringssl/ssl/test/runner/curve25519/freeze_amd64.s
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/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.11, January 15th, 2017

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The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files http://tools.ietf.org/html/rfc1950 (zlib format), rfc1951 (deflate format) and rfc1952 (gzip format).
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/** Signal that the call is cacheable. GRPC is free to use GET verb */

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/* infback9.c -- inflate deflate64 data using a call-back interface
* Copyright (C) 1995-2008 Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
*/

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 */opt/cola/permits/1160881901_1620412826.60/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/zlib/contrib/infback9/infback9.c
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/* zconf.h -- configuration of the zlib compression library

Open Source Used In ND-NODE v2.1.2b 19405
* Copyright (C) 1995-2016 Jean-loup Gailly, Mark Adler
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*/

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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
  1.12.1/third_party/boringssl/crypto/fipsmodule/cipher/e_aes.c

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/*
* Original file name getopt.c  Initial import into the c-ares source tree
* on 2007-04-11.  Lifted from version 5.2 of the 'Open Mash' project with
* the modified BSD license, BSD license without the advertising clause.
* *
*/

getopt.c --

* Standard UNIX getopt function. Code is from BSD.
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  1.12.1/src/core/ext/filters/message_size/message_size_filter.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
  1.12.1/src/core/ext/filters/client_channel/resolver/fake/fake_resolver.h
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  1.12.1/src/core/ext/filters/workarounds/workaround_cronet_compression_filter.cc
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  1.12.1/src/core/ext/filters/deadline/deadline_filter.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
  1.12.1/src/core/ext/filters/max_age/max_age_filter.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
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  1.12.1/src/core/ext/filters/client_channel/subchannel_index.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
  1.12.1/src/core/tsi/alts/handshaker/proto/altscontext.proto
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  1.12.1/src/core/lib/transport/service_config.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
Utilities for constant-time cryptography.

* Author: Emilia Kasper (emilia@openssl.org)
* Based on previous work by Bodo Moeller, Emilia Kasper, Adam Langley
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  1.12.1/third_party/boringssl/third_party/googletest/samples/sample9_unittest.cc
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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-src/g
  rpcio-1.12.1/third_party/boringssl/crypto/rand_extra/rand_extra.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-src/g
  rpcio-1.12.1/third_party/boringssl/fipstools/test_fips.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-src/g
  rpcio-1.12.1/third_party/boringssl/fipstools/cavp_test_util.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-src/g
  rpcio-1.12.1/third_party/boringssl/crypto/fipsmodule/is_fips.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-src/g
  rpcio-1.12.1/third_party/boringssl/include/openssl/is_boringssl.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-src/g
  rpcio-1.12.1/third_party/boringssl/crypto/err/internal.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-src/g
  rpcio-1.12.1/third_party/boringssl/fipstools/file_test_gtest.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-src/g
  rpcio-1.12.1/third_party/boringssl/fipstools/cavp_aes_test.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-src/g
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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-src/g
  rpcio-1.12.1/third_party/boringssl/fipstools/cavp_eca2_keypair_test.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-src/g
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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-src/g
  rpcio-1.12.1/third_party/boringssl/fipstools/cavp_sha_test.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-src/g
  rpcio-1.12.1/third_party/boringssl/fipstools/cavp_ecdsa2_pky_test.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-src/g
  rpcio-1.12.1/third_party/boringssl/fuzz/dtls_client.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-src/g
  rpcio-1.12.1/third_party/boringssl/fipstools/cavp_aes_gcm_test.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-src/g
  rpcio-1.12.1/third_party/boringssl/fipstools/cavp_aes_gcm_test.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-src/g
  rpcio-1.12.1/third_party/boringssl/fipstools/cavp_rsa2_sigver_test.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-src/g
  rpcio-1.12.1/third_party/boringssl/crypto/cipher_extra/e_aesctrhmac.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-src/g
  rpcio-1.12.1/third_party/boringssl/crypto/rand_extra/forkunsafe.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-src/g
  rpcio-1.12.1/third_party/boringssl/include/openssl/span.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-src/g
  rpcio-1.12.1/third_party/boringssl/fipstools/cavp_test_util.cc
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// has been built with the BORINGSSL_CONFIDENTIAL define and zero otherwise.

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/* blast.c
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 * version 1.3, 24 Aug 2013
 *
 * blast.c decompresses data compressed by the PKWare Compression Library.
 * This function provides functionality similar to the explode() function of
 * the PKWare library, hence the name "blast".
 *
 * This decompressor is based on the excellent format description provided by
 * Ben Rudiak-Gould in comp.compression on August 13, 2001. Interestingly, the
 * example Ben provided in the post is incorrect. The distance 110001 should
 * instead be 111000. When corrected, the example byte stream becomes:
 *
 *   00 04 82 24 25 8f 80 7f
 *
 * which decompresses to "AIAIAIAIAIA" (without the quotes).
 */

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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/include/openssl/ex_data.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/crypto/fipsmodule/bn/gcd.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/crypto/fipsmodule/bn/prime.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/crypto/internal.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/crypto/ex_data.c

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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/ssl/dlls_record.cc
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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/third_party/googletest/scripts/common.py
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/* unzip.h -- IO for uncompress .zip files using zlib
Version 1.1, February 14h, 2010
part of the MiniZip project - ( http://www.winimage.com/zLibDll/minizip.html )

Copyright (C) 1998-2010 Gilles Vollant (minizip) ( http://www.winimage.com/zLibDll/minizip.html )

Modifications of Unzip for Zip64
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Changes

See header of unzip64.c

*/

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/* inffas8664.c is a hand tuned assembler version of inffast.c - fast decoding */
version for AMD64 on Windows using Microsoft C compiler

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2005 - Adaptation to Microsoft C Compiler for AMD64 by Gilles Vollant

inffas8664.c call function inffas8664fnc in inffasx64.asm
inffasx64.asm is automatically convert from AMD64 portion of inffas86.c

Dec-29-2003 -- I added AMD64 inflate asm support. This version is also
slightly quicker on x86 systems because, instead of using rep movsb to copy
data, it uses rep movsw, which moves data in 2-byte chunks instead of single
bytes. I've tested the AMD64 code on a Fedora Core 1 + the x86_64 updates
from http://fedora.linux.duke.edu/fc1_x86_64
which is running on an Athlon 64 3000+ / Gigabyte GA-K8VT800M system with
1GB ram. The 64-bit version is about 4% faster than the 32-bit version,
when decompressing mozilla-source-1.3.tar.gz.

Mar-13-2003 -- Most of this is derived from inffast.S which is derived from
the gcc -S output of zlib-1.2.0/inffast.c. Zlib-1.2.0 is in beta release at
the moment. I have successfully compiled and tested this code with gcc2.96,
gcc3.2, icc5.0, msvc6.0. It is very close to the speed of inffast.S
compiled with gcc -DN0_MMX, but inffast.S is still faster on the P3 with MMX
enabled. I will attempt to merge the MMX code into this version. Newer
versions of this and inffast.S can be found at
http://www.eetbeetee.com/zlib/ and http://www.charm.net/~christop/zlib/

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  1.12.1/src/core/lib/json/json_reader.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/include/grpc/census.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
  1.12.1/src/core/lib/iomgr/ev_poll_posix.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
  1.12.1/src/core/lib/surface/completion_queue.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
  1.12.1/src/core/lib/surface/completion_queue.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
  1.12.1/include/grpc/grpc.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
  1.12.1/src/core/lib/surface/server.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
  1.12.1/src/core/ext/filters/client_channel/resolver/sockaddr/sockaddr_resolver.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
  1.12.1/src/core/ext/filters/client_channel/resolver/sockaddr/sockaddr_resolver.cc

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1.12.1/third_party/boringssl/ssl/dtls_method.cc
/opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/ssl/d1_lib.cc

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  1.12.1/third_party/boringssl/crypto/x509v3/v3_sxnet.c
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  1.12.1/third_party/boringssl/crypto/x509v3/tab_test.cc
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  1.12.1/third_party/boringssl/third_party/googletest/test/gtest_break_on_failure_unittest_.cc
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  1.12.1/third_party/boringssl/third_party/googletest/test/gtest_no_test_unittest.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1.12.1-1.tar-gz/grpcio-1.12.1/third_party/boringssl/crypto/asn1/time_support.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1.12.1-1.tar-gz/grpcio-1.12.1/third_party/boringssl/crypto/cryptopem/x509.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1.12.1-1.tar-gz/grpcio-1.12.1/third_party/boringssl/crypto/x509/x509cset.c

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1.12.1/src/core/lib/iomgr/timer_manager.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/src/core/lib/iomgr/call_combiner.cc
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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
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*/

Found in path(s):

```
/.../grpcio-1.12.1/third_party/boringssl/crypto/conf/conf_def.h
```

```
/.../grpcio-1.12.1/third_party/boringssl/crypto/conf/conf_def.h
```
1.12.1/third_party/boringssl/include/openssl/x509_vfy.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/include/openssl/asn1.h
No license file was found, but licenses were detected in source scan.

/* zip.h -- IO on .zip files using zlib
Version 1.1, February 14th, 2010
part of the MiniZip project - ( http://www.winimage.com/zLibDll/minizip.html )

Copyright (C) 1998-2010 Gilles Vollant (minizip) ( http://www.winimage.com/zLibDll/minizip.html )

Modifications for Zip64 support
Copyright (C) 2009-2010 Mathias Svensson ( http://result42.com )

For more info read MiniZip_info.txt

-------------------------------------------------------------------------------------------------------------

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-------------------------------------------------------------------------------------------------------------

Changes

See header of zip.h

*/

Found in path(s):
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/zlib/contrib/minizip/zip.h
/*
 * puff.c
 * Copyright (C) 2002-2013 Mark Adler
 * For conditions of distribution and use, see copyright notice in puff.h
 * version 2.3, 21 Jan 2013
 *
 * puff.c is a simple inflate written to be an unambiguous way to specify the
 * deflate format. It is not written for speed but rather simplicity. As a
 * side benefit, this code might actually be useful when small code is more
 * important than speed, such as bootstrap applications. For typical deflate
 * data, zlib's inflate() is about four times as fast as puff(). zlib's
 * inflate compiles to around 20K on my machine, whereas puff.c compiles to
 * around 4K on my machine (a PowerPC using GNU cc). If the faster decode()
 * function here is used, then puff() is only twice as slow as zlib's
 * inflate().
 *
 * All dynamically allocated memory comes from the stack. The stack required
 * is less than 2K bytes. This code is compatible with 16-bit int's and
 * assumes that long's are at least 32 bits. puff.c uses the short data type,
 * assumed to be 16 bits, for arrays in order to conserve memory. The code
 * works whether integers are stored big endian or little endian.
 *
 * In the comments below are "Format notes" that describe the inflate process
 * and document some of the less obvious aspects of the format. This source
 * code is meant to supplement RFC 1951, which formally describes the deflate
 * format:
 *
 * http://www.zlib.org/rfc-deflate.html
 */

Found in path(s):
* /opt/cola/permissions/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/zlib/contrib/puff/puff.c

No license file was found, but licenses were detected in source scan.

/* Copyright 1998 by the Massachusetts Institute of Technology.
 * Copyright (C) 2007-2013 by Daniel Stenberg
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Found in path(s):
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
  1.12.1/third_party/cares/cares/ares.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
  1.12.1/third_party/cares/cares/ares_init.c
No license file was found, but licenses were detected in source scan.

/* infback.c -- inflate using a call-back interface
* Copyright (C) 1995-2016 Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
*/

Found in path(s):
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/zlib/infback.c
No license file was found, but licenses were detected in source scan.

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 *===================================================================
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 * 4. The names "OpenSSL Toolkit" and "OpenSSL Project" must not be used to
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Found in path(s):
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/include/openssl/ec.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/crypto/fipsmodule/ec/simple.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/crypto/fipsmodule/ec/wnaf.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
No license file was found, but licenses were detected in source scan.

/* gzlib.c -- zlib functions common to reading and writing gzip files
 * Copyright (C) 2004-2017 Mark Adler
 * For conditions of distribution and use, see copyright notice in zlib.h
 */

Found in path(s):
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1.12.1/third_party/zlib/gzlib.c
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Found in path(s):
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1.12.1/third_party/boringssl/crypto/fipsmodule/ec/p256-x86_64-table.h
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Found in path(s):
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/third_party/googletest/test/gtest-unittest-api_test.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/cares/cares/test/gmock-1.7.0/gtest/test/gtest-unittest-api_test.cc

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# Issuer: CN=GlobalSign Root CA O=GlobalSign nv-sa OU=Root CA
# Subject: CN=GlobalSign Root CA O=GlobalSign nv-sa OU=Root CA
# Label: "GlobalSign Root CA"
# Serial: 4835703278459707669005204
# SHA256 Fingerprint:

-----BEGIN CERTIFICATE-----
MIIDDTCCAl2gAwIBAgILBAAAAAABFUtaw5QwDQYJKoZIhvcNAQEFBQAwVzELMAkG
A1UEBhMCQ0UxGzAXBgNVBAoTB3N0YWJyaW5jYXRpb24gUm9vdCBodHRwczovLzEv
b3QgQ0ExGzAxBgNVBAsTB21haWxkb21haWwIAgYIKwYBBQUHAwIBBzANBgkqhkiG9w0
bIqtAQU2MA0GCSqGSIb3DQEBAQUAA4IBDwAwggEKA0IBAQCj640+Kfvvxi4Ma+phHs
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BTADAQH/MBOGAIuDgQWBBRg2eYaqRQ2Yx0QL30ezTSa/ze9SzANBkgkqfkiG9w0B
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DKeqC5JR3X321Y9rYr4VzW9v493kHM65jU97U/Qr6cf9teCX4XSQRjbgbME
HMUfplBVSDJ3gyICR3WzIX/fjJKSzP4A==

-----END CERTIFICATE-----

# Issuer: CN=GlobalSign O=GlobalSign OU=GlobalSign Root CA - R2
# Subject: CN=GlobalSign O=GlobalSign OU=GlobalSign Root CA - R2
# Label: "GlobalSign Root CA - R2"
# Serial: 483570327845970682885658125
# MD5 Fingerprint: 94:14:77:ce:5e:fd:8f:30:bd:41:b0:cf:e7:d0:30

Open Source Used In ND-NODE v2.1.2b 19467
Open Source Used In ND-NODE v2.1.2b
# Issuer: CN=Baltimore CyberTrust Root O=Baltimore OU=CyberTrust
# Subject: CN=Baltimore CyberTrust Root O=CyberTrust
# Label: "Baltimore CyberTrust Root"
# Serial: 33554617

# SHA256 Fingerprint:

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-----BEGIN CERTIFICATE-----
MIIDdzCCAl+gAwIBAgIEAgAAuTANBgkqhkiG9w0BAQUFADBAMQQswCQYDVQQGEwJQRTEU
MBIGA1UEChMYb29mc3NhY2t0aW1vdGlvbiBQYWZ0aW9ucyBQaXZhY3kgU29tcGFsaWMg
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YXRvY3MgQ0ExMSswCQYDVQQLEwJSTDEmMBQGA1UEChMOSGFzc3IyMQswCQYDVQQHEw1J
QRQUUExDTM0MDEwMDExMTAwNjkwOTkxMTAwMB4GCSqGSIb3DQEBBQUAMQswCQYDVQQK
-----END CERTIFICATE-----
```

# Issuer: CN=AddTrust External CA Root O=AddTrust AB OU=AddTrust External TTP Network
# Subject: CN=AddTrust External CA Root O=AddTrust AB OU=AddTrust External TTP Network
# Label: "AddTrust External Root"
# Serial: 1

# MD5 Fingerprint: 1d:35:54:04:85:78:b0:3f:42:4d:bf:20:73:0a:3f
# SHA256 Fingerprint:

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-----BEGIN CERTIFICATE-----
MIIENjCCAx6gAwIBAgIBATANBgkqhkiG9w0BAQUFADBvMQswCQYDVQQGEwJTRTEU
MBIGA1UEChMLQWRkVHJ1c3QwQUUxJjAkBgNVBAsTHUFkZFRydXN0IEV4dGVybmFs
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-----END CERTIFICATE-----
```
# Issuer: CN=GeoTrust Global CA O=GeoTrust Inc.
# Subject: CN=GeoTrust Global CA O=GeoTrust Inc.
# Label: "GeoTrust Global CA"
# Serial: 144470
# MD5 Fingerprint: f7:75:ab:29:fb:51:e8:77:5f:ff:05:3c:99:8e:ff:
# SHA256 Fingerprint:
# BEGIN CERTIFICATE-----

# Issuer: CN=GeoTrust Universal CA O=GeoTrust Inc.
# Subject: CN=GeoTrust Universal CA O=GeoTrust Inc.
# Label: "GeoTrust Universal CA"
# Serial: 1
# SHA256 Fingerprint:

---END CERTIFICATE---
# Issuer: O=Government Root Certification Authority
# Subject: O=Government Root Certification Authority
# Label: "Taiwan GRCA"
# Serial: 42023070807708724159991140556527066870
-----BEGIN CERTIFICATE-----
MIIFcCICA1AgAwIBAgIQH51ZtwcwegZEpYAlaeNe9jANBgkqhkiG9w0BAQUFADA/
MQswCQYDVQQGEwJUczAvMC4GA1UECgwwR292ZXXjubWVvdCBSb290IENlc3Rpbmll
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MDaw----END CERTIFICATE-----

# Issuer: CN=DigiCert Assured ID Root CA O=DigiCert Inc OU=www.digicert.com
# Subject: CN=DigiCert Assured ID Root CA O=DigiCert Inc OU=www.digicert.com
# Label: "DigiCert Assured ID Root CA"
# Serial: 17154719341205878621677994914071425081
# MD5 Fingerprint: 87:ce:0b:7b:2a:0e:49:00:e1:58:71:9b:37:a8:93:72
-----BEGIN CERTIFICATE-----
MIIDcCICA1AgAwIBAgIQH51ZtwcwegZEpYAlaeNe9jANBgkqhkiG9w0BAQUFADA/
MQswCQYDVQQGEwJUczAvMC4GA1UECgwwR292ZXXjubWVvdCBSb290IENlc3Rpbmll
YXRpb24gQXV0aG9yMRQwXzIzMjEwMTEyMzEwMjUxNzghMjAwMDQyMDMxMjAwMDAw
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MDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAw
MDaw---END CERTIFICATE---
Open Source Used In ND-NODE v2.1.2b  19484

---BEGIN CERTIFICATE-----
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# Subject: CN=SwissSign Silver CA - G2 O=SwissSign AG
# Label: "SwissSign Silver CA - G2"
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# Label: "OISTE WiSeKey Global Root GA CA"
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# Issuer: CN=Certigna O=Dhimyotis
# Subject: CN=Certigna O=Dhimyotis
# Label: "Certigna"
# Serial: 18364802974209362175
# SHA256 Fingerprint:
----BEGIN CERTIFICATE-----
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Open Source Used In ND-NODE v2.1.2b

In the image provided, there is a certificate chain containing multiple certificates with various fingerprints and details such as Issuer and Subject information. However, the text is not comprehensible due to the complexity and length of the certificate data.
-----END CERTIFICATE-----

# Issuer: CN=Chunghwa Telecom Co., Ltd. OU=ePKI Root Certification Authority
# Subject: CN=Chunghwa Telecom Co., Ltd. OU=ePKI Root Certification Authority
# Label: "ePKI Root Certification Authority"
# Serial: 28956088682735189655030529057352760477
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-----END CERTIFICATE-----

# Issuer: CN=Chunghwa Telecom Co., Ltd. OU=ePKI Root Certification Authority
# Subject: CN=Chunghwa Telecom Co., Ltd. OU=ePKI Root Certification Authority
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# Issuer: CN=Chunghwa Telecom Co., Ltd. OU=ePKI Root Certification Authority
# Subject: CN=Chunghwa Telecom Co., Ltd. OU=ePKI Root Certification Authority
# Label: "ePKI Root Certification Authority"
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Open Source Used In ND-NODE v2.1.2b

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# Issuer: CN=GeoTrust Primary Certification Authority - G3 O=GeoTrust Inc. OU=(c) 2008 GeoTrust Inc. - For authorized use only
# Subject: CN=GeoTrust Primary Certification Authority - G3 O=GeoTrust Inc. OU=(c) 2008 GeoTrust Inc. - For authorized use only
# Label: "GeoTrust Primary Certification Authority - G3"
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-----END CERTIFICATE-----

# Issuer: CN=thawte Primary Root CA - G2 O=thawte, Inc. OU=(c) 2007 thawte, Inc. - For authorized use only
# Subject: CN=thawte Primary Root CA - G2 O=thawte, Inc. OU=(c) 2007 thawte, Inc. - For authorized use only
# Label: "thawte Primary Root CA - G2"
# Serial: 71758320672825410020661621085256472406

Open Source Used In ND-NODE v2.1.2b 19497
Open Source Used In ND-NODE v2.1.2b  19504

# Issuer: CN=Microsec e-Szigno Root CA 2009 O=Microsec Ltd.
# Subject: CN=Microsec e-Szigno Root CA 2009 O=Microsec Ltd.
# Label: "Microsec e-Szigno Root CA 2009"
# Serial: 1401472767195784473


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# Issuer: CN=GlobalSign O=GlobalSign OU=GlobalSign Root CA - R3
# Subject: CN=GlobalSign O=GlobalSign OU=GlobalSign Root CA - R3
# Label: "GlobalSign Root CA - R3"
# Serial: 4835703278459759426209995


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Open Source Used In ND-NODE v2.1.2b 19508
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4ulEvlz6hzf1
-----END CERTIFICATE-----

# Issuer: CN=Go Daddy Root Certificate Authority - G2 O=GoDaddy.com, Inc.
# Subject: CN=Go Daddy Root Certificate Authority - G2 O=GoDaddy.com, Inc.
# Label: "Go Daddy Root Certificate Authority - G2"
# Serial: 0

# SHA256 Fingerprint:

-----END CERTIFICATE-----

# Issuer: CN=Starfield Root Certificate Authority - G2 O=Starfield Technologies, Inc.
# Subject: CN=Starfield Root Certificate Authority - G2 O=Starfield Technologies, Inc.
# Label: "Starfield Root Certificate Authority - G2"
# Serial: 0

-----END CERTIFICATE-----
# SHA256 Fingerprint:

--- BEGIN CERTIFICATE-----
MII3D3CCasWgAwIBAgIBADANBgkqhkiG9w0BAQsFADCBjzeMAkGA1UEBhMCVCVMx
EQQAOgNVAgEBBtg0F0y7A+XuoXf7T7H6X31Cj93R6l2RhbbGUXTAjBgNVBAOTo
HFN0YXJmaWVy:aCZBUZWQmb92bPzXMsIEluYy4xMjAgBgNVBAEYTVX0YXJmaWVy
ZCSbZs290IElncRpmzmlYXRIIEF1dGhvcml0eSAfTcEcyMB4XDTA5MDkwMTAwMDAw
MFOsXDMT3MTlzMTlzNTk1OWVgeYx8cZAjBjNgVNBAYTAIVTMRAwDgYDVQQLI2MdBcmI6
b25hMRRmEQQVYDVQQHEwPTY920dHNIKWyMxMSUwIwYDVQQKExTcGFyZmllbGQgVGVj
A5vSg9n9aWVLZCBjbnMuMTTwMAYDVQQDEyTcGFyZmllbGQgUmx9sdCBDZXJ0aWZp
Y2F0ZSBbDXRo3JpdHkJLkSBHjCCAS1wDQYJKoZIhlzcNAEQBBQADggEPADCCAQoC
geEBAL3twQP89o/8ArFyW95H2Z15q4K3A2FWMGNNHFtKPTUui3pom3oaaORMg
nLRjdZpV5v71ZidIpy3Cdhl+72WoTshbmn5SzChFvDprX8WjpRBSriUZV9hL1
HOZ/5FSuS/hVclcCGfXcvXarnHigHdMDwSLstPsPSNkN3mSwOxGxu/hbVNYMQ/N
Hvttjuzq+z/5AhhdM8mkgjB87J8ylakNmcudXMDnM/uLiecF2Z8WJX7NITZD4p7nD
lood40owi0FVwmKs/B/pM93DxJH4F8s+GquSVzXmrZTRouNJWlVrVZ4Ut0
HZBulJfQBFqNqm4sO5f78+wwFkPECawEAaACMCMEawDwYDVROTAQhBAUwAwEB/ZAO
BgVNHQ8BAfIEBMACAQYwHQHDVR0BBYFHFmM+m2nBt/Xh1o2KooCfbR1snMAMG
Cg5gSbH3QDQCeWuA4iBAQARWTo1Tw+UJl7k7mh+ChTnUdRGWUXuEcK2I1XqNCoKJU
shU48TRqneSiYoYm4eUs0cYtbpUpSpIb7LkiKZ3sx4mcjUJDi5DnUox9g61DLu3
4j4/dI/owA57Vu3rav3031RTsZQ9GcHiCeg89/monAN3FWot5oUfF5okxBDgBPfg
8nUqgrQ837TzTzFkSHhc40z40Of/HmL6al+aXY4f8Xe6n6H7PrHcBBy2/LK
pL/QwLVKvoOYOAKQkVR4CSFx09F9HDksWlkPdAKACL8x3vLCWRFCztAf9dDL1
nMPYjnq7pBZc2T5NNReaH1ZgUufzvkVqSr7U6IhWn0

--- END CERTIFICATE-----

# Issuer: CN=Starfield Services Root Certificate Authority - G2 O=Starfield Technologies, Inc.
# Subject: CN=Starfield Services Root Certificate Authority - G2 O=Starfield Technologies, Inc.
# Label: "Starfield Services Root Certificate Authority - G2"
# Serial: 0

--- END CERTIFICATE ---

# Issuer: CN=AffirmTrust Commercial O=AffirmTrust
# Subject: CN=AffirmTrust Commercial O=AffirmTrust
# Label: "AffirmTrust Commercial"
# Serial: 860835597964138876
# SHA256 Fingerprint:

--- BEGIN CERTIFICATE ---

MIIIDmY6fMzVwOwIBAgIBAQI3qJ5N/1Pv2sYFtfrzuE1/Sp6rGeR7m1wZvZIjexF/3v-initialized

--- END CERTIFICATE ---

# Issuer: CN=AffirmTrust Networking O=AffirmTrust
# Subject: CN=AffirmTrust Networking O=AffirmTrust
# Label: "AffirmTrust Networking"
# Serial: 8957382827206547757

--- END CERTIFICATE ---
# SHA256 Fingerprint:
-----BEGIN CERTIFICATE-----

# Issuer: CN=AffirmTrust Premium O=AffirmTrust
# Subject: CN=AffirmTrust Premium
# Label: "AffirmTrust Premium"
# Serial: 7893706540734352110

-----BEGIN CERTIFICATE-----
# Issuer: CN=CA Disig Root R2 O=Disig a.s.
# Subject: CN=CA Disig Root R2 O=Disig a.s.
# Label: "CA Disig Root R2"

# Serial: 1057235060239333821


-----BEGIN CERTIFICATE-----
MIIFaTCCA1GgAwIBAgIJAJK4iNuwisFjMA0GCSqGSIb3DQEBCwUAMFIxCzAJBgNV
BAYTAlNLMRMwEQYDVQQHEwpCcmF0aXNsYXZhMRMwEQYDVQQEYBPciQHZW58Y2hh
MB4XDTEyMDcxOTA5MTUzMFoXDTQyMDcxOTA5MTUzMFowUjELMAkGA1UEBhMCU0sX
AzoAFAwDQYJKoZIhvcNAQELBQADggIBACyGTXnDnZTPIgm7ZnBc6G3pmsgH2eDtp
X75KMOYKmFM

-----END CERTIFICATE-----
vV+JHanBsMyZ4k0AcTrJJ1vnE5Bc5PUzolVt3OAJTS+xJlsndQAjxGI3KQhfnlms
t6n1Iqw1gPBHInk/vk4cPpy3Q1UrCPBlhwehP2NĐ4nQeit2hW3sCPdk6jT2IWH
7ehVRE29IDZ+hp4rPcOVkkO1jMII0RQQmgwEh0q1b688nCBpBhvgwWlm54ERL5h
I6zpSSMEYCUwQkIunSwzdRzp+0xEsYeGau4VxhwOrPDYTk7feifXrEoVSUG7sA
h1xA2ysVPiXgNc4e4hL0X6c16gWY70fmmx2uYXGj/mwZrpHjHnyqobalbzf+xF
d3+Y15oyXsrj07FmGyvliAd3sjDj9ew+f7Zfc3Qn48LFFrNry+Lwzgt3uiP1o2H
pPVWQxaZLPSkVeQuOGEy3cJyGbgl6H8WY3pElbRD0tVNEYq14Y7
-----END CERTIFICATE-----

# Issuer: CN=TWCA Global Root CA O=TAIWAN-CA OU=Root CA
# Subject: CN=TWCA Global Root CA O=TAIWAN-CA OU=Root CA
# Label: "TWCA Global Root CA"
# Serial: 3262

-----BEGIN CERTIFICATE-----
MIIFQTCCAymgAwIBAgICDL4wDQYJKoZIhvcNAQELBQAwUTELMAkGA1UEBhMCVFcx
EjAQAQNVBAoTVCVRBSV5vdBiT1dQTQEMAA4GA1UECwMHUm9vdCBDQTEcMBQGAIUEAxMT
VFdDQS6lBh9yWwgUm9vcdCDQTDaEwF0xMjA2MWcNj4MNaFw0xMDEyMzExNzU5
NTlaMFExCzAjBgNVBYTAIXMRI1wEAYDVQQKEwUQUlXQU4tQ0ExMjA1NDBw
B1Jvb3QgQ0ExHDAaBgNVBAMTHlJvRG1lc3RleSUxMjM0MDEwNG8w
MBwq0jimB3uSrRk28OKQRQ46ytQY0I0M793B8VYm8nqfDpD2G2hGr3P0N0W8dpBh
zh1hHrBv+bua4TX7GgqzXZHfL3SekVtZw0WH1EoFbxB39E7MQAIAKbJAtb
46KokWofwFPIzImLhxpRUzyXx1ExcwdE8tmx2RRp1WKKD+u4ZqyPpcCP1jcxkt2
yKsi2XMPpRaok/T54igu6idFMqPVMnRl1jsjSZAanYM2E2TqNgzt99sy2sBCZi
laLoZqC5wC0GzhpcCGqKX6mOL6OKUobZnkfs801CWe1tQRhvMq2uYin2DLglYp
oA/pyJv/v1WBRXpPRXAb94JlJAgD1zQbzEC18ilB9WyTkTuHhiVqJaRCpGRdLQA
BDZfuBS6On+nPgkWnkjMldIS7JLlvmg/LChkFwmmJruv8qw8WBQj0FwctyBec
qYSjq+u7msXl7Kx/mzhlkqjDldzshNy/MG1z19qCkkKxh53L46g5pOlbwFfltm
4TFtr1LcDwIDAQABoyMwITAOOGbNVHQ8BQABfEBAMCAQYwDwDVD0TAQH/BAUwAwLe
/zAAKMACaQAmRt890w9OQsFAAOCAGEAxZSBdU+WhHdltxKCY4QWwav3gcFGo90xHNCgL
1y9gX9HiZqj6hQQbCEAwGxCGX6faVsQGt+i0rEljDljbDorMjupWkEmQSpqsn
LhnpNgb+E1HAerUf+/UqMd+DuycRFCCKe2mlpc3InVjt+Itluxw4116KD7+Ux4w6F
H6vPmN0w/FP4M8yEvGTslV9xu2KV9Bnpvd1bQ34FOIWXwUtxEExZVFBe5zNxG1WNo
R12T9GRW0do2DKAXDOC4Yns/gTb6QiuHu49CcdP+yz4kZ3BlgL4VfSqnQO8d57+
nile98FRYb/e2uylUXW3QoT5/15sx0rdFgFlPi4mxm88k1HtQJAHH2RjJMoCQWh
15QdLmLhInQqRmWb2BjpyTGCA4u47n7Rjgar3tv92a6O2JryPAo9gK8xXrr05YUWW
6zRJEsEJMjlg7+cHfHl6u46mWfSyAthXRRmszwZ/Zeupi17E8UuDE3m4iTW
nsLrgxfarsBGJAcms9zLXZNl5fe+eepP7J18m7hWsTS2RTyagVwZJBBPpmK5j
wa19hAM8EHIG3njkPPyBUJgriOClxLM6AGKj/5Jk4Ve66x6QdQVPV5FhK8E7ewZeWz
aGHQriap1VjLeusux+t3qyY6fQMzT3rb51xUAV3LePtJDL/Pe4oXLNolOet/qmY
KwBQBMO7
-----END CERTIFICATE-----
# Issuer: CN=TeliaSonera Root CA v1 O=TeliaSonera
# Subject: CN=TeliaSonera Root CA v1 O=TeliaSonera
# Label: "TeliaSonera Root CA v1"
# Serial: 1990419667410901079649042872177876801558
# SHA256 Fingerprint:

-----BEGIN CERTIFICATE-----
MIIFODCCAyCgAwIBAgIRAJW+FqD3LkbxezmCcvqLzZYwDQYJKoZIhvcNAQEFBQAw
NzEUMBIGA1UECgwLVGVsaWFTb25lcml0eDAwHhcNMDcxMDE4MTIwMDUwWhcNMzIzMDExMTIwMDUwWjA3MRQwEGYD
VQQKDAUZUWxpYyNvmbyYTYTEmBOGA1UEawWWVGVSaWFTb25lcml0eDAwMDcQDBQSBj
MTCCAiIwDQYJKoZIhvcNAQEBBDggCgAwHhcNMDAxMTExNzE4MDUwWhcNAQExMDIwMDIwMD
-----END CERTIFICATE-----

# Issuer: CN=E-Tugra Certification Authority O=E-Tura EBG Biliim Teknolojileri ve Hizmetleri A.. OU=E-Tugra Sertifikasyon Merkezi
# Subject: CN=E-Tugra Certification Authority O=E-Tura EBG Biliim Teknolojileri ve Hizmetleri A.. OU=E-Tugra Sertifikasyon Merkezi
# Label: "E-Tugra Certification Authority"
# Serial: 7667447206703254355

-----BEGIN CERTIFICATE-----
---END CERTIFICATE-----
# Label: "QuoVadis Root CA 2 G3"
# Serial: 39015607945895257446133169266079962026824725800
# MD5 Fingerprint: af:0c:86:fe:b0:40:2d:7f:0b:3e:12:50:ba:12:3d:06
# SHA256 Fingerprint:

-----BEGIN CERTIFICATE-----
MIIFYDCA0igAwIBAgIURFc0JFuBiZs18s64KzhtpybwdsGywDQYJKoZIhvcNAQEL
BQAwSDEMLMAIAUEBMCQk0xGTAXBgNVBASOTFEP1b1ZhzGzIzExpcW10ZWQHjAc
BgNVBAMTTFVF1bIzhZGzIzExpcW10ZWQJbQgOmgExCAABhD6QYJKoZIhvcNAQEL
BQAwSDEMLMAIAUEBMCQk0xGTAXBgNVBASOTFEP1b1ZhzGzIzExpcW10ZWQHjAc
BgNVBAMTTFVF1bIzhZGzIzExpcW10ZWQJbQgOmgExCAABhD6QYJKoZIhvcNAQEL
BQAwSDEMLMAIAUEBMCQk0xGTAXBgNVBASOTFEP1b1ZhzGzIzExpcW10ZWQHjAc
BgNVBAMTTFVF1bIzhZGzIzExpcW10ZWQJbQgOmgExCAABhD6QYJKoZIhvcNAQEL
BQAwSDEMLMAIAUEBMCQk0xGTAXBgNVBASOTFEP1b1ZhzGzIzExpcW10ZWQHjAc
BgNVBAMTTFVF1bIzhZGzIzExpcW10ZWQJbQgOmgExCAABhD6QYJKoZIhvcNAQEL
BQAwSDEMLMAIAUEBMCQk0xGTAXBgNVBASOTFEP1b1ZhzGzIzExpcW10ZWQHjAc
BgNVBAMTTFVF1bIzhZGzIzExpcW10ZWQJbQgOmgExCAABhD6QYJKoZIhvcNAQEL
BQAwSDEMLMAIAUEBMCQk0xGTAXBgNVBASOTFEP1b1ZhzGzIzExpcW10ZWQHjAc
BgNVBAMTTFVF1bIzhZGzIzExpcW10ZWQJbQgOmgExCAABhD6QYJKoZIhvcNAQEL
BQAwSDEMLMAIAUEBMCQk0xGTAXBgNVBASOTFEP1b1ZhzGzIzExpcW10ZWQHjAc
BgNVBAMTTFVF1bIzhZGzIzExpcW10ZWQJbQgOmgExCAABhD6QYJKoZIhvcNAQEL
BQAwSDEMLMAIAUEBMCQk0xGTAXBgNVBASOTFEP1b1ZhzGzIzExpcW10ZWQHjAc
BgNVBAMTTFVF1bIzhZGzIzExpcW10ZWQJbQgOmgExCAABhD6QYJKoZIhvcNAQEL
BQAwSDEMLMAIAUEBMCQk0xGTAXBgNVBASOTFEP1b1ZhzGzIzExpcW10ZWQHjAc
-----END CERTIFICATE-----

# Issuer: CN=QuoVadis Root CA 3 G3 O=QuoVadis Limited
# Subject: CN=QuoVadis Root CA 3 G3 O=QuoVadis Limited
# Label: "QuoVadis Root CA 3 G3"
# Serial: 2680907611704614262463995952517532724137089239581
# SHA1 Fingerprint:

-----BEGIN CERTIFICATE-----
MIIFYDCCA0igAwIBAgIURFc0JFuBiZs18s64KzhtpybwdsGywDQYJKoZIhvcNAQEL
BQAwSDEMLMAIAUEBMCQk0xGTAXBgNVBASOTFEP1b1ZhzGzIzExpcW10ZWQHjAc
BgNVBAMTTFVF1bIzhZGzIzExpcW10ZWQJbQgOmgExCAABhD6QYJKoZIhvcNAQEL
BQAwSDEMLMAIAUEBMCQk0xGTAXBgNVBASOTFEP1b1ZhzGzIzExpcW10ZWQHjAc
-----END CERTIFICATE-----
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Open Source Used In ND-NODE v2.1.2b 19538

# Issuer: CN=Staat der Nederlanden Root CA - G3
# Subject: CN=Staat der Nederlanden Root CA - G3
# Label: "Staat der Nederlanden Root CA - G3"
# Serial: 10003001

-----BEGIN CERTIFICATE-----
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# SHA256 Fingerprint:

-----BEGIN CERTIFICATE-----
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# Issuer: CN=IdenTrust Commercial Root CA 1
# Subject: CN=IdenTrust Commercial Root CA 1
# Label: "IdenTrust Commercial Root CA 1"
# Serial: 1329882103496342390520003877796839426
# SHA256 Fingerprint:

-----BEGIN CERTIFICATE-----
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-----END CERTIFICATE-----
Open Source Used In ND-NODE v2.1.2b

---END CERTIFICATE-----

# Issuer: CN=OpenTrust Root CA G3 O=OpenTrust
# Subject: CN=OpenTrust Root CA G3 O=OpenTrust
# Label: "OpenTrust Root CA G3"
# Serial: 1492104908271485630712199418641711170455615
# SHA256 Fingerprint:
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# Issuer: CN=ISRG Root X1 O=Internet Security Research Group
# Subject: CN=ISRG Root X1 O=Internet Security Research Group
# Label: "ISRG Root X1"
# Serial: 172886928669790476064670243504169061120
# SHA256 Fingerprint:
-----BEGIN CERTIFICATE-----
Open Source Used In ND-NODE v2.1.2b
19553

# Issuer: CN=Amazon Root CA 1 O=Amazon
# Subject: CN=Amazon Root CA 2 O=Amazon

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-----END CERTIFICATE-----

# Issuer: CN=Amazon Root CA 2 O=Amazon
# Subject: CN=Amazon Root CA 2 O=Amazon
# Label: "Amazon Root CA 2"
# Serial: 1432669882885963551818349160658925006970653239
# SHA256 Fingerprint:

-----BEGIN CERTIFICATE-----

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-----BEGIN CERTIFICATE-----

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# Issuer: CN=Amazon Root CA 3 O=Amazon
# Subject: CN=Amazon Root CA 3
# Label: "Amazon Root CA 3"
# Serial: 14326698699090766294700635381230934788665930
# MD5 Fingerprint: a0:d8:95:2a:ec:e4:5c:4f:81:87
# SHA256 Fingerprint:

-----BEGIN CERTIFICATE-----

MIIBtjCCAVugAwBAgTBmyf0pY1hnpKD+WG6ehbBuNzANBgqkqhkiG9w0BAQwF
ADASMQswCQYDVQQGEwJVUzEPMA0GA1UEChMGMGQW1hem9uemRkwFwYDVQQDEx
b24gUm9vdCBDQSAMyB4XDE1MDUyUjAwMDAAMwEoBTQxTQwxMDUyNjAwMDAAMwO
MAkGA1UEBhMCVVMxLDANBgkqhkiG9w0BAQwFwEwDAQYJKoZIhvcNAQEBgQIB

-----END CERTIFICATE-----
LSBTdxJ1bSAXmiB1jgABGqkhGkiG9w0BAQEFAAOCAQ8AMIIBCgCQxkQJhknwStzKtQzQnVZcz1x8OSNv0BHTmP4mQ4y86ij5ySrLqPN+RAjigleYN1Hzv/bkJFb4t02RRObEz8HIDcD729z+SQzvBV9fI011rN3wccwv61a+sXzty0cTaAJ7Tv9N8E8m/ugZ8v+je69h/mnmyFXnHrfA2eLIJ2XYvacQFWt4z0h34+924S0400VlgL4O8D862K18IUUm7D8oW8tgTQwUbDjz/ iS1zL+aFCd2QsBz23tPcLG07xx09WSMs5uW99g17eqQRElsoluT1dC4ANLZGeAf AJN6g4e7+eFXpFwIDQAAB0i0wQgDgBnvHq4EFgUZHTi/HiobGP0N8YFWv+1+DrTuYXH V8vQdYDVR0PAQhB/BAQDAgLMEGMA8AgIudewEB/wQFMAMBMB8wQDYKoZLlhcvNAQEL BQADgEbACo/eFeyj7hmFLx5r9Hm0j0iKpEsve31iVzMAhHzq5Am5EM2KIfh AHe+SGm1g1GfG5GxsY80sN7LN13qurdULxjS99Hlmw+0mFz+CFOKW13QSyjwbfPf IPP54+M638ycNlN0TH8nr7F7cusiZoJ1VrOV4PhMqZ398gZ627SumZsZr+Z07rqu4 lzwDGzdpX5aPR4x6e6l2jR37AIYNMM+3yC1SVVZPVQlUnrVGTd5UDrY7U7c 8jEyVupk+eq1nRZmQnLzj90XuMUP8pI4X8W0jq5Rm+K37DwhuJi1/FwJcoz7UMCf lo3Ptv0AnVoUmB8CRPX2Bwp8iXqIPoM=e ----END CERTIFICATE-----

# Issuer: CN=GDCA TrustAUTH R5 ROOT O=GUANG DONG CERTIFICATE AUTHORITY CO.,LTD.
# Subject: CN=GDCA TrustAUTH R5 ROOT O=GUANG DONG CERTIFICATE AUTHORITY CO.,LTD.
# Label: "GDCA TrustAUTH R5 ROUT"
# Serial: 9009899650740120186

-----BEGIN CERTIFICATE-----

MIIFIDCA3CgAwIBAgIIFQmX/vBH6nowDQYJKoZlhlvcaQELBQAwYjELMAkGA1UE BhMCQ04xMjAwBgNVBAoMKUdVQU5HIERPTkcgQ0VSVElGSUNBVEUgQVVUSE9SSVRZ IENPLixMVEMQUMr8wHQYDQDBZHERBNBIFgYdxNOQVVUSCBSNSBST09UMB4XDTE0 MTEyNjA1MMTMxNVxODTQmMTizMTE1NTKn0VowYjELMAkGA1UEBhMCMQ04xMjAwBgNV BAhMQUdVQU5HIERPTkcgQ0VSVElGSUNBVEUgQVVUSE9SSVRZIENPLixMVEMQUMr8w HQYDQDBZHERBNBIFgYdxNOQVVUSCBSNSBST09UMB4XCIjANBgkgqtkhG9w0BAQEF AAOCAG8AMIICcGKCAgEA2aMW8Mh0dHeb7zMN0wZ+VfY1Y92hCtCfZvmPoiC7XJj Dp6FL3TQsAIrFQw9NVWEFylj0s6yehGTXJyGocuEv6ghWn9t9sJlCVcr6ix

-----END CERTIFICATE-----
Open Source Used In ND-NODE v2.1.2b  19559

-----BEGIN CERTIFICATE-----
MIIGlzCCCBegAwIBAgIJaHfyjPLWQIwDQYJKoZIhvcNAQELBQAwgGcGCSqGSIb3DQEBCwUAA4GQCwC2cXMA0GCSqGSIb3DQEBCwUAA4BgcqoL7jcjx1BRtPV+nuN79+MWcUaVIcQ6HMC4p99zVzh1Kxhe1fVSnb1IVYJ12+c5trKAmrhQhJ8Z3mjOaAPG5GP;iDsaOGm8moXg25NSyqRsGFAnWaoOsk+XWq5Gd/bnc9AKSKL3x74xh8N0qJ5DVgk0H5x3iWqjwqeyYmgeCK9u4nBi2uBFf6zPXQIDQAB02mWyATAdBqNvH4EqFgU24fGQ6UnrybPz99mCA5Z5YyWYrlwHW0YD0jBBwfoAU24fGHQ6urnyPz99mCA5Z5YywYrlwDwYDVR0TNAQbBAUwAwEB/BaOAOGvNHVQBBAEBABBMACYAYwDQYJJKoZIhvcNAQELBQADgsgBAIGF5w7u/nOsh8OQA9l+LzBrWyorGS5h60COXkCosA8jYveXruGxw0SK2Ka9G919XElwxaXSqT+WiJYndAfls3fnpkpfbsEZE8C99NiqxP+MWCuVaV3CeqaL7jcx1BRtpV+nuN79+TMQd7xSzoL/0kmMx40/W5ulop5A7ZvZwNL/v9IFhDZVPxZvYRZvYL7DQsEGzQXL+,+z3aoaFogB+1nf6Rxsvm6ARPvy9JYx1RXCi6ObW3S6ZbhQ13L3x7j5+EzLrzuQfogqL7L9ziUwOHQxQ+77xszq+34+yaZH9bD7MjBz7Nbj8RpFw5PIAXz+aO7qIN3+vTmvxxYxzoBnVl87MSz+3+/0WvitUIW2dCFmU2Umwl9Jle4AWkcdEIOQb7dDQyPsc/a8GicCj7/1BeyGBCRAsaU1q7N6a3vQeR6s5gTrk2Rd/POLS/IsreRQYMjN7l+2liYURpFtHrmyk7l71StIxKr3SeWn6EAs6aInKc9QozRfJMDv1GupKu74a1T0TPfl8as/HscBCNANQdxgvtqArAS8e5TZ845b2EmwnenhF7sUMIQMAImTHP9Gn9v55iFDIndmQgw5vqACFLTXWyP5KeXRKQOKIETNCx2b2TMqCvTL8w0RSXQPQCCWPouwpaYTO5KnJe3x+Smsj/D1FU1uwJ
-----END CERTIFICATE-----

# Issuer: CN=TrustCor ECA-1 O=TrustCor Systems S. de R.L. OU=TrustCor Certificate Authority
# Subject: CN=TrustCor ECA-1 O=TrustCor Systems S. de R.L. OU=TrustCor Certificate Authority
# Label: "TrustCor ECA-1"
# Serial: 9548242946988625984
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--- END CERTIFICATE ---

# Issuer: CN=SSL.com Root Certification Authority ECC O=SSL Corporation
# Subject: CN=SSL.com Root Certification Authority ECC O=SSL Corporation
# Label: "SSL.com Root Certification Authority ECC"
# Serial: 849572381327916244

-----BEGIN CERTIFICATE-----

# Issuer: CN=SSL.com EV Root Certification Authority RSA O=SSL Corporation
# Subject: CN=SSL.com EV Root Certification Authority RSA O=SSL Corporation
Open Source Used In ND-NODE v2.1.2b

Label: "SSL.com EV Root Certification Authority RSA R2"


SHA256 Fingerprint:

-----BEGIN CERTIFICATE-----

MIIF6zCCA9OgAwIBAgIIVrYpzTS8ePYwDQYJKoZIhvcNAQELBQAwYXczAJBGvNV
BAYTA1YTMQ4wDAYDVQIDAvUHZxczEQMA4GA1UEBwwHS9G1c3RvbjEYMBYGA1UE
CgwPU1NMIENvenBvcn0aW9uMCtwNQYDVQQIDC5TU0wuY29tIeVWIFJvbj3QgQ2Vv
dGlmaWYnhdGlviBBdXR0b3JpdHkgU1NBIHFyMB4XDTE4MDUzMTE4MTQzNi0xDTQy
MDUzMDExMTQzNiowgYIxCzAJBgNVBAYTAlVTMQ4wDAYDVQIDAvUHZxczEQMA4GA1UE
BwwHS9G1c3RvbjEYMBYGA1UECgwPU1NMIENvenBvcn0aW9uMCtwNQYDVQQD
DC5TU0wuY29tIeVWIFJvbj3QgQ2VvYdGlmaWYnhdGlviBBdXR0b3JpdHkgU1NBIHFy
MIICjAMBgkqhkiG9w0BAQEFAAOCAg8AMIICCgKCAgEAjzZlQOHWTcDXtOlG2mvq
M0fNTP9fb69LT3w23jhhqXZuginXa01XpQDCQEGD5yhBJB/jchXQAR7XnAjssuf
OePPxU7Gkm0mnmx79sommQG6Y3E3B7wcXHswxxzpy616IFJ3g2rThVUeAZjyca
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HSFvkusQv1v0r6/PgN3B0pYE3w3ppkKk08OHakYe6gOV7qd89dAFmPZiw+B6KjBSYR
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b92zhC6Bqj26h725U25781UzgkXWXnN2n4ioYA0eZNh2rdN9CNGs83XpqyQ
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PWKchjgGAGYGSFii2WIPAaipEC0RhuOe4zSnaqW4EWE7WK2NAe15tAnWhmMO
pgWVShbooi4tsjQc2KRVbrc0n6ZVTsj9CLg+SlnUwghUhf8g1OvPuUHYCBBX6Su
UDkifC6hLSjtzdFVHBm3BOaqgE0ITB1quhhMIQ+g+5U8SB/M3kHN48+q4WBkofZ6uY
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HSMEGDAWgBT5YLlzvU4909q1jBoAlp3PhmJnJDgNHVQ4EFQGU+W7C107VPNPa4
9QAAdzd20Zpq14dgYDVR0PAQH/BADQAgMGA03CsqLGS3d3QEDBcCwUAAAICAQBW
s47LCi1jrv+kxJG7zhFCUHZhl+i+VVLQHe88RT6q90Kp+VRK9yj9i0QVBD6b6Thi/5
Sm3HhxVvxcVHvKBk+Rw82xdQ9t9lwcfl7nxy/hoLUE0KNSkTpvDxeH3j9pnaAg
cLAEtbiC3qfeG9mgVYGGSSJu+l+MOn2wuMPfycDzJ2GudKBA5RUnf/kUm
79qGn5x67evalDj5s6AE+g9Pqemc9YMeueVJy6OLk7K4S9kspj/PsEdDOSZ
/bdoyNrgJL3slyR3Bzm5h3thlyj+KxxKl4+esUrMzDBcJoSgYAsOCSp0FvmXt
L199dDz7C7T7u5w/RSPxcctgrwPDw874a8CLyKSrspGPkAaTZsEft4u83BcVEm
Ei7GUMG6gjX/wwyc5WwJ1D8yukAyWlYTzWamsX0xhk23R08yiQwpidmnRC652dK
KbNmlC17SO1hJgthe/96bg5Qu0T/8kRww7ZcegbLNHyHdKvBJc40vG93rdEQ
w/cFGsDr3r3i53dkmmQYRzeYB0V18YHPzA9C/pEn1hLMYegouCRw2n9hgoi
S9E0UCXdywMMF8mDAAhO2UN2K+i3apRmLerY/5UnhletCCTstnEXbosX9hwJ1C07
mKVx01Q7WDz9UmtT/rx7iASjb5S7VF6Gsdq7nC+w==

-----END CERTIFICATE-----

Issuer: CN=SSL.com EV Root Certification Authority ECC O=SSL Corporation
Subject: CN=SSL.com EV Root Certification Authority ECC O=SSL Corporation
Label: "SSL.com EV Root Certification Authority ECC"
Serial: 6248227494352934350
SHA256 Fingerprint:
---BEGIN CERTIFICATE-----
MIIClDCCAhgAwIBAgIILCmcWxbtBZUwCgYIKoZIzj0EAwIwVzQxCzAfBgNVBAsMA0Fp
bmltZXMgUjQgQ2VydGljb2wgbG9naW4gQ29ycG9yYXRpb24gb2xvdXAgMRwGCSqG
SHPzABAAABnADGyBQwwCgYDVR0PAQH/BAQDAgGCAggEAMCFBAMCAQEwDgYDVR0PA
HBsbwIBAAIBAgYEYDVR0PAQH/BAQDAgGCCsGAQUFBwEBBklkBggrBgEFBQcwAYYw
DAYDVQQDExhJbnR5cGVyIENlbnR5eSBDaXNoIE5ldXVlcjEzMCowQDAdBgNVBAsHC2R
bIHRoZSBDaXNoIE5ldXVlcjEzMCEwKjAxMDowOjgNCzAfBgNVBAsHFHJvcmQgUmF3
b3JhZCBjem9vc3QgU29udGV4dCBTQ29ya2F0aW9uIEF1dGhvcml0eSBDaXNoIE5ldX
VlMfMA0GCSqGSIb3DQEBCwUAA4GBAPaQwA5a96Dn9sU5wBOoJQKpI0/43fuxDqouc
7K7Ny9fGf5aZB7pXuoTcIwksr+hk0t9oT6bgZGd9ZL2Xl2T5nU9IiTnK75Ri2us2p
z0fC0Ue8F9XyRkNpEatvC7kEo72jIY8LWVQc7iH7P8BA
-----END CERTIFICATE-----

Found in path(s):
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/src/python/grpcio/grpc/_cython/_credentials/roots.pem
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/etc/roots.pem

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Found in path(s):
* /opt/cola/permissions/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/crypto/curve25519/x25519-x86_64.c

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===================================================================

Found in path(s):
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/crypto/fipsmodule/modes/ctr.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
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/* "grpc/_cython/cygrpc.pyx":1
 * # Copyright 2015 gRPC authors.             # <<<<<<<<<<<<<<
 * #
 * # Licensed under the Apache License, Version 2.0 (the "License);
 *#
 */

Found in path(s):
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1.12.1-1-1-tar.gz/grpcio-1.12.1/src/python/grpcio/_cython/cygrpc.cpp

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/* unzip.c -- IO for uncompress .zip files using zlib
Version 1.1, February 14h, 2010
part of the MiniZip project - ( http://www.winimage.com/zLibDll/minizip.html )

Copyright (C) 1998-2010 Gilles Vollant (minizip) ( http://www.winimage.com/zLibDll/minizip.html )

Modifications of Unzip for Zip64
Copyright (C) 2007-2008 Even Rouault

Modifications for Zip64 support on both zip and unzip
Copyright (C) 2009-2010 Mathias Svensson ( http://result42.com )

For more info read MiniZip_info.txt

Decryption code comes from crypt.c by Info-ZIP but has been greatly reduced in terms of compatibility with older software. The following is from the original crypt.c.

Copyright (c) 1990-2000 Info-ZIP. All rights reserved.

See the accompanying file LICENSE, version 2000-Apr-09 or later
(the contents of which are also included in zip.h) for terms of use.
If, for some reason, all these files are missing, the Info-ZIP license also may be found at: ftp://ftp.info-zip.org/pub/infozip/license.html

crypt.c (full version) by Info-ZIP. Last revised: [see crypt.h]

The encryption/decryption parts of this source code (as opposed to the non-echoing password parts) were originally written in Europe. The whole source package can be freely distributed, including from the USA. (Prior to January 2000, re-export from the US was a violation of US law.)

This encryption code is a direct transcription of the algorithm from Roger Schlafly, described by Phil Katz in the file appnote.txt. This file (appnote.txt) is distributed with the PKZIP program (even in the version without encryption capabilities).

Changes in unzip.c

2007-2008 - Even Rouault - Addition of cpl_unzGetCurrentFileZStreamPos
2007-2008 - Even Rouault - Decoration of symbol names unz* -> cpl_unz*
2007-2008 - Even Rouault - Remove old C style function prototypes
2007-2008 - Even Rouault - Add unzip support for ZIP64

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Oct-2009 - Mathias Svensson - Removed cpl_* from symbol names (Even Rouault added them but since this is now moved to a new project (minizip64) I renamed them again).
Oct-2009 - Mathias Svensson - Fixed problem if uncompressed size was > 4G and compressed size was <4G should only read the compressed/uncompressed size from the Zip64 format if the size from normal header was 0xFFFFFFFF
Oct-2009 - Mathias Svensson - Applied some bug fixes from patches recived from Gilles Vollant
Oct-2009 - Mathias Svensson - Applied support to unzip files with compression method BZIP2 (bzip2 lib is required)

Patch created by Daniel Borca

Jan-2010 - back to unzip and minizip 1.0 name scheme, with compatibility layer

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*/

Found in path(s):
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/zlib/contrib/minizip/unzip.c

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 *
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 * by Eric Young (eay@cryptsoft.com).
 * The implementation was written so as to conform with Netscapes SSL.
 *
 * This library is free for commercial and non-commercial use as long as
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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/cares/cares/ares_getopt.h
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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
  1.12.1/third_party/boringssl/include/openssl/lhash.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/crypto/fipsmodule/des/des.c
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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/crypto/x509/x509/x_crl.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/include/openssl/hmac.h
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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/crypto/x509/t_x509a.c
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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/crypto/x509/asn1/asn1_lib.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/crypto/x509/asn1/asn1_pkey.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/crypto/x509/asn1/asn1_frei.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/crypto/x509/asn1/asn1_xfrei.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/crypto/x509/t_x509.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/crypto/x509/x509/x509.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/crypto/x509/x509/x509.h
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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/crypto/x509/x509/x509.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/crypto/x509/a_strex.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/include/openssl/stack.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/crypto/asn1/a_strnid.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/crypto/fipsmodule/sha/sha256.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/crypto/asn1/f_enum.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/ssl/lts_method.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/include/openssl/rsa.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/crypto/x509/x_req.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/crypto/x509/x509_d2.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/crypto/pem/pem_lib.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/crypto/cipher_extra/cipher_extra.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/ssl/ssl_privkey.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/crypto/fipsmodule/rsa/rsa_internal.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/include/openssl/rc4.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar.gz/grpcio-1.12.1/third_party/boringssl/include/openssl/blowfish.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar.gz/grpcio-1.12.1/third_party/boringssl/crypto/asn1/a_type.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar.gz/grpcio-1.12.1/third_party/boringssl/crypto/bio/bio.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar.gz/grpcio-1.12.1/third_party/boringssl/crypto/fipsmodule/bn/generic.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar.gz/grpcio-1.12.1/third_party/boringssl/crypto/thread.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar.gz/grpcio-1.12.1/third_party/boringssl/crypto/asn1/asn1_par.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar.gz/grpcio-1.12.1/third_party/boringssl/crypto/asn1/a_time.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar.gz/grpcio-1.12.1/third_party/boringssl/include/openssl/digest.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar.gz/grpcio-1.12.1/third_party/boringssl/crypto/x509/x509_vfy.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar.gz/grpcio-1.12.1/third_party/boringssl/crypto/fipsmodule/md5/md5.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar.gz/grpcio-1.12.1/third_party/boringssl/crypto/obj/obj.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar.gz/grpcio-1.12.1/third_party/boringssl/crypto/x509/x_val.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar.gz/grpcio-1.12.1/third_party/boringssl/crypto/x509/x_req.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar.gz/grpcio-1.12.1/third_party/boringssl/crypto/asn1/f_string.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar.gz/grpcio-1.12.1/third_party/boringssl/include/openssl/buf.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar.gz/grpcio-1.12.1/third_party/boringssl/crypto/evp/sign.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar.gz/grpcio-1.12.1/third_party/boringssl/crypto/bio/socket.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar.gz/grpcio-1.12.1/third_party/boringssl/include/openssl/base64.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar.gz/grpcio-1.12.1/third_party/boringssl/crypto/x509/a_verify.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar.gz/grpcio-1.12.1/third_party/boringssl/crypto/x509/by_file.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar.gz/grpcio-1.12.1/third_party/boringssl/decrepit/cast/external.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1.tar.gz/grpcio-
  1.12.1/third_party/boringssl/crypto/asn1/a_utctm.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1.tar.gz/grpcio-
  1.12.1/third_party/boringssl/crypto/cipher_extra/e_rc4.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1.tar.gz/grpcio-
  1.12.1/third_party/boringssl/crypto/x509/x509_cmp.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1.tar.gz/grpcio-
  1.12.1/third_party/boringssl/crypto/x509/x_exten.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1.tar.gz/grpcio-
  1.12.1/third_party/boringssl/crypto/x509/x_spki.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1.tar.gz/grpcio-
  1.12.1/third_party/boringssl/crypto/x509/x_txt.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1.tar.gz/grpcio-
  1.12.1/third_party/boringssl/crypto/bio/internal.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1.tar.gz/grpcio-
  1.12.1/third_party/boringssl/crypto/obj/obj_xref.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1.tar.gz/grpcio-
  1.12.1/third_party/boringssl/crypto/fipsmodule/rsa/sha1.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1.tar.gz/grpcio-
  1.12.1/third_party/boringssl/crypto/fipsmodule/sha/sha1-altivec.c

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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/crypto/x509/a_sign.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/crypto/fipsmodule/md4/md4.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/crypto/x509/x509_ext.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/crypto/fipsmodule/sha/sha512.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/include/openssl/conf.h

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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/third_party/googletest/test/gtest_catch_exceptions_test.py

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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/cares/cares/test/gmock-1.7.0/scripts/fuse_gmock_files.py
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/third_party/googletest/test/gtest_color_test.py
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  1.12.1/third_party/boringssl/ssl/ssl_file.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
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1.12.1/third_party/boringssl/crypto/cipher_extra/cipher_test.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/crypto/evp/evp_test.cc
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1.12.1/third_party/zlib/deflate.c
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/*
 * IP-address/hostname to country converter.
 *
 * Problem; you want to know where IP a.b.c.d is located.
 *
 * Use ares_gethostbyname("d.c.b.a.zz.countries.nerd.dk")
 * and get the CNAME (host->h_name). Result will be:
 * CNAME = zz<CC>.countries.nerd.dk with address 127.0.x.y (ver 1) or
 * CNAME = <a.b.c.d>.zz.countries.nerd.dk with address 127.0.x.y (ver 2)
 *
 * The 2 letter country code is in <CC> and the ISO-3166 country
 * number is in x.y (number = x*256 + y). Version 2 of the protocol is missing
 * the <CC> number.
 *
 * Ref: http://countries.nerd.dk/more.html
* Written by G. Vanem <gvanem@yahoo.no> 2006, 2007
* 
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* /opt/ cola/ permits/ 1160881901_ 1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
 1.12.1/third_party/boringssl/crypto/ecdh/ecdh.c

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/opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/crypto/x509v3/pcy_int.h
/opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/crypto/x509v3/pcy_map.c
/opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/crypto/x509v3/pcy_tree.c

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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
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  1.12.1/third_party/boringssl/crypto/pool/pool_test.cc
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  1.12.1/third_party/boringssl/decrepit/evp/dss1.c
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1.12.1/third_party/boringssl/fuzz/client.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/decrepit/obj/obj_decrepit.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/crypto/fipsmodule/ec/p256-x86_64_test.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/crypto/poly1305/internal.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/crypto/asn1/asn1_test.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/decrepit/ripemd/ripemd_test.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/fuzz/ssl_ctx_api.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/ssl/tls13_enc.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/include/openssl/pool.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
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/* inftrees.c -- generate Huffman trees for efficient decoding
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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
  1.12.1/third_party/boringssl/include/openssl/dsa.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
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  1.12.1/third_party/boringssl/crypto/x509v3/v3_pci.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
  1.12.1/third_party/boringssl/crypto/x509v3/v3_pcia.c

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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/ssl/handshake_server.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/ssl/s3_lib.cc
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/* trees.c -- output deflated data using Huffman coding
* Copyright (C) 1995-2017 Jean-loup Gailly
* detect_data_type() function provided freely by Cosmin Truta, 2006
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*/

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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/zlib/trees.c
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*/

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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/zlib/contrib/inftree9/inftree9.c
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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/crypto/rand_extra/windows.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/ssl/test/test_config.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/crypto/base64/base64_test.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/crypto/fipsmodule/rand/unrand.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/crypto/crypto.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/crypto/pkcs8/pkcs12_test.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/ssl/test/packeted_bio.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
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1.12.1/third_party/boringssl/include/openssl/opensslv.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/include/openssl/rand.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/crypto/bytestring/cbs.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/include/openssl/engine.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/crypto/cipher_extra/e_ssl3.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/ssl/test/packeted_bio.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/ssl/test/async_bio.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/tool/speed.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/tool/args.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/ssl/test/packeted_bio.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/tool/transport_common.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/include/opensslconf.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/crypto/fipsmodule/rand/rand.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/crypto/cpu-arm.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/crypto/cpu-arm.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/crypto/chacha.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/tool/server.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/tool/const.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/crypto/poly1305/poly1305_vec.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/crypto/poly1305/poly1305_vec.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/crypto/cbs.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/crypto/bytestring/cbb.c
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/* gun.c -- simple gunzip to give an example of the use of inflateBack()
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Version 1.7 12 August 2012 Mark Adler */

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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/cares/cares/test/gmock-1.7.0/gtest/test/gtest_shuffle_test.py

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*/opt/cola/permits/1160881901_1620412826.60/grpcpio-1-12-1-1-tar-gz/grpcpio-1.12.1/third_party/boringssl/crypto/x509v3/v3_ncons.c
*/opt/cola/permits/1160881901_1620412826.60/grpcpio-1-12-1-1-tar-gz/grpcpio-1.12.1/third_party/boringssl/crypto/x509v3/v3_pmaps.c

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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/crypto/dh/params.c
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/* zutil.c -- target dependent utility functions for the compression library
* Copyright (C) 1995-2017 Jean-loup Gailly
* For conditions of distribution and use, see copyright notice in zlib.h
*/

Found in path(s):
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/zlib/zutil.c
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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/include/grpc/impl/codegen/propagation_bits.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/src/core/ext/filters/load_reporting/server_load_reporting_plugin.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/include/grpc/core/ext/filters/load_reporting/server_load_reporting_plugin.h
1.12.1/src/core/ext/transport/cthttp2/server/cthttp2_server.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/src/core/ext/transport/cronet/client/secure/cronet_channel_create.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/include/grpc/improt/codegen/sync.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/src/core/ext/filters/client_channel/lb_policy/grpc/lb_policy.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/src/core/lib/iomgr/unix_sockets_posix.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/src/core/lib/iomgr/endpoint_pair_uv.cc
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/src/core/lib/channel/channel_stack_builder.cc

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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/decrepit/cfb/cfb.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/decrepit/cfb/cfb_test.cc

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/* crc32.c -- compute the CRC-32 of a data stream
* For conditions of distribution and use, see copyright notice in zlib.h
* 
* Thanks to Rodney Brown <rbrown64@csc.com.au> for his contribution of faster
* CRC methods: exclusive-oring 32 bits of data at a time, and pre-computing
* tables for updating the shift register in one step with three exclusive-ors
* instead of four steps with four exclusive-ors. This results in about a
* factor of two increase in speed on a Power PC G4 (PPC7455) using gcc -O3.
*/

* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/util/bot/extract.py

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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/util/bot/extract.py
*/ opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/util/vs_env.py
*/ opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/util/generate-asm-lcov.py
*/ opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/util/generate_build_files.py
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/* infcover.c -- test zlib's inflate routines with full code coverage
 * Copyright (C) 2011, 2016 Mark Adler
 * For conditions of distribution and use, see copyright notice in zlib.h
 */

Found in path(s):
*/ opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/zlib/test/infcover.c
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/* infback9.h -- header for using inflateBack9 functions
 * Copyright (C) 2003 Mark Adler
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 */

Found in path(s):
*/ opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/zlib/contrib/infback9/infback9.h
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*/ opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/third_party/fiat/internal.h
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Metadata-Version: 1.1
Name: grpcio
Version: 1.12.1
Summary: HTTP/2-based RPC framework
Home-page: https://grpc.io
Author: The gRPC Authors
Author-email: grpc-io@googlegroups.com
Package for gRPC Python.

Installation

---------------

gRPC Python is available for Linux, macOS, and Windows.

From PyPI

~~~~~~~~

If you are installing locally...

::

$ pip install grpcio

Else system wide (on Ubuntu)...

::

$ sudo pip install grpcio

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

Windows users may need to invoke `pip.exe` from a command line ran 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!

From Source

~~~~~~~~~~~~~

Building from source requires that you have the Python headers (usually a package named `python-dev`).

::
export REPO_ROOT=grpc  # REPO_ROOT can be any directory of your choice
$ cd $REPO_ROOT
$ git submodule update --init

# For the next two commands do `sudo pip install` if you get permission-denied errors
$ pip install -rrequirements.txt
$ 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**:code:`pkg_resources.VersionConflict` **when I try to install
grpc**

This is likely because :code:`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:

:code:`pip install --ignore-installed $OFFENDING_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 the following error on some platforms**
You can fix it by installing `python-dev` package. i.e

::

    sudo apt-get install python-dev

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

Found in path(s):
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/src/python/grpcio/grpcio.egg-info/PKG-INFO
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/PKG-INFO

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/* puff.h
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version 2.3, 21 Jan 2013

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Found in path(s):
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/zlib/contrib/puff/puff.h
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Found in path(s):
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/src/core/ext/filters/client_channel/resolver/dns/c_ares/grpc_ares_wrapper_fallback.cc
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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1.12.1/tar-gz/grpcio-1.12.1/src/core/lib/slice/slice_hash_table.h
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1.12.1/tar-gz/grpcio-1.12.1/src/core/lib/slice/slice_weak_hash_table.h

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/* gzjoin -- command to join gzip files into one gzip file

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/* gzappend -- command to append to a gzip file

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  1.12.1/src/core/lib/security/credentials/alts/check_gcp_environment.h
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  1.12.1/src/core/lib/iomgr/resolve_address_custom.h
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  1.12.1/src/core/tsi/als/handshaker/als_handshaker_client.cc
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  1.12.1/src/core/tsi/ssl/session_cache/ssl_session_cache.h
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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1.12.1-1.tar.gz/grpcio-
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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1.12.1-1.tar.gz/grpcio-
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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1.12.1-1.tar.gz/grpcio-
  1.12.1/src/core/tsi/ssl/session_cache/ssl_session.h
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1.12.1/third_party/boringssl/crypto/evp/p_rsa_asn1.c

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/*! zran.c -- example of zlib/gzip stream indexing and random access
 * Copyright (C) 2005, 2012 Mark Adler
 * For conditions of distribution and use, see copyright notice in zlib.h
 * Version 1.1 29 Sep 2012 Mark Adler */

Found in path(s):
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/zlib/examples/zran.c
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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/util/go/env.py
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/util/go/vs_toolchain.py
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/*! gzread.c -- zlib functions for reading gzip files
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 */

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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/zlib/gzread.c
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/opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/crypto/x509v3/v3_extku.c
/opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/crypto/x509v3/v3_prn.c
/opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/crypto/x509v3/v3_akey.c
/opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/crypto/pkcs8/pkcs8.c
/opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
1.12.1/third_party/boringssl/crypto/x509v3/v3_akey.c

adler32.c -- compute the Adler-32 checksum of a data stream
* Copyright (C) 1995-2011, 2016 Mark Adler
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*/

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* pufftest.c
* Copyright (C) 2002-2013 Mark Adler
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* version 2.3, 21 Jan 2013
*/

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*/

* inffast.c -- fast decoding
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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-1.12.1/third_party/boringssl/ssl/s3_both.cc

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  1.12.1/third_party/boringssl/crypto/dsa/dsa_asn1.c
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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
  1.12.1/third_party/boringssl/crypto/fipsmodule/aes/aes.c
* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
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* /opt/cola/permits/1160881901_1620412826.6/0/grpcio-1-12-1-1-tar-gz/grpcio-
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/* inffas86.c is a hand tuned assembler version of

* inffast.c -- fast decoding
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*
* Dec-29-2003 -- I added AMD64 inflate asm support. This version is also
* slightly quicker on x86 systems because, instead of using rep movsb to copy
* data, it uses rep movsw, which moves data in 2-byte chunks instead of single
* bytes. I've tested the AMD64 code on a Fedora Core 1 + the x86_64 updates
* from http://fedora.linux.duke.edu/fc1_x86_64
* which is running on an Athlon 64 3400+ / Gigabyte GA-K8VT800M system with
* 1GB ram. The 64-bit version is about 4% faster than the 32-bit version,
* when decompressing mozilla-source-1.3.tar.gz.
*
* Mar-13-2003 -- Most of this is derived from inffast.S which is derived from
* the gcc -S output of zlib-1.2.0/inffast.c. Zlib-1.2.0 is in beta release at
* the moment. I have successfully compiled and tested this code with gcc2.96,
* gcc3.2, icc5.0, msvc6.0. It is very close to the speed of inffast.S
* compiled with gcc -DNO_MMX, but inffast.S is still faster on the P3 with MMX
* enabled. I will attempt to merge the MMX code into this version. Newer
* versions of this and inffast.S can be found at
* http://www.eetbeetee.com/zlib/ and http://www.charm.net/~christop/zlib/
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*/opt/cola/permits/1160881901_1620412826.6/0/grpcio-1.12.1-1.1-tar.gz/grpcio-
1.12.1/third_party/zlib/contrib/inflate86/inffas86.c

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1.1606 shurcool-httpfs 0.0.0-20190707220628-8d4bc4ba7749
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1.1612 slf4j-log4j 1.7.25

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1.1614 opencensus 0.18.0

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compiler/cpp/src/main.cc
compiler/cpp/src/parse/t_field.h
compiler/cpp/src/parse/t_program.h
compiler/cpp/src/platform.h
compiler/cpp/src/thriftl.ll
compiler/cpp/src/thrifty.yy
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  author: root

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* DNS resolver (dirmngr/dns.c)

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-------------------------------------------------------------------------------------------------------------------
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/**
 * Constructs a new {@link SerialVersionUIDAdder}. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the {@link #SerialVersionUIDAdder(int, ClassVisitor)}
 * version.
 *
 * @param classVisitor a {@link ClassVisitor} to which this visitor will delegate calls.
 * @throws IllegalStateException If a subclass calls this constructor.
 */

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/**
 * Constructs a new GeneratorAdapter. <i>Subclasses must not use this constructor</i>.
 * Instead, they must use the GeneratorAdapter(int, MethodVisitor, int, String, String)
 * version.
 *
 * @param methodVisitor the method visitor to which this adapter delegates calls.
 * @param access the method's access flags (see Opcodes).
 * @param name the method's name.
 * @param descriptor the method's descriptor (see Type).
 * @throws IllegalStateException if a subclass calls this constructor.
 */

Found in path(s):
* /opt/cola/permits/1135935692_1613638422.89/0/asm-commons-7-2-sources-4-
jar/org/objectweb/asm/commons/GeneratorAdapter.java

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/**
 * Constructs a new LocalVariablesSorter. <i>Subclasses must not use this constructor</i>.
 * Instead, they must use the LocalVariablesSorter(int, int, String, MethodVisitor)
 * version.
 *
 * @param access access flags of the adapted method.
 * @param descriptor the method's descriptor (see Type).
 * @param methodVisitor the method visitor to which this adapter delegates calls.
 * @throws IllegalStateException if a subclass calls this constructor.
 */

Found in path(s):
* /opt/cola/permits/1135935692_1613638422.89/0/asm-commons-7-2-sources-4-
jar/org/objectweb/asm/commons/LocalVariablesSorter.java
1.1627 easyjson 0.7.0
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1.1628 python-requests 2.23.0
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1.1630 rsyslog 7.4.7 12.el7

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  jar/io/netty/handler/codec/http2/HttpToHttp2ConnectionHandler.java
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  jar/io/netty/handler/codec/http2/Http2FrameLogger.java
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  jar/io/netty/handler/codec/http2/Http2OutboundFrameLogger.java
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  jar/io/netty/handler/codec/http2/Http2FrameLogger.java
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1.1637 go-autorest-tracing 0.5.0

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Protocol Buffers for Go with Gadgets
Go support for Protocol Buffers - Google's data interchange format

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Gocheck - A rich testing framework for Go

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  jar/springfox/documentation/spi/service/contexts/Orderings.java
  */opt/cola/permits/1177939641_1625570672.78/0/springfox-spi-2-9-2-sources-3-
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  jar/springfox/documentation/spi/service/contexts/DocumentationContextBuilder.java
* /opt/cola/permits/1177939641_1625570672.78/0/springfox-spi-2-9-2-sources-3-
  jar/springfox/documentation/service/PathDecorator.java
* /opt/cola/permits/1177939641_1625570672.78/0/springfox-spi-2-9-2-sources-3-
  jar/springfox/documentation/spi/service/ApiListingBuilderPlugin.java
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  jar/springfox/documentation/service/OperationModelsProviderPlugin.java
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  jar/springfox/documentation/spi/service/ApiSelector.java
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  jar/springfox/documentation/spi/schema/TypeNameProviderPlugin.java
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  jar/springfox/documentation/spi/service/contexts/DocumentationContext.java
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  jar/springfox/documentation/service/PathAdjuster.java
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  jar/springfox/documentation/spi/service/ParameterBuilderPlugin.java
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  jar/springfox/documentation/spi/schema/AlternateTypeProvider.java
* /opt/cola/permits/1177939641_1625570672.78/0/springfox-spi-2-9-2-sources-3-
  jar/springfox/documentation/spi/DocumentationType.java
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  jar/springfox/documentation/spi/service/contexts/Defaults.java
* /opt/cola/permits/1177939641_1625570672.78/0/springfox-spi-2-9-2-sources-3-
  jar/springfox/documentation/spi/service/ExpandedParameterBuilderPlugin.java
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  jar/springfox/documentation/spi/service/ResourceGroupingStrategy.java
* /opt/cola/permits/1177939641_1625570672.78/0/springfox-spi-2-9-2-sources-3-
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* /opt/cola/permits/1177939641_1625570672.78/0/springfox-spi-2-9-2-sources-3-jar/springfox/documentation/spi/service/ParameterMetadataAccessor.java
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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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The header files "include/image.h" and "arch/*/include/asm/u-boot.h" define interfaces to U-Boot. Including these (unmodified) header files in another file is considered normal use of U-Boot, and does *not* fall under the heading of "derived work".

-- Wolfgang Denk

/*
 * FreeBSD strace list
 *
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 *
*/

{ TARGET_FREEBSD_NR__acl_aclcheck_fd, "__acl_aclcheck_fd", "%s(%d, %d, %#x)\", NULL, NULL },
{ TARGET_FREEBSD_NR__acl_aclcheck_file, "__acl_aclcheck_file", "%s("%s\"", %d, %d#\")%\", NULL, NULL },
{ TARGET_FREEBSD_NR__acl_aclcheck_link, "__acl_aclcheck_link", "%s("%s\"", %d, %d#\")%\", NULL, NULL },
{ TARGET_FREEBSD_NR__acl_delete_fd, "__acl_delete_fd", "%s(%d, %d)\", NULL, NULL },
{ TARGET_FREEBSD_NR__acl_delete_file, "__acl_delete_file", "%s("%s\"", %d)\", NULL, NULL },
{ TARGET_FREEBSD_NR__acl_delete_link, "__acl_delete_link", "%s("%s\"", %d)\", NULL, NULL },
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{ TARGET_FREEBSD_NR__acl_set_fd, "__acl_set_fd", "%s(%d, %d, %d#\")%\", NULL, NULL },
{ TARGET_FREEBSD_NR__acl_set_file, "__acl_set_file", "%s("%s\"", %d, %d#\")%\", NULL, NULL },
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{ TARGET_FREEBSD_NR__syscall, "__syscall", NULL, NULL, NULL },
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{ TARGET_FREEBSD_NR_extattr_delete_file, "extattr_delete_file", "%s('%s', %d, '%s')", NULL, NULL },
{ TARGET_FREEBSD_NR_extattr_delete_link, "extattr_delete_link", "%s('%s', %d, '%s')", NULL, NULL },
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{ TARGET_FREEBSD_NR_sendmsg, "sendmsg", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sendto, "sendto", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setcontext, "setcontext", "%s(\%#x)\", NULL, NULL },
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{ TARGET_FREEBSD_NR_setresuid, "setresuid", NULL, NULL, NULL },
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{ TARGET_FREEBSD_NR_shmdt, "shmdt", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_shmget, "shmget", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_shutdown, "shutdown", NULL, NULL, NULL },
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{ TARGET_FREEBSD_NR_sigaltstack, "sigaltstack", "%s(\%p,\%p)\", NULL, NULL },
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{ TARGET_FREEBSD_NR_sigsuspend, "sigsuspend", NULL, NULL, NULL },
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{ TARGET_FREEBSD_NR_socketpair, "socketpair", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sstk, "sstk", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_stat, "stat", "%s(\%s,\%s)\", NULL, NULL },
{ TARGET_FREEBSD_NR_statfs, "statfs", "%s(\%s,\%s)\", NULL, NULL },
{ TARGET_FREEBSD_NR_symlink, "symlink", "%s(\%s,"\"%s")\", NULL, NULL },
{ TARGET_FREEBSD_NR_sync, "sync", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sysarch, "sysarch", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_syscall, "syscall", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_thr_create, "thr_create", "%s(\%d, \%d)\", NULL, NULL },
{ TARGET_FREEBSD_NR_thr_exit, "thr_exit", "%s(\%d)\", NULL, NULL },
{ TARGET_FREEBSD_NR_thr_kill, "thr_kill", "%s(\%d, \%d)\", NULL, NULL },
{ TARGET_FREEBSD_NR_thr_kill2, "thr_kill2", "%s(\%d, \%d, \%d)\", NULL, NULL },
{ TARGET_FREEBSD_NR_thr_new, "thr_new", "%s(\%d, \%d)\", NULL, NULL },
{ TARGET_FREEBSD_NR_thr_self, "thr_self", "%s(\%d)\", NULL, NULL },
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{ TARGET_FREEBSD_NR_thr_suspend, "thr_suspend", "%s(\%d, \%d)\", NULL, NULL },
{ TARGET_FREEBSD_NR_thr_wait, "thr_wait", "%s(%d)", NULL, NULL },
{ TARGET_FREEBSD_NR_truncate, "truncate", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_umask, "umask", "%s(%#o)", NULL, NULL },
{ TARGET_FREEBSD_NR_unlink, "unlink", "%s("%s")", NULL, NULL },
{ TARGET_FREEBSD_NR_unmount, "unmount", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_utimes, "utimes", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_vfork, "vfork", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_wait4, "wait4", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_write, "write", "%s(%d,%#x,%d)", NULL, NULL },
{ TARGET_FREEBSD_NR_writev, "writev", "%s(%d,%p,%#x)", NULL, NULL },
Index: debug.c
===================================================================
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/debug.c,v
retrieving revision 1.1
retrieving revision 1.3
diff -u -u -r1.1 -r1.3
--- debug.c 7 Sep 2007 10:01:21 -0000 1.1
+++ debug.c 15 Jan 2008 13:49:25 -0000 1.3
@@ -52,7 +52,11 @@
 void X86EMU_trace_regs (void)
 {
     if (DEBUG_TRACE()) {
-        x86emu_dump_regs();
+        if (M.x86.mode & (SYSMODE_PREFIX_DATA | SYSMODE_PREFIX_ADDR)) {
+            x86emu_dump_xregs();
+        } else {
+            x86emu_dump_regs();
+        }
+    }
+    int (DEBUG_DECODER) && ! DEBUG_DECODER_NOPRINT()) {
+        printk("%04x:%04x ",M.x86.saved_cs, M.x86.saved_ip);  
@@ -185,7 +189,7 @@
 for (i=0; i< M.x86.enc_pos; i++) {
             sprintf(buf1+2*i,"%02x", fetch_data_byte_abs(s,o+i));
         }
-        printk("%-20s",buf1);
+        printk("%-20s ",buf1);
 }

 static void print_decoded_instruction (void)
Index: ops2.c
===================================================================
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/ops2.c,v
retrieving revision 1.1
retrieving revision 1.3
diff -u -u -r1.1 -r1.3
--- ops2.c7 Sep 2007 10:01:21 -00001.1
+++ ops2.c20 Mar 2008 15:48:34 -00001.3
@@ -149,8 +149,69 @@
target += (s16) M.x86.R_IP;
DECODE_PRINTF2("%04x\n", target);
TRACE_AND_STEP();
- if (cond)
+ if (cond) {
M.x86.R_IP = (u16)target;
+JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, " LONG COND ");
+ }
+ DECODE_CLEAR_SEGOVR();
+ END_OF_INSTR();
+}
+
+/****************************************************************************
+REMARKS:
+Handles opcode 0x0f,0xC8-0xCF
+****************************************************************************/
+s32 x86emu_bswap(s32 reg)
+{
+ // perform the byte swap
+ s32 temp = reg;
+ reg = (temp & 0xFF000000) >> 24;
+ reg |= (temp & 0xFF0000) >> 8;
+ reg |= (temp & 0xFF00) << 8;
+ reg |= (temp & 0xFF) << 24;
+ return reg;
+}
+
+void x86emuOp2_bswap(u8 op2)
+{
+ /* byte swap 32 bit register */
+ START_OF_INSTR();
+ DECODE_PRINTF("BSWAP\t");
+ switch (op2) {
+
case 0xc8:
+
DECODE_PRINTF("EAX\n");
+
M.x86.R_EAX = x86emu_bswap(M.x86.R_EAX);
+
break;
+
case 0xc9:
+
DECODE_PRINTF("ECX\n");
+
M.x86.R_ECX = x86emu_bswap(M.x86.R_ECX);
+
break;
+
case 0xca:
+
DECODE_PRINTF("EDX\n");
+
M.x86.R_EDX = x86emu_bswap(M.x86.R_EDX);
+
break;
+
case 0xcb:
+
DECODE_PRINTF("EBX\n");

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M.x86.R_EBX = x86emu_bswap(M.x86.R_EBX);
break;
case 0xcc:
    DECODE_PRINTF("ESP\n");
    M.x86.R_ESP = x86emu_bswap(M.x86.R_ESP);
    break;
case 0xcd:
    DECODE_PRINTF("EBP\n");
    M.x86.R_EBP = x86emu_bswap(M.x86.R_EBP);
    break;
case 0xce:
    DECODE_PRINTF("ESI\n");
    M.x86.R_ESI = x86emu_bswap(M.x86.R_ESI);
    break;
case 0xcf:
    DECODE_PRINTF("EDI\n");
    M.x86.R_EDI = x86emu_bswap(M.x86.R_EDI);
    break;
    }
TRACE_AND_STEP();
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();

/* 0xc5 */ x86emuOp2_illegal_op,
/* 0xc6 */ x86emuOp2_illegal_op,
/* 0xc7 */ x86emuOp2_illegal_op,
-/* 0xc8 */ x86emuOp2_illegal_op,  /* TODO: bswap */
-/* 0xc9 */ x86emuOp2_illegal_op,  /* TODO: bswap */
-/* 0xca */ x86emuOp2_illegal_op,  /* TODO: bswap */
-/* 0xcb */ x86emuOp2_illegal_op,  /* TODO: bswap */
-/* 0xcc */ x86emuOp2_illegal_op,  /* TODO: bswap */
-/* 0xcd */ x86emuOp2_illegal_op,  /* TODO: bswap */
-/* 0xce */ x86emuOp2_illegal_op,  /* TODO: bswap */
-/* 0xcf */ x86emuOp2_illegal_op,  /* TODO: bswap */
+/* 0xc8 */ x86emuOp2_bswap,
+/* 0xc9 */ x86emuOp2_bswap,
+/* 0xca */ x86emuOp2_bswap,
+/* 0xcb */ x86emuOp2_bswap,
+/* 0xcc */ x86emuOp2_bswap,
+/* 0xcd */ x86emuOp2_bswap,
+/* 0xce */ x86emuOp2_bswap,
+/* 0xcf */ x86emuOp2_bswap,

/* 0xd0 */ x86emuOp2_illegal_op,
/* 0xd1 */ x86emuOp2_illegal_op,
Index: ops.c
===================================================================
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/ops.c,v
retrieving revision 1.1

diff -u -u -r1.1 ops.c
--- ops.c7 Sep 2007 10:01:21 -0000
+++ ops.c20 Mar 2008 16:52:00 -0000
@@ -1061,7 +1061,11 @@
 imm = (s8)fetch_byte_imm();
 DECODE_PRINTF2("PUSH\t%d\n", imm);
 TRACE_AND_STEP();
-    push_word(imm);
+    if (M.x86.mode & SYSMODE_PREFIX_DATA) {
+        push_long(imm);
+    } else {
+        push_word(imm);
+    }
+    DECODE_CLEAR_SEGOVR();
 END_OF_INSTR();
}
@@ -1256,8 +1260,10 @@
 target = (u16)(M.x86.R_IP + (s16)offset);
 DECODE_PRINTF2("%x\n", target);
 TRACE_AND_STEP();
- if (cond)
+ if (cond) {
 M.x86.R_IP = target;
+    } else {
+      jmp_trace(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, " NEAR COND ");
+    }
+    DECODE_CLEAR_SEGOVR();
 END_OF_INSTR();
}
@@ -2516,9 +2522,11 @@
 count = 1;
 if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
  /* dont care whether REPE or REPNE */
-     /* move them until CX is ZERO. */
-     count = M.x86.R_CX;
+     /* move them until (E)CX is ZERO. */
+     count = (M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX;
 M.x86.R_CX = 0;
+if (M.x86.mode & SYSMODE_32BIT_REP)
+  M.x86.R_ECX = 0;
+  M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
 } while (count--) {
@@ -2526,6 +2534,8 @@
 store_data_byte_abs(M.x86.R_ES, M.x86.R_DI, val);
 M.x86.R_SI += inc;
 M.x86.R_DI += inc;
if (M.x86.intr & INTR_HALT)
break;
}
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
@@ -2559,9 +2569,11 @@
count = 1;
if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
    /* dont care whether REPE or REPNE */
-    /* move them until CX is ZERO. */
-    count = M.x86.R_CX;
+    /* move them until (E)CX is ZERO. */
+    count = (M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX;
    M.x86.R_CX = 0;
+if (M.x86.mode & SYSMODE_32BIT_REP)
+    M.x86.R_ECX = 0;
    M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
} while (count--) {
@@ -2574,6 +2586,8 @@
    M.x86.R_SI += inc;
    M.x86.R_DI += inc;
+    if (M.x86.intr & INTR_HALT)
+        break;
}
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
@@ -2598,16 +2612,21 @@
if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
    /* REPE */
-    /* move them until CX is ZERO. */
-    while (M.x86.R_CX != 0) {
+    /* move them until (E)CX is ZERO. */
+    while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
        val1 = fetch_data_byte(M.x86.R_SI);
        val2 = fetch_data_byte_abs(M.x86.R_ES, M.x86.R_DI);
        cmp_byte(val1, val2);
-        M.x86.R_CX -= 1;
+        if (M.x86.mode & SYSMODE_32BIT_REP)
+            M.x86.R_ECX -= 1;
+        else
+            M.x86.R_CX -= 1;
        M.x86.R_SI += inc;
        M.x86.R_DI += inc;
        if ( (M.x86.mode & SYSMODE_PREFIX_REPE) && (ACCESS_FLAG(F_ZF) == 0) ) break;
        if ( (M.x86.mode & SYSMODE_PREFIX_REPNE) && ACCESS_FLAG(F_ZF) ) break;
    }
+ if (M.x86.intr & INTR_HALT)
+ break;
+
M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
} else {
@@ -2644,8 +2663,8 @@
TRACE_AND_STEP();
if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
  /* REPE */
-  /* move them until CX is ZERO. */
-  while (M.x86.R_CX != 0) {
+  /* move them until (E)CX is ZERO. */
+  while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
    if (M.x86.mode & SYSMODE_PREFIX_DATA) {
      val1 = fetch_data_long(M.x86.R_SI);
      val2 = fetch_data_long_abs(M.x86.R_ES, M.x86.R_DI);
@@ -2655,11 +2674,16 @@
      val2 = fetch_data_word_abs(M.x86.R_ES, M.x86.R_DI);
      cmp_word((u16)val1, (u16)val2);
    }
-    M.x86.R_CX -= 1;
+    if (M.x86.mode & SYSMODE_32BIT_REP)
+       M.x86.R_ECX -= 1;
+    else
+       M.x86.R_CX -= 1;
M.x86.R_SI += inc;
M.x86.R_DI += inc;
if ( (M.x86.mode & SYSMODE_PREFIX_REPE) && ACCESS_FLAG(F_ZF) == 0 ) break;
if ( (M.x86.mode & SYSMODE_PREFIX_REPNE) && ACCESS_FLAG(F_ZF) ) break;
+ if (M.x86.intr & INTR_HALT)
+ break;
+
M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
} else {
@@ -2741,11 +2765,16 @@
TRACE_AND_STEP();
if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
  /* dont care whether REPE or REPNE */
-  /* move them until CX is ZERO. */
-  while (M.x86.R_CX != 0) {
+  /* move them until (E)CX is ZERO. */
+  while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
    store_data_byte_abs(M.x86.R_ES, M.x86.R_DI, M.x86.R_AL);
-    M.x86.R_CX -= 1;
+    if (M.x86.mode & SYSMODE_32BIT_REP)
+       M.x86.R_ECX -= 1;
+    else
+       M.x86.R_CX -= 1;
M.x86.R_DI += inc;
+    if (M.x86.intr & INTR_HALTED)
+        break;
+    }
M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
} else {
    count = 1;
    if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
        /* dont care whether REPE or REPNE */
        /* move them until CX is ZERO. */
        /* move them until (E)CX is ZERO. */
        count = (M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX;
        M.x86.R_CX = 0;
        if (M.x86.mode & SYSMODE_32BIT_REP)
            M.x86.R_ECX = 0;
        M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
    } else {
        count = 1;
        if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
            /* dont care whether REPE or REPNE */
            /* move them until CX is ZERO. */
            /* move them until (E)CX is ZERO. */
            count = (M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX;
            M.x86.R_CX = 0;
            if (M.x86.mode & SYSMODE_32BIT_REP)
                M.x86.R_ECX = 0;
            M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
        } else {
            count = 1;
            if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
                /* dont care whether REPE or REPNE */
                /* move them until CX is ZERO. */
                /* move them until (E)CX is ZERO. */
                while (M.x86.R_CX != 0) {
                    M.x86.R_AL = fetch_data_byte(M.x86.R_SI);
                    if (M.x86.mode & SYSMODE_32BIT_REP)
                        M.x86.R_ECX -= 1;
                    else
                        M.x86.R_CX -= 1;
                    if (M.x86.intr & INTR_HALTED)
                        break;
                    M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
                }
                M.x86.R_CX = 0;
            } else {
                count = 1;
                if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {  // Continued in next line
                    /* dont care whether REPE or REPNE */
                    /* move them until CX is ZERO. */
                    /* move them until (E)CX is ZERO. */
                    while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
                        M.x86.R_AL = fetch_data_byte(M.x86.R_SI);
                        M.x86.R_CX -= 1;
                        if (M.x86.mode & SYSMODE_32BIT_REP)
                            M.x86.R_ECX -= 1;
                        else
                            M.x86.R_CX -= 1;
                        M.x86.R_SI += inc;
                        if (M.x86.intr & INTR_HALTED)
                            break;
                    }
                    M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
                }
            }
        }
    }
}
store_data_word_abs(M.x86.R_ES, M.x86.R_DI, M.x86.R_AX);
}
M.x86.R_DI += inc;
+    if (M.x86.intr & INTR_HALTED)
+        break;
+
} DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
 inc = 1;
    if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
        /* dont care whether REPE or REPNE */
        /* move them until CX is ZERO. */
        /* move them until (E)CX is ZERO. */
        while (M.x86.R_CX != 0) {
            M.x86.R_AL = fetch_data_byte(M.x86.R_SI);
            if (M.x86.mode & SYSMODE_32BIT_REP)
                M.x86.R_ECX -= 1;
            else
                M.x86.R_CX -= 1;
            if (M.x86.intr & INTR_HALTED)
                break;
            M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
        }
        M.x86.R_CX = 0;
    } else {
        count = 1;
        if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
            /* dont care whether REPE or REPNE */
            /* move them until CX is ZERO. */
            /* move them until (E)CX is ZERO. */
            while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
                M.x86.R_AL = fetch_data_byte(M.x86.R_SI);
                M.x86.R_CX -= 1;
                if (M.x86.mode & SYSMODE_32BIT_REP)
                    M.x86.R_ECX -= 1;
                else
                    M.x86.R_CX -= 1;
                M.x86.R_SI += inc;
                if (M.x86.intr & INTR_HALTED)
                    break;
            }
            M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
        }
    }
store_data_word_abs(M.x86.R_ES, M.x86.R_DI, M.x86.R_AX);
}
} else {
    count = 1;
    if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
        /* don't care whether REPE or REPNE */
        /* move them until CX is ZERO. */
        count = M.x86.R_CX;
        /* move them until (E)CX is ZERO. */
        count = (M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX;
        M.x86.R_CX = 0;
    }
    while (count--) {
        M.x86.R_AX = fetch_data_word(M.x86.R_SI);
        M.x86.R_SI += inc;
        if (M.x86.intr & INTR_HALTED)
            break;
    }
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
} else if (M.x86.mode & SYSMODE_32BIT_REP)
    M.x86.R_ECX = 0;
M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
inc = 1;
if (M.x86.mode & SYSMODE_PREFIX_REPE) {
    /* REPE */
    /* move them until CX is ZERO. */
    while (M.x86.R_CX != 0) {
        /* move them until (E)CX is ZERO. */
        while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
            val2 = fetch_data_byte_abs(M.x86.R_ES, M.x86.R_DI);
            cmp_byte(M.x86.R_AL, val2);
            M.x86.R_CX -= 1;
        }
        if (ACCESS_FLAG(F_ZF) == 0)
            break;
    }
    M.x86.mode &= ~(SYSMODE_PREFIX_REPE);
} else if (M.x86.mode & SYSMODE_PREFIX_REPNE) {
    /* REPNE */
- /* move them until CX is ZERO. */
- while (M.x86.R_CX != 0) {
+ /* move them until (E)CX is ZERO. */
+ while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R(ECX) : M.x86.R_CX) != 0) {
    val2 = fetch_data_byte_abs(M.x86.R_ES, M.x86.R_DI);
    cmp_byte(M.x86.R_AL, val2);
    M.x86.R_CX -= 1;
+        if (M.x86.mode & SYSMODE_32BIT_REP)
+            M.x86.R_ECX -= 1;
+        else
+            M.x86.R_CX -= 1;
        M.x86.R_DI += inc;
        if (ACCESS_FLAG(F_ZF))
            if (M.x86.intr & INTR_HALTED)
                break;          /* zero flag set means equal */
+            break;
    }
    M.x86.mode &= ~SYSMODE_PREFIX_REPNE;
} else {
@@ -2951,8 +3003,8 @@
    TRACE_AND_STEP();
    if (M.x86.mode & SYSMODE_PREFIX_REPE) {
        /* REPE */
-            /* move them until CX is ZERO. */
-            while (M.x86.R_CX != 0) {
+            /* move them until (E)CX is ZERO. */
+        while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R(ECX) : M.x86.R_CX) != 0) {
            if (M.x86.mode & SYSMODE_PREFIX_DATA) {
                val = fetch_data_long_abs(M.x86.R_ES, M.x86.R_DI);
                cmp_long(M.x86.R_EAX, val);
                val = fetch_data_word_abs(M.x86.R_ES, M.x86.R_DI);
                cmp_word(M.x86.R_AX, (u16)val);
            }
        M.x86.R_CX -= 1;
+            if (M.x86.mode & SYSMODE_32BIT_REP)
+                M.x86.R_ECX -= 1;
+            else
+                M.x86.R_CX -= 1;
            M.x86.R_DI += inc;
            if (ACCESS_FLAG(F_ZF) == 0)
                break;
+            if (M.x86.intr & INTR_HALTED)
                break;
        }
        M.x86.mode &= ~SYSMODE_PREFIX_REPE;
    } else if (M.x86.mode & SYSMODE_PREFIX_REPNE) {
-/* REPNE */
- /* move them until CX is ZERO. */
- while (M.x86.R_CX != 0) {
+ /* move them until (E)CX is ZERO. */
+ while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
    if (M.x86.mode & SYSMODE_PREFIX_DATA) {
        val = fetch_data_long_abs(M.x86.R_ES, M.x86.R_DI);
        cmp_long(M.x86.R_EAX, val);
    } else {
        val = fetch_data_word_abs(M.x86.R_ES, M.x86.R_DI);
        cmp_word(M.x86.R_AX, (u16)val);
    }
    - M.x86.R_CX -= 1;
    + if (M.x86.mode & SYSMODE_32BIT_REP)
    +     M.x86.R_ECX -= 1;
    else
    +     M.x86.R_CX -= 1;
    M.x86.R_DI += inc;
    if (ACCESS_FLAG(F_ZF))
        break;  /* zero flag set means equal */
    + if (M.x86.intr & INTR_HALTED)
    +     break;
    }
    M.x86.mode &= ~SYSMODE_PREFIX_REPNE;
    } else {
    @@ -3238,9 +3300,9 @@
        imm = fetch_word_imm();
        DECODE_PRINTF2("%x", imm);
        -RETURN_TRACE("RET",M.x86.saved_cs,M.x86.saved_ip);
        TRACE_AND_STEP();
        M.x86.R_IP = pop_word();
        +RETURN_TRACE(M.x86.saved_cs,M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, "NEAR");
        M.x86.R_SP += imm;
        DECODE_CLEAR_SEGOVR();
        END_OF_INSTR();
    @@ -3254,9 +3316,9 @@
    } {
        START_OF_INSTR();
        DECODE_PRINTF("RETN");
        -RETURN_TRACE("RET",M.x86.saved_cs,M.x86.saved_ip);
        TRACE_AND_STEP();
        M.x86.R_IP = pop_word();
        +RETURN_TRACE(M.x86.saved_cs,M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, "NEAR");
        DECODE_CLEAR_SEGOVR();
        END_OF_INSTR();
    }
    @@ -3471,10 +3533,10 @@
        DECODE_PRINTF("RETF");
imm = fetch_word_imm();
DECODE_PRINTF2("%x\n", imm);
-RETURN_TRACE("RETF", M.x86.saved_cs, M.x86.saved_ip);
TRACE_AND_STEP();
    M.x86.R_IP = pop_word();
    M.x86.R_CS = pop_word();
+RETURN_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, "FAR");
    M.x86.R_SP += imm;
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
@@ -3488,10 +3550,10 @@
{
    START_OF_INSTR();
    DECODE_PRINTF("RETFn");
-RETURN_TRACE("RETF", M.x86.saved_cs, M.x86.saved_ip);
    TRACE_AND_STEP();
    M.x86.R_IP = pop_word();
    M.x86.R_CS = pop_word();
+RETURN_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, "FAR");
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
@@ -4020,8 +4082,11 @@
ip += (s16) M.x86.R_IP;
    DECODE_PRINTF2("%04x\n", ip);
    TRACE_AND_STEP();
-    M.x86.R_CX -= 1;
-    if (M.x86.R_CX != 0 && !ACCESS_FLAG(F_ZF)) /* CX != 0 and !ZF */
+    if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+        M.x86.R_ECX -= 1;
+    else
+        M.x86.R_CX -= 1;
+    if (((M.x86.mode & SYSMODE_PREFIX_ADDR) ? M.x86.R_ECX : M.x86.R_CX) != 0 &&
!ACCESS_FLAG(F_ZF)) /* (E)CX != 0 and !ZF */
        M.x86.R_IP = ip;
        DECODE_CLEAR_SEGOVR();
        END_OF_INSTR();
@@ -4041,8 +4106,11 @@
ip += (s16) M.x86.R_IP;
    DECODE_PRINTF2("%04x\n", ip);
    TRACE_AND_STEP();
-    M.x86.R_CX -= 1;
-    if (M.x86.R_CX != 0 && ACCESS_FLAG(F_ZF)) /* CX != 0 and ZF */
+    if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+        M.x86.R_ECX -= 1;
+    else
+        M.x86.R_CX -= 1;
+    if (((M.x86.mode & SYSMODE_PREFIX_ADDR) ? M.x86.R_ECX : M.x86.R_CX) != 0 &&
ACCESS_FLAG(F_ZF) /* (E)CX != 0 and ZF */
    M.x86.R_IP = ip;
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
@@ -4062,8 +4130,11 @@
ip += (s16) M.x86.R_IP;
    DECODE_PRINTF2("%04x\n", ip);
    TRACE_AND_STEP();
-    M.x86.R_CX -= 1;
-    if (M.x86.R_CX != 0)
+    if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+        M.x86.R_ECX -= 1;
+    else
+        M.x86.R_CX -= 1;
+    if (((M.x86.mode & SYSMODE_PREFIX_ADDR) ? M.x86.R_ECX : M.x86.R_CX) != 0) /* (E)CX != 0 */
        M.x86.R_IP = ip;
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
@@ -4085,8 +4156,10 @@
target = (u16)(M.x86.R_IP + offset);
    DECODE_PRINTF2("%x\n", target);
    TRACE_AND_STEP();
-    if (M.x86.R_CX == 0)
+    if (M.x86.R_CX == 0) {
+        M.x86.R_IP = target;
+        JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, " CXZ ");
+    }
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
@@ -4213,6 +4286,7 @@
ip = (s16)fetch_word_imm();
    ip += (s16)M.x86.R_IP;
    DECODE_PRINTF2("%04x\n", ip);
+    JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, " NEAR ");
    TRACE_AND_STEP();
    M.x86.R_IP = (u16)ip;
    DECODE_CLEAR_SEGOVR();
@@ -4233,6 +4307,7 @@
cs = fetch_word_imm();
    DECODE_PRINTF2("%04x:\n", cs);
    DECODE_PRINTF2("%04x\n", ip);
+    JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, cs, ip, " FAR ");
    TRACE_AND_STEP();
    M.x86.R_IP = ip;
    M.x86.R_CS = cs;
@@ -4254,6 +4329,7 @@
offset = (s8)fetch_byte_imm();
target = (u16)(M.x86.R_IP + offset);
DECODE_PRINTF2("%x\n", target);
+    JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, target, " BYTE ");
TRACE_AND_STEP();
    M.x86.R_IP = target;
DECODE_CLEAR_SEGOVR();
@@ -4357,6 +4433,8 @@
    DECODE_PRINTF("REPNE\n");
    TRACE_AND_STEP();
    if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+            M.x86.mode |= SYSMODE_32BIT_REP;
        DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
}  
@@ -4371,6 +4449,8 @@
    DECODE_PRINTF("REPE\n");
    TRACE_AND_STEP();
    if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+            M.x86.mode |= SYSMODE_32BIT_REP;
        DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
}   
@@ -5013,12 +5093,14 @@
        break;
    case 4: /* jmp word ptr ... */
        destval = fetch_data_word(destoffset);
        JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, destval, " WORD ");
    TRACE_AND_STEP();
        M.x86.R_IP = destval;
        break;
    case 5: /* jmp far ptr ... */
        destval = fetch_data_word(destoffset);
        destval2 = fetch_data_word(destoffset + 2);
        JDBC_TRACE(M.x86.saved_cs, M.x86.saved_ip, destval2, destval, " FAR ");
    TRACE_AND_STEP();
        M.x86.R_IP = destval;
        M.x86.R_CS = destval2;
Index: prim_ops.c
===================================================================
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/prim_ops.c,v
retrieving revision 1.1
retrieving revision 1.3
diff -u -u -r1.1 -r1.3
--- prim_ops.c 7 Sep 2007 10:01:21 -0000
+++ prim_ops.c 16 Jan 2008 14:18:15 -0000
@@ -1921,7 +1921,7 @@
void imul_long_direct(u32 *res_lo, u32* res_hi,u32 d, u32 s)
{
    #ifdef  __HAS_LONG_LONG__
    -    s64 res = (s64)d * (s64)s;
    +    s64 res = (s64)(s32)d * (s64)(s32)s;
    *
    *res_lo = (u32)res;
    *res_hi = (u32)(res >> 32);
    @ @ -2013,7 +2013,7 @@
void mul_long(u32 s)
{
    #ifdef  __HAS_LONG_LONG__
    -    u64 res = (u32)M.x86.R_EAX * (u32)s;
    +    u64 res = (u64)M.x86.R_EAX * s;
    
    M.x86.R_EAX = (u32)res;
    M.x86.R_EDX = (u32)(res >> 32);
    @ @ -2312,16 +2312,15 @@
    }
if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
    /* dont care whether REPE or REPNE */
    -    /* in until CX is ZERO. */
    -    u32 count = ((M.x86.mode & SYSMODE_PREFIX_DATA) ?
    +    /* in until (E)CX is ZERO. */
    +    u32 count = ((M.x86.mode & SYSMODE_32BIT_REP) ?
        M.x86.R_ECX : M.x86.R_CX);
    
    while (count--) {
        single_in(size);
        M.x86.R_DI += inc;
    }
    M.x86.R_CX = 0;
    -    if (M.x86.mode & SYSMODE_PREFIX_DATA) {
    +    if (M.x86.mode & SYSMODE_32BIT_REP) {
        M.x86.R_ECX = 0;
    }
    M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
    @@ -2355,15 +2354,15 @@
    }
if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
    /* dont care whether REPE or REPNE */
    -    /* out until CX is ZERO. */
    -    u32 count = ((M.x86.mode & SYSMODE_PREFIX_DATA) ?
    +    /* out until (E)CX is ZERO. */
    +    u32 count = ((M.x86.mode & SYSMODE_32BIT_REP) ?
        M.x86.R_ECX : M.x86.R_CX);
    while (count--) {
        single_out(size);
M.x86.R_SI += inc;
}
M.x86.R_CX = 0;
- if (M.x86.mode & SYSMODE_PREFIX_DATA) {
+ if (M.x86.mode & SYSMODE_32BIT_REP) {

M.x86.R_ECX = 0;
}
M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
}
DB(if (DEBUG_IO_TRACE()))
printk("inl %#04x \n", addr);
-return inl(addr);
+return 0;
}

/***************************************************************************/
@@ -264,7 +259,6 @@
{
 DB(if (DEBUG_IO_TRACE()))
 printk("outb %#02x -> %#04x \n", val, addr);
-outb(val, addr);
 return;
}
@@ -279,7 +273,6 @@
{
 DB(if (DEBUG_IO_TRACE()))
 printk("outw %#04x -> %#04x \n", val, addr);
-outw(val, addr);
 return;
}
@@ -295,7 +288,6 @@
 DB(if (DEBUG_IO_TRACE()))
 printk("outl %#08x -> %#04x \n", val, addr);
-outl(val, addr);
 return;
}
@@ -405,6 +397,6 @@
void X86EMU_setMemBase(void *base, size_t size)
{
 -M.mem_base = (int) base;
+M.mem_base = (unsigned long) base;
 M.mem_size = size;
}
Index: include/x86emu/debug.h
===================================================================
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/include/x86emu/debug.h,v
retrieving revision 1.1
retrieving revision 1.4
diff -u -u -r1.1 -r1.4
--- include/x86emu/debug.h7 Sep 2007 10:01:21 -0000
+++ include/x86emu/debug.h20 Mar 2008 15:25:27 -0000
@@ -40,8 +40,6 @@
#ifndef __X86EMU_DEBUG_H
#define __X86EMU_DEBUG_H
-//#define DEBUG 0
-#undef DEBUG

/*---------------------- Macros and type definitions ----------------------*/
/* checks to be enabled for "runtime" */
@@ -78,6 +76,8 @@
#define DEBUG_SYSINT()        (M.x86.debug & DEBUG_SYSINT_F)
#define DEBUG_TRACECALL()     (M.x86.debug & DEBUG_TRACECALL_F)
#define DEBUG_TRACECALLREGS() (M.x86.debug & DEBUG_TRACECALL_REGS_F)
+#define DEBUG_TRACEJMP()       (M.x86.debug & DEBUG_TRACEJMP_F)
+#define DEBUG_TRACEJMPREGS()   (M.x86.debug & DEBUG_TRACEJMP_REGS_F)
#define DEBUG_SYS()           (M.x86.debug & DEBUG_SYS_F)
#define DEBUG_MEM_TRACE()     (M.x86.debug & DEBUG_MEM_TRACE_F)
#define DEBUG_IO_TRACE()      (M.x86.debug & DEBUG_IO_TRACE_F)
@@ -96,6 +96,8 @@
#define DEBUG_SYSINT()        0
#define DEBUG_TRACECALL()     0
#define DEBUG_TRACECALLREGS() 0
+#define DEBUG_TRACEJMP()       0
+#define DEBUG_TRACEJMPREGS()   0
#define DEBUG_SYS()           0
#define DEBUG_MEM_TRACE()     0
#define DEBUG_IO_TRACE()      0
@@ -169,14 +171,20 @@
x86emu_dump_regs();                                     
    if (DEBUG_TRACECALL())                                     		printk("%04x:%04x: CALL %s%04x:%04x\n", u , v, s, w, x);
-# define RETURN_TRACE(n,u,v)                                    
+# define RETURN_TRACE(u,v,w,x,s)                                    
    if (DEBUG_TRACECALLREGS())									
    x86emu_dump_regs();                                     
    if (DEBUG_TRACECALL())                                     
-    printk("%04x:%04x: %s\n",u,v,n);                           
+    printk("%04x:%04x: RET %s %04x:%04x\n",u,v,s,w,x);     
+# define JMP_TRACE(u,v,w,x,s)                                 
+   if (DEBUG_TRACEJMPREGS()) 
+      x86emu_dump_regs(); 
+   if (DEBUG_TRACEJMP()) 
+     printk("%04x:%04x: JMP %s%04x:%04x\n", u , v, s, w, x);
    #else
    # define CALL_TRACE(u,v,w,x,s)
-    # define RETURN_TRACE(n,u,v)
+    # define RETURN_TRACE(u,v,w,x,s)
+    # define JMP_TRACE(u,v,w,x,s)
+#endif
#ifdef DEBUG
Index: include/x86emu/regs.h
===================================================================
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/include/x86emu/regs.h,v
retrieving revision 1.1
retrieving revision 1.4
diff -u -u -r1.1 -r1.4
--- include/x86emu/regs.h 7 Sep 2007 10:01:21 -0000 1.1
+++ include/x86emu/regs.h 15 Jan 2008 13:46:40 -0000 1.4
@@ -231,6 +231,9 @@
#define SYSMODE_PREFIX_REPNE 0x00000100
#define SYSMODE_PREFIX_DATA 0x00000200
#define SYSMODE_PREFIX_ADDR 0x00000400
+// phueper: for REP(E|NE) Instructions, we need to decide whether it should be using
+// the 32bit ECX register as or the 16bit CX register as count register
+#define SYSMODE_32BIT_REP 0x00000800
#define SYSMODE_INTR_PENDING 0x10000000
#define SYSMODE_EXTRN_INTR 0x20000000
#define SYSMODE_HALTED 0x40000000
@@ -250,7 +253,8 @@
SYSMODE_SEGOVR_GS      | \ 
SYSMODE_SEGOVR_SS      | \ 
SYSMODE_PREFIX_DATA    | \ 
- SYSMODE_PREFIX_ADDR)  
+ SYSMODE_PREFIX_ADDR    | \ 
+ SYSMODE_32BIT_REP)    
#define INTR_SYNCH 0x1
#define INTR_ASYNCH 0x2
@@ -274,9 +278,9 @@
*/
    u32 mode;
    volatile int intr; /* mask of pending interrupts */
-int debug;
+ volatile int debug;
#endif DEBUG
-int check;
+ int check;
  u16 saved_ip;
  u16 saved_cs;
  int enc_pos;
Index: include/x86emu/x86emu.h
===================================================================
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/include/x86emu/x86emu.h,v
retrieving revision 1.1
retrieving revision 1.3
diff -u -u -r1.1 -r1.3
--- include/x86emu/x86emu.h 7 Sep 2007 10:01:21 -00001.1
+++ include/x86emu/x86emu.h 19 Oct 2007 08:42:15 -00001.3
@@ -47,6 +47,7 @@
#include <console.h>
#define printk(x...) printk(BIOS_DEBUG, x)
#else
+#include <stdio.h>
#define printk printf
#endif

@@ -189,6 +181,8 @@
#define DEBUG_TRACECALL_REGS_F 0x004000
#define DEBUG_DECODE_NOPRINT_F 0x008000
#define DEBUG_SAVE_IP_CS_F 0x010000
+#define DEBUG_TRACEJMP_F 0x020000
+#define DEBUG_TRACEJMP_REGS_F 0x040000
#define DEBUG_SYS_F (DEBUG_SVC_F|DEBUG_FS_F|DEBUG_PROC_F)

void X86EMU_trace_regs(void);
@@ -200,5 +194,4 @@
#endif __cplusplus
} /* End of “C” linkage for C++ */
#endif
-
#endif /* __X86EMU_X86EMU_H */
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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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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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However, linking a "work that uses the Library" with the Library
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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
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functions (ten lines or less in length), then the use of the object
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Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

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If 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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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api
Oracle OpenJDK

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* java.sun.security.ssl

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org.ow2.asm:asm-commons
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org.apache.tomcat:tomcat-jasper
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org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
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jar/springfox/documentation/swagger/web/UiConfiguration.java
*/opt/cola/permits/1177939685_1625570697.96/0/springfox-swagger-common-2-9-2-sources-3-
jar/springfox/documentation/swagger/common/XForwardPrefixPathAdjuster.java
*/opt/cola/permits/1177939685_1625570697.96/0/springfox-swagger-common-2-9-2-sources-3-
jar/springfox/documentation/swagger/web/SecurityConfiguration.java
*/opt/cola/permits/1177939685_1625570697.96/0/springfox-swagger-common-2-9-2-sources-3-
jar/springfox/documentation/swagger/web/SwaggerResource.java
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jar/springfox/documentation/swagger/common/HostNameProvider.java
*/opt/cola/permits/1177939685_1625570697.96/0/springfox-swagger-common-2-9-2-sources-3-
jar/springfox/documentation/swagger/web/ApiResourceController.java
*/opt/cola/permits/1177939685_1625570697.96/0/springfox-swagger-common-2-9-2-sources-3-
jar/springfox/documentation/swagger/readers/operation/SwaggerOperationResponseClassReader.java
*/opt/cola/permits/1177939685_1625570697.96/0/springfox-swagger-common-2-9-2-sources-3-
jar/springfox/documentation/swagger/readers/operation/SwaggerResponseMessageReader.java
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* /opt/cola/permits/1177939685_1625570697.96/0/springfox-swagger-common-2-9-2-sources-3-jar/springfox/documentation/swagger/readers/operation/OperationHiddenReader.java
* /opt/cola/permits/1177939685_1625570697.96/0/springfox-swagger-common-2-9-2-sources-3-jar/springfox/documentation/swagger/readers/operation/SwaggerOperationTagsReader.java
* /opt/cola/permits/1177939685_1625570697.96/0/springfox-swagger-common-2-9-2-sources-3-jar/springfox/documentation/swagger/readers/operation/Annotations.java
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* /opt/cola/permits/1177939685_1625570697.96/0/springfox-swagger-common-2-9-2-sources-3-jar/springfox/documentation/swagger/readers/operation/OperationNicknameIntoUniqueIdReader.java

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  jar/springfox/documentation/swagger/common/SpringVersionCapability.java
* /opt/cola/permits/1177939685_1625570697.96/0/springfox-swagger-common-2-9-2-sources-3-
  jar/springfox/documentation/swagger/readers/parameter/Examples.java

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  jar/springfox/documentation/swagger/readers/operation/OperationImplicitParameterReader.java
* /opt/cola/permits/1177939685_1625570697.96/0/springfox-swagger-common-2-9-2-sources-3-
  jar/springfox/documentation/swagger/readers/parameter/SwaggerExpandedParameterBuilder.java
* /opt/cola/permits/1177939685_1625570697.96/0/springfox-swagger-common-2-9-2-sources-3-
  jar/springfox/documentation/swagger/readers/parameter/ApiParamParameterBuilder.java
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1.1668 libunwind 1.5.0

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1.1669 elasticsearch-cli 6.8.3

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1.1680 nuid 1.0.1

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1.1681 spring-web 5.1.9.RELEASE

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# This file was retrieved from
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# MIME type (lowercased)Extensions
#==========================================================================
# application/1d-interleaved-parityfec
# application/3gpdash-qoe-report+xml
# application/cnrp+xml
# application/coap-group+json
# application/commonground
# application/conference-info+xml
# application/cpl+xml
# application/csrattrs
# application/csta+xml
# application/cstadata+xml
# application/csvm+json
application/cu-seeme
cu
# application/cybercash
# application/dash+xml
# application/dashdelta
application/davmount+xml
davmount
# application/dca-rft
# application/dcd
# application/dec-dx
# application/dialog-info+xml
# application/dicom
# application/dii
# application/dit
# application/dns
application/docbook+xml
dbk
# application/dskpp+xml
application/dssc+xml	xdssc
# application/dvcs
application/emma+xml	emma
# application/emotionml+xml
# application/encaprtp
# application/epp+xml
application/epub+zip	epub
# application/eshop
# application/example
application/exi
# application/fastinfoset
# application/fastsoap
# application/fdt+xml
# application/fits
# application/font-sfnt
application/font-tdpfr
application/font-woff
# application/framework-attributes+xml
# application/geo+json
application/gml+xml
application/gpx+xml
application/gxf
# application/gzip
# application/h224
# application/held+xml
# application/http
application/hyperstudio
# application/ibe-key-request+xml
# application/ibe-pkg-reply+xml
# application/ibe-pp-data
# application/iges
# application/im-iscomposing+xml
# application/index
# application/index.cmd
# application/index.obj
# application/index.response
# application/index.vnd
application/inkml+xml
# application/iotp
application/ipfix
# application/ipp
# application/isup
# application/its+xml
application/java-archive
application/java-serialized-object
application/java-vm
application/javascript
# application/jose
# application/jose+json
# application/jrd+json
application/json
# application/json-patch+json
# application/json-seq
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# application/jwk+json
# application/jwk-set+json
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# application/kpml-response+xml
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# application/lgr+xml
# application/link-format
# application/load-control+xml
application/lost+xml
# application/lostsync+xml
# application/lxf
application/mac-binhex40
application/mac-compactpro
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# application/moss-signature
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# application/mosskey-request
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# application/mpeg4-generic
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# application/mpeg4-iod-xmt
# application/mrb-consumer+xml
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# application/wordperfect5.1
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application/x-ace-compressedace
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application/x-authorware-mapam
application/x-authorware-segaas
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application/x-font-bdf
# application/x-font-dos
# application/x-font-framemaker
application/x-font-ghostscript.gsf
# application/x-font-libgrx
application/x-font-linux-psf
application/x-font-otf
application/x-font-pcf
# audio/example
# audio/fwdred
# audio/g711-0
# audio/g719
# audio/g722
# audio/g7221
# audio/g723
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# audio/g726-24
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# audio/t38
# audio/telephone-event
# audio/tone
# audio/uemclip
# audio/ulpfec
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# 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
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# audio/vnd.dolby.pl2
# audio/vnd.dolby.pl2x
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audio/vnd.dtsdts
audio/vnd.dts.hddtshd
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# multipart/report
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# text/csv-schema
# text/directory
# text/dns
# text/ecmascript
# text/encaprtip
# text/enriched
# text/example
# text/fwdred
# text/grammar-ref-list
text/htmlhtml htm
# text/javascript
# text/jcr-cnd
# text/markdown
# text/mizar
text/n3n3
# text/parameters
# text/parityfec
text/plain text conf def list log in
# text/provenance-notation
# text/prs.fallenstein.rst
text/prs.lines.tagdsc
# video/raptorfec
# video/raw
# video/rtp-enc-aescm128
# video/rtploopback
# video/rtx
# video/smpate292m
# video/ulpfec
# video/vc1
# video/vnd.cctv
video/vnd.dece.hdv
video/vnd.dece.mobileuv
# video/vnd.dece.mp4
video/vnd.dece.pduv
video/vnd.dece.sduv
# video/vnd.dece.videouvv
# video/vnd.directv.mpeg
# video/vnd.directv.mpeg-pts
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video/vnd.dvb.file
# video/vnd.fvtfvt
# video/vnd.hns.video
# video/vnd.iptvforum.1dparityfec-1010
# video/vnd.iptvforum.1dparityfec-2005
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# video/vnd.iptvforum.ttsave
# video/vnd.iptvforum.ttsmpeg2
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video/vnd.vivoviv
# video/vp8
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video/x-flv
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video/x-matroskamkv mk3d mks
video/x-mngmng
video/x-ms-asf asx
video/x-ms-vob vob
video/x-ms-wmwm
video/x-ms-wmvwmv
video/x-ms-wmxwmx
video/x-ms-wvxwvx
video/x-msvideoavi
video/x-sgi-movie movie
video/x-smv smv
x-conference/x-cooltalkice

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* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources-jar/org/springframework/http/mime.types
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 */

/**
 * Return the web session for the current request. Always guaranteed to
 * return an instance either matching to the session id requested by the
 * client, or with a new session id either because the client did not
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*/opt/ws_local/PERMITS_SQL/1069262473_1594595051.620/spring-web-5-1-9-release-sources-
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jar/org/springframework/web/context/support/SpringBeanAutowiringSupport.java
*/opt/ws_local/PERMITS_SQL/1069262473_1594595051.620/spring-web-5-1-9-release-sources-
jar/org/springframework/web/util/IntrospectorCleanupListener.java
*/opt/ws_local/PERMITS_SQL/1069262473_1594595051.620/spring-web-5-1-9-release-sources-
jar/org/springframework/web/jsf/DelegatingPhaseListenerMulticaster.java

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not-a-legal-formal-parameter-tuple.scala:2: error: not a legal formal parameter.
Note: Tuples cannot be directly destructured in method or function parameters.

Either create a single parameter accepting the Tuple2,
or consider a pattern matching anonymous function: `case (a, b) => ...`
val x: ((Int, Int) => Int) = (((a, b)) => a)
^  

not-a-legal-formal-parameter-tuple.scala:3: error: not a legal formal parameter.
Note: Tuples cannot be directly destructured in method or function parameters.

Either create a single parameter accepting the Tuple2,
or consider a pattern matching anonymous function: `case (param1, param2) => ...`
val y: ((Int, Int) => Int) = (((a, !!)) => a)
^  

not-a-legal-formal-parameter-tuple.scala:4: error: not a legal formal parameter.
Note: Tuples cannot be directly destructured in method or function parameters.

Either create a single parameter accepting the Tuple3,
or consider a pattern matching anonymous function: `case (param1, ..., param3) => ...`
val z: ((Int, Int) => Int) = (((a, NotAPatternVariableName, c)) => a)
^  

three errors found
Scala includes the Tools Tooltip library:

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square
root function must still compute square roots.)

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If 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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When a "work that uses the Library" uses material from a header file
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derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
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Otherwise, if the work is a derivative of the Library, you may
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## Special Recognition ##

One of the key reasons we got delayed on the CentOS-6 release was lack of suitable build resources, especially when we had to repeatedly build large chunks of code. Norwood S came forward and worked with me to setup a large build machine, then tune the build process and help improve the overall build, test and validate process we were using. This build machine he donated to the project was about 5 times more capable than the entire buildsystem we had. And he did this out of his own pocket, from his own time, and has since upgraded the machine as well. It's now a 128GB, 48 core machine, with 4 SSD's and 4 sata disks : but the key metric is that it can build from source, the entire CentOS-7 distro in under 22 hrs.

Having this capability was key in our ability to build, test and deliver CentOS-7 as rapidly as we have been able to.

We'd like to dedicate the CentOS-7 Release to Mr Norwood S, of Phoenix, AZ, USA for his continued support for the project.

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The Red Hat developers, without whom CentOS would look very different

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  jar/io/netty/handler/codec/CharSequenceValueConverter.java
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 */
* Utility class for {@link ByteBuf} that encodes and decodes to and from
* <a href="http://en.wikipedia.org/wiki/Base64">Base64</a> notation.
* 
* The encoding and decoding algorithm in this class has been derived from
 */

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* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-jar/io/netty/handler/codec/serialization/ClassResolver.java
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* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-jar/io/netty/handler/codec/serialization/ClassResolver.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-jar/io/netty/handler/codec/string/StringDecoder.java

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* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2.jar/io/netty/handler/codec/ByteToMessageDecoder.java


* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2.jar/io/netty/handler/codec/UnsupportedMessageTypeException.java


* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2.jar/io/netty/handler/codec/DelimiterBasedFrameDecoder.java

* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2.jar/io/netty/handler/codec/PrematureChannelClosureException.java

* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2.jar/io/netty/handler/codec/LineBasedFrameDecoder.java

* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2.jar/io/netty/handler/codec/serialization/ClassLoaderClassResolver.java


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*/
/**
* A decoder that splits the received { @link ByteBuf}s dynamically by the
* value of the length field in the message. It is particularly useful when you
* decode a binary message which has an integer header field that represents the
* length of the message body or the whole message.
* *
* [{ @link LengthFieldBasedFrameDecoder} has many configuration parameters so
* that it can decode any message with a length field, which is often seen in
* proprietary client-server protocols. Here are some example that will give
* you the basic idea on which option does what.
* *
* <h3>2 bytes length field at offset 0, do not strip header</h3>
* *
* The value of the length field in this example is <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.
* <pre>
* <b>lengthFieldOffset</b>   = <b>0</b>
* <b>lengthFieldLength</b>   = <b>2</b>
* 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>2 bytes length field at offset 0, strip header</h3>
* *
* Because we can get the length of the content by calling
* [{ @link ByteBuf#readableBytes()}, you might want to strip the length
* field by specifying <tt>initialBytesToStrip</tt>. In this example, we
* specified <tt>2</tt>, that is same with the length of the length field, to
* strip the first two bytes.
  * `<pre>
  * lengthFieldOffset   = 0
  * lengthFieldLength   = 2
  * lengthAdjustment    = 0
  * `<b>initialBytesToStrip</b> = `<b>2</b>` (= the length of the Length field)
  *
  * BEFORE DECODE (14 bytes) AFTER DECODE (12 bytes)
  * +--------+----------------+      +----------------+
  * | Length | Actual Content |----->| Actual Content |
  * | 0x000C | "HELLO, WORLD" |      | "HELLO, WORLD" |
  * +--------+----------------+      +----------------+
  * </pre>
  *
  * `<h3>`2 bytes length field at offset 0, do not strip header, the length field
  * represents the length of the whole message</h3>
  *
  * In most cases, the length field represents the length of the message body
  * only, as shown in the previous examples. However, in some protocols, the
  * length field represents the length of the whole message, including the
  * message header. In such a case, we specify a non-zero
  * `<tt>lengthAdjustment</tt>`. Because the length value in this example message
  * is always greater than the body length by `<tt>2</tt>`, we specify `<tt>-2</tt>`
  * as `<tt>lengthAdjustment</tt>` for compensation.
  * `<pre>
  * lengthFieldOffset   = 0
  * lengthFieldLength   = 2
  * `<b>lengthAdjustment</b> = `<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" |
  * +--------+----------------+      +--------+----------------+
  * </pre>
  *
  * `<h3>`3 bytes length field at the end of 5 bytes header, do not strip header</h3>
  *
  * 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.
  * `<pre>
  * `<b>lengthFieldOffset</b> = `<b>2</b>` (= the length of Header 1)
  * `<b>lengthFieldLength</b> = `<b>3</b>`
  * lengthAdjustment    = 0
  * initialBytesToStrip = 0
  * </pre>
  *
  * Before decode (14 bytes) After decode (14 bytes)
  * +--------+----------------+      +--------+----------------+
  * | Length | Actual Content |----->| Length | Actual Content |
  * | 0x000E | "HELLO, WORLD" |      | 0x000E | "HELLO, WORLD" |
  * +--------+----------------+      +--------+----------------+
  * </pre>
  *
  * `<h3>`4 bytes length field at the end of 2 bytes header, do not strip header</h3>
  *
  * 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.
  * `<pre>
  * `<b>lengthFieldOffset</b> = `<b>2</b>` (= the length of Header 1)
  * `<b>lengthFieldLength</b> = `<b>3</b>`
  * lengthAdjustment    = 0
  * initialBytesToStrip = 0
  *
  * Before decode (14 bytes) After decode (14 bytes)
  * +--------+----------------+      +--------+----------------+
  * | Length | Actual Content |----->| Length | Actual Content |
  * | 0x000E | "HELLO, WORLD" |      | 0x000E | "HELLO, WORLD" |
  * +--------+----------------+      +--------+----------------+
  * </pre>
  *
  * `<h3>`5 bytes length field at the end of 2 bytes header, do not strip header</h3>
  *
  * 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.
  * `<pre>
  * `<b>lengthFieldOffset</b> = `<b>2</b>` (= the length of Header 1)
  * `<b>lengthFieldLength</b> = `<b>3</b>`
  * lengthAdjustment    = 0
  * initialBytesToStrip = 0
  *
  * Before decode (14 bytes) After decode (14 bytes)
  * +--------+----------------+      +--------+----------------+
  * | Length | Actual Content |----->| Length | Actual Content |
  * | 0x000E | "HELLO, WORLD" |      | 0x000E | "HELLO, WORLD" |
  * +--------+----------------+      +--------+----------------+
* BEFORE DECODE (17 bytes)          AFTER DECODE (17 bytes)
* +-----------------+-----------------+
* | Header 1 | Length | Actual Content |
* +-----------------+-----------------+
* | 0xCAFE | 0x00000C | "HELLO, WORLD" |
* +-----------------+-----------------+
* </pre>

* ch3>3 bytes length field at the beginning of 5 bytes header, do not strip header</h3>

* This is an advanced example that shows the case where there is an extra
* header between the length field and the message body. You have to specify a
* positive <tt>lengthAdjustment</tt> so that the decoder counts the extra
* header into the frame length calculation.
* <pre>
* lengthFieldOffset   = 0
* lengthFieldLength   = 3
* <b>lengthAdjustment</b>    = <b>2</b> (= the length of Header 1)
* initialBytesToStrip = 0
*
* BEFORE DECODE (17 bytes)          AFTER DECODE (17 bytes)
* +-----------------+-----------------+
* |  Length | Header 1 | Actual Content |
* +-----------------+-----------------+
* | 0x00000C | 0xCAFE | "HELLO, WORLD" |
* +-----------------+-----------------+
* </pre>

* ch3>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 <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)
* 
* BEFORE DECODE (16 bytes)          AFTER DECODE (13 bytes)
* +-----------------+-----------------+
* | HDR1 | Length | HDR2 | Actual Content |
* +-----------------+-----------------+
* | 0xCA | 0x000C | 0xFE | "HELLO, WORLD" |
* +-----------------+-----------------+
* </pre>
* 
* &lt;h3&gt;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&lt;/h3&gt;
* 
* 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 &lt;tt&gt;lengthAdjustment&lt;/tt&gt;.
* 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.
* &lt;pre&gt;
* lengthFieldOffset = 1
* lengthFieldLength = 2
* &lt;b&gt;lengthAdjustment&lt;/b&gt; = &lt;b&gt;-3&lt;/b&gt; (= the length of HDR1 + LEN, negative)
* &lt;b&gt;initialBytesToStrip&lt;/b&gt; = &lt;b&gt;3&lt;/b&gt;
* 
* BEFORE DECODE (16 bytes) AFTER DECODE (13 bytes)
* +--------+--------+------+----------------+      +--------+----------------+
* | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
* | 0xCA | 0x0010 | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
* +--------+--------+------+----------------+
* </pre>
* @see LengthFieldPrepender
*/

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  jar/io/netty/handler/codec/LengthFieldBasedFrameDecoder.java

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1.1706 klauspost-compress 1.10.7

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1.1707 golang-snappy 0.0.3

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1.1708 perl-getopt-long 2.40 3.el7

1.1709 javassist 3.24.0-GA
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Found in path(s):
* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/tools/rmi/StubGenerator.java
* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/compiler/ast/BinExpr.java
* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-
* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/SerialVersionUID.java
* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/util/proxy/DefinePackageHelper.java
* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/tools/reflect/Metaobject.java
* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/convert/TransformAfter.java
* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/bytecode/Descriptor.java
* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/compiler/JvstTypeChecker.java
* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/bytecode/AnnotationDefaultAttribute.java
* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/compiler/ast/Variable.java
* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/scopedpool/ScopedClassPoolFactory.java
* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/LoaderClassPath.java
* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/bytecode/ParameterAnnotationsAttribute.java
* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/compiler/ast/ASTree.java
* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/compiler/ast/ArrayInit.java
* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/compiler/Lex.java
* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/compiler/ast/CondExpr.java
* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/compiler/ast/ArrayInit.java
* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/compiler/ast/ArrayInit.java

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/* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/bytecode/analysis/MultiArrayType.java */
/* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/CannotCompileException.java */
/* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/util/proxy/RuntimeSupport.java */
/* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/bytecode/AttributeInfo.java */
/* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/bytecode/FieldInfo.java */
/* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/tools/rmi/ObjectNotFoundException.java */
1.1710 ema-qdisc 0.0.0-20200603082823-62d0308e3e00

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1.1711 jsonpatch 1.2
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1.1712 opensaml-soap-api 3.3.0

1.1713 kubernetes-client 0.17.4
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### 1.1722 pytz 2018.5

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# An entry with multiple email addresses specifies that the
# first address should be used in the submit logs and
# that the other addresses should be recognized as the
# same person when interacting with Gerrit.
#
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* org.eclipse.jetty.orbit:org.eclipse.jdt.core
The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.
org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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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.
1.1733 opencontainers-umoci 0.4.7

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1.1734 pflag 1.0.5

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1.1739 jetty-http 9.4.42.v20210604

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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

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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

OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

MortBay

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following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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dns.c - Recursive, Reentrant DNS Resolver.

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  jar/org/objectweb/asm/xml/SAXAdapter.java
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*/

/**
 * Creates a new JSRInliner. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the construct...
 */

@docval
@access
@name
@desc
@signature
@exceptions
@throws

/*

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*/

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/**
 * Creates a new [GeneratorAdapter]. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * [GeneratorAdapter(int, MethodVisitor, int, String, String)]
 * version.
 *
 * @param mv
 *       the method visitor to which this adapter delegates calls.
 * @param access
 *       the method's access flags (see [Opcodes]).
 * @param name
 *       the method's name.
 * @param desc
 *       the method's descriptor (see [Type]).
 * @throws IllegalStateException
 *       If a subclass calls this constructor.
 */

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/**
 * Constructs a new [@link Textifier]. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the [@link #Textifier(int)]
 * version.
 *
 * @throws IllegalStateException
 *             If a subclass calls this constructor.
 */

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/**
* Constructs a new {@link ClassNode}. <i>Subclasses must not use this
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* version.
*
* @throws IllegalStateException
*             If a subclass calls this constructor.
*/

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 * Constructs a new {@link LocalVariableAnnotationNode}. <i>Subclasses must
 * not use this constructor</i>. Instead, they must use the
 * {@link #LocalVariableAnnotationNode(int, TypePath, LabelNode[], LabelNode[], int[], String)}
 * version.
 *
 * @param typeRef
 * a reference to the annotated type. See {@link TypeReference}.
 *
 * @param typePath
 * the path to the annotated type argument, wildcard bound, array
 * element type, or static inner type within 'typeRef'. May be
 * <tt>null</tt> if the annotation targets 'typeRef' as a whole.
 *
 * @param start
 * the fist instructions corresponding to the continuous ranges
 * that make the scope of this local variable (inclusive).
 *
 * @param end
 * the last instructions corresponding to the continuous ranges
 * that make the scope of this local variable (exclusive). This
 * array must have the same size as the 'start' array.
 *
 * @param index
 * the local variable's index in each range. This array must have
 * the same size as the 'start' array.
 *
 * @param desc
 * the class descriptor of the annotation class.
 */

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* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-
jar/org/objectweb/asm/signature/SignatureReader.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/tree/LdcInsnNode.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/tree/lookupSwitchInsnNode.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/tree/LineNumberNode.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/optimizer/JarOptimizer.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/commons/LocalVariablesSorter.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/util/TraceAnnotationVisitor.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/optimizer/Constant.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/tree/TypeAnnotationNode.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/Handle.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/tree/TryCatchBlockNode.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/optimizer/ClassOptimizer.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/util/ASMifier.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/util/TraceClassVisitor.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/tree/TableSwitchInsnNode.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/tree/analysis/Frame.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/tree/InvokeDynamicInsnNode.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/tree/analysis/AnalyzerException.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/tree/analysis/Subroutine.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/commons/SerialVersionUIDAdder.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/tree/InnerClassNode.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/tree/ParameterNode.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/tree/LocalVariableNode.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/tree/analysis/Analyzer.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/tree/analysis/SmallSet.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-
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  * /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/util/Textifiable.java
  * /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/util/ASMifiable.java

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/ ****

* Creates a new [@link AnalyzerAdapter]. <i>Subclasses must not use this constructor</i>. Instead, they must use the

* [@link #AnalyzerAdapter(int, String, int, String, String, MethodVisitor)]

* version.

* @param owner

* the owner's class name.

* @param access

* the method's access flags (see [@link Opcodes]).

* @param name

* the method's name.

* @param desc

* the method's descriptor (see [@link Type]).

* @param mv

* the method visitor to which this adapter delegates calls. May be <tt>null</tt>.

* @throws IllegalStateException

* @throws IllegalState

If a subclass calls this constructor.

*/

Found in path(s):

*/opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6.jar/org/objectweb/asm/commons/AnalyzerAdapter.java

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* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/xml/package.html

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* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/optimizer/shrink-annotations.properties
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/optimizer/shrink-frames.properties
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/optimizer/shrink-resize.properties
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* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/TypePath.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/TypeReference.java

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the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
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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 Jackson abstractions.
Bundle-DocURL: https://github.com/FasterXML/jackson-dataformats-text
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt
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
mat.csv"
Implementation-Build-Date: 2020-07-21 03:31:04+0000
Implementation-Title: Jackson-dataformat-CSV
Implementation-Vendor: FasterXML
Implementation-Vendor-Id: com.fasterxml.jackson.dataformat
Implementation-Version: 2.10.5
Import-Package: com.fasterxml.jackson.core;version="[2.10,3)",com.fasterxml.jackson.core.base;version="[2.10,3)",com.fasterxml.jackson.core .format;version="[2.10,3)",com.fasterxml.jackson.core.io;version="[2.10,3)",com.fasterxml.jackson.core.json;version="[2.10,3)",com.fasterxml.jackson.core.type;version="[2.10,3)",com.fasterxml.jackson.core.util;version="[2.10,3)",com.fasterxml.jackson.databind;version="[2.10,3)",com.fasterxml.jackson.databind.cfg;version="[2.10,3)",com.fasterxml.jackson.databind.introspect;version="[2.10,3)",com.fasterxml.jackson.databind.type;version="[2.10,3)",com.fasterxml.jackson.databind.util;version="[2.10,3)",com.fasterxml.jackson.dataformat.csv;version="[2.10,3)",com.fasterxml.jackson.dataformat.csv.impl;version="[2.10,3)",com.fasterxml.jackson.databind.csv;version="[2.10,3)",com.fasterxml.jackson.databind.csv.impl;version="[2.10,3)",com.fasterxml.jackson.databind.csv.impl
Private-Package: com.fasterxml.jackson.dataformat.csv.impl
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.7))"
Specification-Title: Jackson-dataformat-CSV
Specification-Vendor: FasterXML
Specification-Version: 2.10.5
Tool: Bnd-4.2.0.201903051501
X-Compile-Source-JDK: 1.7
X-Compile-Target-JDK: 1.7

Found in path(s):
* /opt/cola/permits/1154615200_1618868383.1/0/jackson-dataformat-csv-2-10-5-5-jar/META-INF/MANIFEST.MF

1.1771 minio-go 7.0.6-0.20200923173112-bc846cb9b089

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* /opt/cola/permits/1226432499_1639096325.47/0/minio-client-0.20170615-1.el7.src.rpm-cosi-expand-archive-XbjCm3ci/minio-client.spec
1.1772 x-sys 0.0.0-20200420163511-1957bb5e6d1f

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* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api  
* javax.annotation:javax.annotation-api  
* javax.transaction:javax.transaction-api  
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

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* java.sun.security.ssl

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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**Apache**

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org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api
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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html
org.eclipse.jetty.toolchain:jetty-schemas

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* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1.jar/com/google/gson/internal/Streams.java

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1.1788 k8snetworkplumbingwg-network-attachment-definition-client 0.0.0-20191025120722-4c57cd5732f3

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// License information for the exposed API.

// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
    Name string `json:"name,omitempty"
    URL  string `json:"url,omitempty"
}

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Protocol Buffers for Go with Gadgets

Go support for Protocol Buffers - Google's data interchange format

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tomb - support for clean goroutine termination in Go.

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1.1797 linux-kernel 4.14.241

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jar/org/HdrHistogram/ConcurrentDoubleHistogram.java
* /opt/cola/permits/1183569501_1627428110.01/0/hdrhistogram-2-1-11-sources-7-jar/org/HdrHistogram/Version.java
* /opt/cola/permits/1183569501_1627428110.01/0/hdrhistogram-2-1-11-sources-7-jar/org/HdrHistogram/LinearIterator.java
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package org.HdrHistogram;

final class Version {
public static final String version="$VERSION$";
public static final String build_time="$BUILD_TIME$";
}

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jar/org/HdrHistogram/Version.java.template
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jar/org/HdrHistogram/AbstractHistogram.java
* /opt/cola/permits/1183569501_1627428110.01/0/hdrhistogram-2-1-11-sources-7-
jar/org/HdrHistogram/DoubleHistogram.java

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package spec

import "testing"

func TestIntegrationLicense(t *testing.T) {
    license := License{Name: "the name", URL: "the url"}
const licenseJSON = `{"name":"the name","url":"the url"}`
const licenseYAML = `name: the name
url: the url`

assertSerializeJSON(t, license, licenseJSON)
assertParsesJSON(t, licenseJSON, license)

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// License information for the exposed API.

// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
    Name string `json:"name,omitempty"
    URL  string `json:"url,omitempty"
}

1.1801 jwt-go 3.2.0+incompatible

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1.1805 gopkg.in-asn1-ber 1.0.0-20170511165959-379148ca0225

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1.1810 e2fsprogs 1.42.9-19.el7_9.0atomix1

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This is the Debian GNU/Linux prepackaged version of the translation files of the EXT2 file system utilities. The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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Index: tdbsa/tdb.c
===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@
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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written by Theodore Ts'o <tysco@mit.edu> and Remy Card <card@masi.ibp.fr>.

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# This is a Makefile stub which handles the creation of BSD shared libraries.

# In order to use this stub, the following makefile variables must be defined.

# 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:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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Theodore Ts'o
23-June-2007

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package spec
import "testing"

func TestIntegrationLicense(t *testing.T) {
    license := License{Name: "the name", URL: "the url"}
    const licenseJSON = `{"name":"the name","url":"the url"}`
    const licenseYAML = "name: the name\nurl: the url"

    assertSerializeJSON(t, license, licenseJSON)
    assertSerializeYAML(t, license, licenseYAML)
    assertParsesJSON(t, licenseJSON, license)
    assertParsesYAML(t, licenseYAML, license)
}

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package spec

// License information for the exposed API.
//
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
Name string `json:"name,omitempty"
URL  string `json:"url,omitempty"
}

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  jar/io/netty/handler/traffic/GlobalTrafficShapingHandler.java
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  jar/io/netty/handler/traffic/ChannelTrafficShapingHandler.java
* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-
  jar/io/netty/handler/traffic/TrafficCounter.java
* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-
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jar/io/netty/handler/ssl/SniCompletionEvent.java
* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/OptionalSslHandler.java
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* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/OpenSslSessionStats.java
* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/utils/SimpleTrustManagerFactory.java
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* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/utils/BouncyCastleSelfSignedCertGenerator.java
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1.1815 jackson-module-parameter-names

2.10.3

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  jar/io/netty/channel/pool/ChannelHealthChecker.java
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  jar/io/netty/channel/pool/ChannelPool.java
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  jar/io/netty/channel/pool/ChannelPoolMap.java
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/**
 * Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in
 * its [@link ChannelPipeline].
 *
 * <h3>Sub-types</h3>
 * <p>
 * [@link ChannelHandler] itself does not provide many methods, but you usually have to implement one of its
 * subtypes:
 * <ul>
 * <li>[@link ChannelInboundHandler] to handle inbound I/O events, and</li>
 * <li>[@link ChannelOutboundHandler] to handle outbound I/O operations.</li>
 * </ul>
 * </p>
 * <p>
 * Alternatively, the following adapter classes are provided for your convenience:
 * <ul>
 * <li>[@link ChannelInboundHandlerAdapter] to handle inbound I/O events,</li>
 * <li>[@link ChannelOutboundHandlerAdapter] to handle outbound I/O operations, and</li>
 * <li>[@link ChannelDuplexHandler] to handle both inbound and outbound events</li>
 * </ul>
 * </p>
 * <p>
 * For more information, please refer to the documentation of each subtype.
 * </p>
 *
 * <h3>The context object</h3>
 * <p>
 * A [@link ChannelHandler] is provided with a [@link ChannelHandlerContext] object. A [@link ChannelHandler] is supposed to interact with the
 * [@link ChannelPipeline] it belongs to via a context object. Using the
 * context object, the [@link ChannelHandler] can pass events upstream or
 * downstream, modify the pipeline dynamically, or store the information
 * (using [@link AttributeKey])s which is specific to the handler.
 * </p>
 *
 * <h3>State management</h3>
 * <p>
 * A [@link ChannelHandler] often needs to store some stateful information.
 * The simplest and recommended approach is to use member variables:
 * <pre>
 * public interface Message {
 *     // your methods here
 * }
* public class DataServerHandler extends [SimpleChannelInboundHandler]&lt;Message&gt; {
*     private boolean loggedIn;
*     
*     public void channelRead0([ChannelHandlerContext] ctx, Message message) {
*         if (message instanceof LoginMessage) {
*             authenticate((LoginMessage) message);
*             loggedIn = true;
*         } else (message instanceof GetDataMessage) {
*             if (loggedIn) {
*                 ctx.writeAndFlush(fetchSecret((GetDataMessage) message));
*             } else {
*                 fail();
*             }
*         }
*         ...
*     }
*     ...
* }<pre>
* Because the handler instance has a state variable which is dedicated to
* one connection, you have to create a new handler instance for each new
* channel to avoid a race condition where a unauthenticated client can get
* the confidential information:
* <pre>
* // Create a new handler instance per channel.
* // See [ChannelInitializer#initChannel(Chanell)].
* public class DataServerInitializer extends [ChannelInitializer]&lt;Channel&gt; {
*     public void initChannel([Channel] channel) {
*         channel.pipeline().addLast("handler", new DataServerHandler());
*     }
*     ...
* }<pre>
* <h4>Using [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 [AttributeKey]s which is provided by
* [ChannelHandlerContext]:
* <pre>
* public interface Message {
*     // your methods here
* }
* {@code @Sharable}
* public class DataServerHandler extends {@link SimpleChannelInboundHandler}<Message> {
*     private final {@link AttributeKey}&lt;Boolean&gt; auth =
*         {@link AttributeKey#valueOf(String) AttributeKey.valueOf("auth")};
*     ...
* }
* { @code @Override}
* public void channelRead({@link ChannelHandlerContext} ctx, Message message) {
*     Attribute 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();
*         }
*     }
*     ...
* }
* }
* </pre>
* Now that the state of the handler is attached to the { @link ChannelHandlerContext}, you can add the
* same handler instance to different pipelines:
* <pre>
* public class DataServerInitializer extends {@link ChannelInitializer}<Channel> {
*     private static final DataServerHandler SHARED = new DataServerHandler();
*     ...
* }
* { @code @Override}
* public void initChannel({@link Channel} channel) {
*     channel.pipeline().addLast("handler", SHARED);
* }
* }
* </pre>
* *
* <h4>The { @code @Sharable} annotation</h4>
* In the example above which used an { @link AttributeKey},
* you might have noticed the { @code @Sharable} annotation.
* If a { @link ChannelHandler} is annotated with the { @code @Sharable} annotation, it means you can create an instance of the handler just once and
* add it to one or more { @link ChannelPipeline}s multiple times without
* a race condition.
* If this annotation is not specified, you have to create a new handler
* instance every time you add it to a pipeline because it has unshared state
* such as member variables.
* <p>
* This annotation is provided for documentation purpose, just like
* 
* <h3>Additional resources worth reading</h3>
* <p>
* Please refer to the [@link ChannelHandler], and
* [@link ChannelPipeline] to find out more about inbound and outbound operations,
* what fundamental differences they have, how they flow in a pipeline, and how to handle
* the operation in your application.
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* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1.jar/io/netty/channel/PendingBytesTracker.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1.jar/io/netty/channel/nio/SelectedSelectionKeySetSelector.java
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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
  jar/io/netty/channel/ChannelHandlerMask.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
  jar/io/netty/channel/EventLoopTaskQueueFactory.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
  jar/io/netty/channel/ExtendedClosedChannelException.java

1.1826 tre 0.8.0
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1.1827 unbound 1.6.6-5.el7_9

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1.1829 libx11 1.6.3 2.el7

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1.2.0.RELEASE

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**1.1838 lz4 1.8.3-1.el7**

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Upstream-Contact: Yann Collet <Cyan4973@github.com>
Source: https://github.com/lz4/lz4

Files: *
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```go
package RESOURCE

import (
    "github.com/gophercloud/gophercloud"
    "github.com/gophercloud/gophercloud/pagination"
)

// RESOURCE represents...
type Resource struct {
}

type commonResult struct {
    gophercloud.Result
}

// GetResult is the response from a Get operation. Call its Extract method
// to interpret it as a RESOURCE.
type GetResult struct {
    commonResult
}

// CreateResult is the response from a Create operation. Call its Extract method
// to interpret it as a RESOURCE.
type CreateResult struct {
    commonResult
}

// DeleteResult is the response from a Delete operation. Call its ExtractErr to
// determine if the request succeeded or failed.
type DeleteResult struct {
    gophercloud.ErrResult
}

// UpdateResult is the result of an Update request. Call its Extract method to
// interpret it as a RESOURCE.
type UpdateResult struct {
    commonResult
}

// ResourcePage is a single page of RESOURCE results.
type ResourcePage struct {
    pagination.LinkedPageBase
}
```
// IsEmpty determines whether or not a page of RESOURCES contains any results.
func (r ResourcePage) IsEmpty() (bool, error) {
    resources, err := ExtractResources(r)
    return len(resources) == 0, err
}

// NextPageURL extracts the "next" link from the links section of the result.
func (r ResourcePage) NextPageURL() (string, error) {
    var s struct {
        Links struct {
            Next     string `json:"next"`
            Previous string `json:"previous"`
        } `json:"links"`
    }
    err := r.ExtractInto(&s)
    if err != nil {
        return "", err
    }
    return s.Links.Next, err
}

// ExtractResources returns a slice of Resources contained in a single page of
// results.
func ExtractResources(r pagination.Page) ([]Resource, error) {
    var s struct {
        Resources []Resource `json:"resources"`
    }
    err := (r.(ResourcePage)).ExtractInto(&s)
    return s.Resources, err
}

// Extract interprets any commonResult as a Resource.
func (r commonResult) Extract() (*Resource, error) {
    var s struct {
        Resource *Resource `json:"resource"`
    }
    err := r.ExtractInto(&s)
    return s.Resource, err
}

Contributor Tutorial
====================

This tutorial is to help new contributors become familiar with the processes
used by the Gophercloud team when adding a new feature or fixing a bug.

While we have a defined process for working on Gophercloud, we're very mindful
that everyone is new to this in the beginning. Please reach out for help or ask for clarification if needed. No question is ever "dumb" or not worth our time answering.

To begin, go to [Step 1](step-01-introduction.md).

Step 5: Writing the Code
====================================

At this point, you should have:

- [x] Identified a feature or bug fix
- [x] Opened an Issue about it
- [x] Located the project's service code which validates the feature or fix
- [x] Have an OpenStack environment available to test with

Now it's time to write the actual code! We recommend reading over the [CONTRIBUTING](https://github.com/gophercloud/gophercloud/CONTRIBUTING.md) guide again as a refresh. Notably the [Getting Started](https://github.com/gophercloud/gophercloud/CONTRIBUTING.md#getting-started) section will help you set up a `git` repository correctly.

We encourage you to browse the existing Gophercloud code to find examples of similar implementations. It would be a _very_ rare occurrence for you to be implementing something that hasn't already been done.

Use the existing packages as templates and mirror the style, naming, and logic.

Types of Pull Requests
------------------------

The amount of changes you plan to make will determine how much code you should submit as Pull Requests.

### A Single Bug Fix

If you're implementing a single bug fix, then creating one `git` branch and submitting one Pull Request is fine.

### Adding a Single Field

If you're adding a single field, then a single Pull Request is also fine. See [#662](https://github.com/gophercloud/gophercloud/pull/662) as an example of this.

If you plan to add more than one missing field, you will need to open a Pull Request for _each_ field.

### Adding a Single API Call
Single API calls can also be submitted as a single Pull Request. See [#722](https://github.com/gophercloud/gophercloud/pull/722) as an example of this.

### Adding a Suite of API Calls

If you're adding support for a "suite" of API calls (meaning: Create, Update, Delete, Get), then you will need to create one Pull Request for _each_ call.

The following Pull Requests are good examples of how to do this:

* https://github.com/gophercloud/gophercloud/pull/584
* https://github.com/gophercloud/gophercloud/pull/586
* https://github.com/gophercloud/gophercloud/pull/587
* https://github.com/gophercloud/gophercloud/pull/594

You can also use the provided [template](/docs/contributor-tutorial/template) as it contains a lot of the repeated boiler plate code seen in each resource. However, please make sure to thoroughly review and edit it as needed. Leaving templated portions in-place might be interpreted as rushing through the work and will require further rounds of review to fix.

### Adding an Entire OpenStack Project

To add an entire OpenStack project, you must break each set of API calls into individual Pull Requests. Implementing an entire project can be thought of as implementing multiple API suites.

An example of this can be seen from the Pull Requests referenced in [#723](https://github.com/gophercloud/gophercloud/issues/723).

What to Include in a Pull Request
---------------------------------

Each Pull Request should contain the following:

1. The actual Go code to implement the feature or bug fix
2. Unit tests
3. Acceptance tests
4. Documentation

Whether you want to bundle all of the above into a single commit or multiple commits is up to you. Use your preferred style.

### Unit Tests

Unit tests should provide basic validation that your code works as intended.
Please do not use JSON fixtures from the API reference documentation. Please generate your own fixtures using the OpenStack environment you're [testing](step-04-acceptance-testing.md) with.

### Acceptance Tests

Since unit tests are not run against an actual OpenStack environment, acceptance tests can arguably be more important. The acceptance tests that you include in your Pull Request should confirm that your implemented code works as intended with an actual OpenStack environment.

### Documentation

All documentation in Gophercloud is done through in-line `godoc`. Please make sure to document all fields, functions, and methods appropriately. In addition, each package has a `doc.go` file which should be created or amended with details of your Pull Request, where appropriate.

Dealing with Related Pull Requests
----------------------------------

If you plan to open more than one Pull Request, it's only natural that code from one Pull Request will be dependent on code from the prior Pull Request.

There are two methods of handling this:

### Create Independent Pull Requests

With this method, each Pull Request has all of the code to fully implement the code in question. Each Pull Request can be merged in any order because it's self contained.

Use the following `git` workflow to implement this method:

```shell
$ git checkout master
$ git pull
$ git checkout -b identityv3-regions-create
$ (write your code)
$ git add .
$ git commit -m "Implementing Regions Create"

$ git checkout master
$ git checkout -b identityv3-regions-update
$ (write your code)
$ git add .
$ git commit -m "Implementing Regions Update"
```
Advantages of this Method:

* Pull Requests can be merged in any order
* Additional commits to one Pull Request are independent of other Pull Requests

Disadvantages of this Method:

* There will be _a lot_ of duplicate code in each Pull Request
* You will have to rebase all other Pull Requests and resolve a good amount of merge conflicts.

### Create a Chain of Pull Requests

With this method, each Pull Request is based off of a previous Pull Request. Pull Requests will have to be merged in a specific order since there is a defined relationship.

Use the following `git` workflow to implement this method:

```shell
$ git checkout master
$ git pull
$ git checkout -b identityv3-regions-create
$ (write your code)
$ git add .
$ git commit -m "Implementing Regions Create"

$ git checkout -b identityv3-regions-update
$ (write your code)
$ git add .
$ git commit -m "Implementing Regions Update"
```

Advantages of this Method:

* Each Pull Request becomes smaller since you are building off of the last

Disadvantages of this Method:

* If a Pull Request requires changes, you will have to rebase _all_ child Pull Requests based off of the parent.

The choice of method is up to you.
Once you have your code written, submit a Pull Request to Gophercloud and proceed to [Step 6](step-06-code-review.md).

**Step 6: Code Review**

Once you've submitted a Pull Request, three things will happen automatically:

1. **Travis-CI** will run a set of simple tests:
   a. Unit Tests
   b. Code Formatting checks
   c. `go vet` checks

2. **Coveralls** will run a coverage test.
3. [OpenLab](https://openlabtesting.org/) will run acceptance tests.

Depending on the results of the above, you might need to make additional changes to your code.

While you're working on the finishing touches to your code, it is helpful to add a `[wip]` tag to the title of your Pull Request.

You are most welcomed to take as much time as you need to work on your Pull Request. As well, take advantage of the automatic testing that is done to each commit.

### Travis-CI

If Travis reports code formatting issues, please make sure to run `gofmt` on all of your code. Travis will also report errors with unit tests, so you should ensure those are fixed, too.

### Coveralls

If Coveralls reports a decrease in test coverage, check and make sure you have provided unit tests. A decrease in test coverage is _sometimes_ unavoidable and ignorable.

### OpenLab

OpenLab does not yet run a full suite of acceptance tests, so it's possible that the acceptance tests you've included were not run. When this happens, a core member for Gophercloud will run the tests manually.

There are times when a core reviewer does not have access to the resources required to run the acceptance tests. When this happens, it is essential
that you've run them yourself (See [Step 4](step-04.md)).

Request a Code Review
----------------------

When you feel your Pull Request is ready for review, please leave a comment requesting a code review. If you don't explicitly ask for a code review, a core member might not know the Pull Request is ready for review.

Additionally, if there are parts of your implementation that you are unsure about, please ask for help. We're more than happy to provide advice.

During the code review process, a core member will review the code you've submitted and either request changes or request additional information. Generally these requests fall under the following categories:

1. Code which needs to be reformatted (See our [Style Guide](/docs/STYLEGUIDE.md) for conventions used.

2. Requests for additional information about the validity of something. This might happen because the included supporting service code URLs don't have enough information.

3. Missing unit tests or acceptance tests.

Submitting Changes
-------------------

If a code review requires changes to be submitted, please do not squash your commits. Please only add new commits to the Pull Request. This is to help the code reviewer see only the changes that were made.

It's Never Personal
-------------------

Code review is a healthy exercise where a new set of eyes can sometimes spot items forgotten by the author.

Please don't take change requests personally. Our intention is to ensure the code is correct before merging.

---

Once the code has been reviewed and approved, a core member will merge your Pull Request.

Please proceed to [Step 7](step-07-congratulations.md).
package testing

import (
    "fmt"
    "net/http"
    "testing"

    "github.com/gophercloud/gophercloud/openstack/service/vN/resources"
    th "github.com/gophercloud/gophercloud/testhelper"
    "github.com/gophercloud/gophercloud/testhelper/client"
)

// ListResult provides a single page of RESOURCE results.
const ListResult = `
{
}
`

// GetResult provides a Get result.
const GetResult = `
{
}
`

// CreateRequest provides the input to a Create request.
const CreateRequest = `
{
}
`

// UpdateRequest provides the input to a Update request.
const UpdateRequest = `
{
}
`

// UpdateResult provides an update result.
const UpdateResult = `
{
}
`

// FirstResource is the first resource in the List request.
var FirstResource = resources.Resource{}

// SecondResource is the second resource in the List request.
var SecondResource = resources.Resource{}
// SecondResourceUpdated is how SecondResource should look after an Update.
var SecondResourceUpdated = resources.Resource{}

// ExpectedResourcesSlice is the slice of resources expected to be returned from ListResult.
var ExpectedResourcesSlice = []resources.Resource{FirstResource, SecondResource}

// HandleListResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that responds with a list of two resources.
func HandleListResourceSuccessfully(t *testing.T) {
        th.Mux.HandleFunc(`/resources`, func(w http.ResponseWriter, r *http.Request) {
            th.TestMethod(t, r, "GET")
            th.TestHeader(t, r, "Accept", "application/json")
            th.TestHeader(t, r, "X-Auth-Token", client.TokenID)

            w.Header().Set("Content-Type", "application/json")
            w.WriteHeader(http.StatusOK)
            fmt.Fprintf(w, ListResult)
        })
    }

// HandleGetResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that responds with a single resource.
func HandleGetResourceSuccessfully(t *testing.T) {
        th.Mux.HandleFunc(`/resources/9fe1d3`, func(w http.ResponseWriter, r *http.Request) {
            th.TestMethod(t, r, "GET")
            th.TestHeader(t, r, "Accept", "application/json")
            th.TestHeader(t, r, "X-Auth-Token", client.TokenID)

            w.Header().Set("Content-Type", "application/json")
            w.WriteHeader(http.StatusOK)
            fmt.Fprintf(w, GetResult)
        })
    }

// HandleCreateResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that tests resource creation.
func HandleCreateResourceSuccessfully(t *testing.T) {
        th.Mux.HandleFunc(`/resources`, func(w http.ResponseWriter, r *http.Request) {
            th.TestMethod(t, r, "POST")
            th.TestHeader(t, r, "X-Auth-Token", client.TokenID)
            th.TestJSONRequest(t, r, CreateRequest)

            w.WriteHeader(http.StatusCreated)
            fmt.Fprintf(w, GetResult)
        })
    }

// HandleDeleteResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that tests resource deletion.
func HandleDeleteResourceSuccessfully(t *testing.T) {
    th.Mux.HandleFunc("/resources/9fe1d3", func(w http.ResponseWriter, r *http.Request) {
        th.TestMethod(t, r, "DELETE")
        th.TestHeader(t, r, "X-Auth-Token", client.TokenID)
        w.WriteHeader(http.StatusNoContent)
    })
}

// HandleUpdateResourceSuccessfully creates an HTTP handler at `/resources` on the test handler mux that tests resource update.
func HandleUpdateResourceSuccessfully(t *testing.T) {
    th.Mux.HandleFunc("/resources/9fe1d3", func(w http.ResponseWriter, r *http.Request) {
        th.TestMethod(t, r, "PATCH")
        th.TestHeader(t, r, "X-Auth-Token", client.TokenID)
        th.TestJSONRequest(t, r, UpdateRequest)
        w.WriteHeader(http.StatusOK)
        fmt.Fprintf(w, UpdateResult)
    })
}

package RESOURCE

import (  "github.com/gophercloud/gophercloud"  "github.com/gophercloud/gophercloud/pagination"
)

// ListOptsBuilder allows extensions to add additional parameters to the List request  
type ListOptsBuilder interface {  ToResourceListQuery() (string, error)  }

// ListOpts provides options to filter the List results.  
type ListOpts struct {
}

// ToResourceListQuery formats a ListOpts into a query string.  
func (opts ListOpts) ToResourceListQuery() (string, error) {
    q, err := gophercloud.BuildQueryString(opts)
    return q.String(), err
}

// List retrieves a list of RESOURCES.  
func List(client *gophercloud.ServiceClient, opts ListOptsBuilder) pagination.Pager {
    url := listURL(client)
if opts != nil {
    query, err := opts.ToResourceListQuery()
    if err != nil {
        return pagination.Pager{Err: err}
    }
    url += query
}
    return ResourcePage{pagination.LinkedPageBase{PageResult: r}}
})

// Get retrieves details of a RESOURCE.
func Get(client *gophercloud.ServiceClient, id string) (r GetResult) {
    r.Err = client.Get(getURL(client, id), &r.Body, nil)
    return
}

// CreateOptsBuilder allows extensions to add additional parameters to
// the Create request.
type CreateOptsBuilder interface {
    ToResourceCreateMap() (map[string]interface{}, error)
}

// CreateOpts provides options used to create a RESOURCE.
type CreateOpts struct {
}

// ToResourceCreateMap formats a CreateOpts into a create request.
func (opts CreateOpts) ToResourceCreateMap() (map[string]interface{}, error) {
    return gophercloud.BuildRequestBody(opts, "resource")
}

// Create creates a new RESOURCE.
func Create(client *gophercloud.ServiceClient, opts CreateOptsBuilder) (r CreateResult) {
    b, err := opts.ToResourceCreateMap()
    if err != nil {
        r.Err = err
        return
    }
    r.Err = client.Post(createURL(client), &b, &r.Body, &gophercloud.RequestOpts{
        OkCodes: []int{201},
    })
    return
}

// Delete deletes a RESOURCE.
func Delete(client *gophercloud.ServiceClient, id string) (r DeleteResult) {

_, r.Err = client.Delete(deleteURL(client, id), nil)
return
}

// UpdateOptsBuilder allows extensions to add additional parameters to
// the Update request.
type UpdateOptsBuilder interface {
ToResourceUpdateMap() (map[string]interface{}, error)
}

// UpdateOpts represents parameters to update a RESOURCE.
type UpdateOpts struct {
}

// ToUpdateCreateMap formats a UpdateOpts into an update request.
func (opts UpdateOpts) ToResourceUpdateMap() (map[string]interface{}, error) {
return gophercloud.BuildRequestBody(opts, "resource")
}

// Update modifies the attributes of a RESOURCE.
func Update(client *gophercloud.ServiceClient, id string, opts UpdateOptsBuilder) (r UpdateResult) {
b, err := opts.ToResourceUpdateMap()
if err != nil {
    r.Err = err
    return
}
_, r.Err = client.Patch(updateURL(client, id), b, &r.Body, &gophercloud.RequestOpts{
    OkCodes: []int{200},
})
return
}

package testing

import {
    "testing"

    "github.com/gophercloud/gophercloud/openstack/service/vN/resources"
    "github.com/gophercloud/gophercloud/pagination"
    th "github.com/gophercloud/gophercloud/testhelper"
    "github.com/gophercloud/gophercloud/testhelper/client"
    }

func TestListResources(t *testing.T) {
th.SetupHTTP()
defer th.TearDownHTTP()
HandleListResourcesSuccessfully(t)

count := 0

    count++
    actual, err := resources.ExtractResources(page)
    th.AssertNoErr(t, err)
    th.AssertDeepEquals(t, ExpectedResourcesSlice, actual)
    return true, nil
})
th.AssertNoErr(t, err)
th.AssertEquals(t, count, 1)
}

func TestListResourcesAllPages(t *testing.T) {
    th.SetupHTTP()
    defer th.TeardownHTTP()
    HandleListResourcesSuccessfully(t)
    allPages, err := resources.List(client.ServiceClient(), nil).AllPages()
    th.AssertNoErr(t, err)
    actual, err := resources.ExtractResources(allPages)
    th.AssertNoErr(t, err)
    th.AssertDeepEquals(t, ExpectedResourcesSlice, actual)
}

func TestGetResource(t *testing.T) {
    th.SetupHTTP()
    defer th.TeardownHTTP()
    HandleGetResourceSuccessfully(t)
    actual, err := resources.Get(client.ServiceClient(), "9fe1d3").Extract()
    th.AssertNoErr(t, err)
}

func TestCreateResource(t *testing.T) {
    th.SetupHTTP()
    defer th.TeardownHTTP()
    HandleCreateResourceSuccessfully(t)
    createOpts := resources.CreateOpts{
        Name: "resource two",
    }
    actual, err := resources.Create(client.ServiceClient(), createOpts).Extract()
    th.AssertNoErr(t, err)
func TestDeleteResource(t *testing.T) {
    th.SetupHTTP()
    defer th.TeardownHTTP()
    HandleDeleteResourceSuccessfully(t)

    res := resources.Delete(client.ServiceClient(), "9fe1d3")
    th.AssertNoErr(t, res.Err)
}

func TestUpdateResource(t *testing.T) {
    th.SetupHTTP()
    defer th.TeardownHTTP()
    HandleUpdateResourceSuccessfully(t)

    updateOpts := resources.UpdateOpts{
        Description: "Staging Resource",
    }

    actual, err := resources.Update(client.ServiceClient(), "9fe1d3", updateOpts).Extract()
    th.AssertNoErr(t, err)
    th.AssertDeepEquals(t, SecondResourceUpdated, *actual)
}

package RESOURCE

import "github.com/gophercloud/gophercloud"

func listURL(client *gophercloud.ServiceClient) string {
    return client.ServiceURL("resource")
}

func getURL(client *gophercloud.ServiceClient, id string) string {
    return client.ServiceURL("resource", id)
}

func createURL(client *gophercloud.ServiceClient) string {
    return client.ServiceURL("resource")
}

func deleteURL(client *gophercloud.ServiceClient, id string) string {
    return client.ServiceURL("resource", id)
}

func updateURL(client *gophercloud.ServiceClient, id string) string {
    return client.ServiceURL("resource", id)
}
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Step 7: Congratulations!
=================================

At this point your code is merged and you've either fixed a bug or added a new feature to Gophercloud!

We completely understand that this has been a long process. We appreciate your patience as well as the time you have taken for working on this. You've made Gophercloud a better project with your work.

/*
Package NAME manages and retrieves RESOURCE in the OpenStack SERVICE Service.

Example to List RESOURCE

Example to Create a RESOURCE

Example to Update a RESOURCE

Example to Delete a RESOURCE

*/
package RESOURCE

Step 4: Acceptance Testing
=================================

If we haven't started working on the feature or bug fix, why are we talking about Acceptance Testing now?

Before you implement a feature or bug fix, you _must_ be able to test your code in a working OpenStack environment. Please do not submit code which you have only tested with offline unit tests.

Blindly submitting code is dangerous to the Gophercloud project. Developers from all over the world use Gophercloud in many different projects. If you submit code which is untested, it can cause these projects to break or become unstable.

And, to be frank, submitting untested code will inevitably cause someone else to have to spend time fixing it.

If you don't have an OpenStack environment to test with, we have lots of documentation [here](/acceptance) to help you build your own small OpenStack environment for testing.

---

Once you've confirmed you are able to test your code, proceed to [Step 5](step-05-pull-requests.md) to (finally!) start working on a Pull
Every patch / Pull Request requires a corresponding issue. If you're fixing a bug for an existing issue, then there's no need to create a new issue.

However, if no prior issue exists, you must create an issue.

Reporting a Bug

When reporting a bug, please try to provide as much information as you can.

The following issues are good examples for reporting a bug:

* https://github.com/gophercloud/gophercloud/issues/108
* https://github.com/gophercloud/gophercloud/issues/212
* https://github.com/gophercloud/gophercloud/issues/424
* https://github.com/gophercloud/gophercloud/issues/588
* https://github.com/gophercloud/gophercloud/issues/629
* https://github.com/gophercloud/gophercloud/issues/647

Feature Request

If you've noticed that a feature is missing from Gophercloud, you'll also need to create an issue before doing any work. This is to start a discussion about whether or not the feature should be included in Gophercloud. We don't want to see you put in hours of work only to learn that the feature is out of scope of the project.

Feature requests can come in different forms:

### Adding a Feature to Gophercloud Core

The "core" of Gophercloud is the code which supports API requests and responses: pagination, error handling, building request bodies, and parsing response bodies are all examples of core code.

Modifications to core will usually have the most amount of discussion than other requests since a change to core will affect _all_ of Gophercloud.

The following issues are examples of core change discussions:

* https://github.com/gophercloud/gophercloud/issues/310
* https://github.com/gophercloud/gophercloud/issues/613
* https://github.com/gophercloud/gophercloud/issues/729
* https://github.com/gophercloud/gophercloud/issues/713

### Adding a Missing Field

If you've found a missing field in an existing struct, submit an issue to request having it added. These kinds of issues are pretty easy to report and resolve.

You should also provide a link to the actual service's Python code which defines the missing field.

The following issues are examples of missing fields:

* https://github.com/gophercloud/gophercloud/issues/620
* https://github.com/gophercloud/gophercloud/issues/621
* https://github.com/gophercloud/gophercloud/issues/658

There's one situation which can make adding fields more difficult: if the field is part of an API extension rather than the base API itself. An example of this can be seen in [this](https://github.com/gophercloud/gophercloud/issues/749) issue.

Here, a user reported fields missing in the `Get` function of `networking/v2/networks`. The fields reported missing weren't missing at all, they're just part of various Networking extensions located in `networking/v2/extensions`.

### Adding a Missing API Call

If you've found a missing API action, create an issue with details of the action. For example:

* https://github.com/gophercloud/gophercloud/issues/715
* https://github.com/gophercloud/gophercloud/issues/719

You'll want to make sure the API call is part of the upstream OpenStack project and not an extension created by a third-party or vendor. Gophercloud only supports the OpenStack projects proper.

### Adding a Missing API Suite

Adding support to a missing suite of API calls will require more than one Pull Request. However, you can use a single issue for all PRs.

Examples of issues which track the addition of a missing API suite are:

* https://github.com/gophercloud/gophercloud/issues/539
Note how the issue breaks down the implementation by request types (Create, Update, Delete, Get, List).

Also note how these issues provide links to the service's Python code. These links are not required for _issues_, but it's usually a good idea to provide them, anyway. These links _are required_ for PRs and that will be covered in detail in a later step of this tutorial.

### Adding a Missing OpenStack Project

These kinds of feature additions are large undertakings. Adding support for an entire OpenStack project is something the Gophercloud team very much appreciates, but you should be prepared for several weeks of work and interaction with the Gophercloud team.

An example of how to create an issue for an entire project can be seen here:

* https://github.com/gophercloud/gophercloud/issues/723

---

With all of the above in mind, proceed to [Step 3](step-03-code-hunting.md) to learn about Code Hunting.

Step 3: Code Hunting

==============

If you plan to submit a feature or bug fix to Gophercloud, you must be able to prove your code correctly works with the OpenStack service in question.

Let's use the following issue as an example: [https://github.com/gophercloud/gophercloud/issues/621](https://github.com/gophercloud/gophercloud/issues/621).

In this issue, there's a request being made to add support for `availability_zone_hints` to the `networking/v2/networks` package.

Meaning, we want to change:

```go
type Network struct {
    ID          string `json:"id"
    Name        string `json:"name"
    AdminStateUp bool  `json:"admin_state_up"
    Status      string `json:"status"
```
Subnets      []string `json:"subnets"`
TenantID     string   `json:"tenant_id"`
Shared       bool     `json:"shared"
```
```
to look like
```
```go
type Network struct {
  ID                    string   `json:"id"
  Name                  string   `json:"name"
  AdminStateUp          bool     `json:"admin_state_up"
  Status                string   `json:"status"
  Subnets               []string `json:"subnets"
  TenantID              string   `json:"tenant_id"
  Shared                bool     `json:"shared"
  AvailabilityZoneHints []string `json:"availability_zone_hints"
```
```

We need to be sure that `availability_zone_hints` is a field which really does exist in the OpenStack Neutron project and it's not a field which was added as a customization to a single OpenStack cloud.

In addition, we need to ensure that `availability_zone_hints` is really a `[]string` and not a different kind of type.

One way of verifying this is through the [OpenStack API reference documentation](https://developer.openstack.org/api-ref/network/v2/).

However, the API docs might either be incorrect or they might not provide all of the details we need to know in order to ensure this field is added correctly.

> Note: when we say the API docs might be incorrect, we are _not_ implying that the API docs aren't useful or that the contributors who work on the API docs are wrong. OpenStack moves fast. Typos happen. Forgetting to update documentation happens.

Since the OpenStack service itself correctly accepts and processes the fields, the best source of information on how the field works is in the service code itself.

Continuing on with using #621 as an example, we can find the definition of `availability_zone_hints` in the following piece of code:

https://github.com/openstack/neutron/blob/8e9959725eda4063a318b4ba6af1e3494cad9e35/neutron/objects/network.py#L191
The above code confirms that `availability_zone_hints` is indeed part of the `Network` object and that its type is a list of strings (`[ ]string`).

This example is a best-case situation: the code is relatively easy to find and it's simple to understand. However, there will be times when proving the implementation in the service code is difficult. Make no mistake, this is _not_ fun work. This can sometimes be more difficult than writing the actual patch for Gophercloud. However, this is an essential step to ensuring the feature or bug fix is correctly added to Gophercloud.

Examples of good code hunting can be seen here:

* https://github.com/gophercloud/gophercloud/issues/539
* https://github.com/gophercloud/gophercloud/issues/555
* https://github.com/gophercloud/gophercloud/issues/571
* https://github.com/gophercloud/gophercloud/issues/583
* https://github.com/gophercloud/gophercloud/issues/605

Code Hunting Tips
--------------------

OpenStack projects differ from one to another. Code is organized in different ways. However, the following tips should be useful across all projects.

* The logic which implements Create and Delete actions is usually either located in the "model" or "controller" portion of the code.

* Use Github's search box to search for the exact field you're working on. Review all results to gain a good understanding of everywhere the field is used.

* When adding a field, look for an object model or a schema of some sort.

---

Proceed to [Step 4](step-04-acceptance-testing.md) to learn about Acceptance Testing.

Step 1: Read Our Guides
------------------------

There are two introductory guides you should read before proceeding:

* [CONTRIBUTING](/github/CONTRIBUTING.md): The Contributing guide is a detailed document which describes the different ways you can contribute to Gophercloud and how to get started. This tutorial you're reading is very similar to that guide, but presented in a different way. We still recommend you read it over.
When you've finished reading those guides, proceed to [Step 2](step-02-issues.md).

### 1.1840 gonum-lapack 0.7

**1.1840.1 Available under license:**

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1.1842 x-crypto 0.0.0-20190927123631-a832865fa7ad

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1.1844 perl-parent 0.225 244.el7

1.1845 msgp 1.1.0

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1.1846 jackson-dataformat-yaml 2.8.11
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prepared so as to be conveniently linked with application programs
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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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```
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kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
slave/kpropd_rpc.c
slave/kproplg.c
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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
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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this
will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

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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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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_dup_name.c
lib/gssapi/mechglue/g_dup_status.c
lib/gssapi/mechglue/g_dup.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/nglueP.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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cmd/krb5/kproplog/kproplog.c
cmd/krb5/slave/irop5_rpc.c
lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mach/gssapiP_spnego.h
lib/gss_mechs/mech_spnego/mach/spnego_mach.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
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lib/libgss/g_unseal.c
lib/libgss/g_userok.c
lib/libgss/g_verify.c
lib/libgss/gssd_pname_to_uid.c
uts/common/gssapi/include/gssapi_err_generic.h
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1.1909 idna 2.9

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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',

Found in path(s):
* /opt/cola/permits/1110783928_1606854170.13/0/kjd-idna-v2-9-0-g1233a73-1-tar-gz/kjd-idna-8a6016e/LICENSE.rst
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---
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---

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'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)',
    'Topic :: Software Development :: Libraries :: Python Modules',
    'Topic :: Utilities',
],
'python_requires': '>=2.7, !=3.0.*, !=3.1.*, !=3.2.*, !=3.3.*',
'test_suite': 'tests',
}

setup(**arguments)

if __name__ == '__main__':
    main()

Found in path(s):
* /opt/cola/permits/1110783928_1606854170.13/0/kjd-idna-v2-9-0-g1233a73-1-tar-gz/kjd-idna-8a6016e/setup.py

1.1910 xorm 0.8.1

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1.1911 snappy-java 1.1.7.7

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1.1912 x-sys 0.0.0-20210124154548-22da62e12c0c

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package spec

// License information for the exposed API.
//
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
    Name string `json:"name,omitempty"`
    URL  string `json:"url,omitempty"
}

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

Go support for Protocol Buffers - Google's data interchange format

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https://github.com/golang/protobuf

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*/
/**
 * Creates a new JSRInliner. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * [link #JSRInlinerAdapter(int, MethodVisitor, int, String, String, String, String[])]
 * version.
 *
 * @param mv            the <code>MethodVisitor</code> to send the resulting inlined
 * method code to (use <code>null</code> for none).
 * @param access        the method's access flags (see [link Opcodes]). This
 * parameter also indicates if the method is synthetic and/or
 * deprecated.
 * @param name          the method's name.
 * @param desc          the method's descriptor (see [link Type]).
 * @param signature     the method's signature. May be <tt>null</tt>.
 * @param exceptions    the internal names of the method's exception classes (see
 *                       [link Type#getName] getInternalName()). May be
 *                       <tt>null</tt>.
 * @throws IllegalStateException
 *            If a subclass calls this constructor.
 */

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 */

/**
 * Constructs a new [@link Textifier]. <i>Subclasses must not use this
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 * version.
 *
 * @throws IllegalStateException
 * @throws IllegalStateException
 * If a subclass calls this constructor.
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* Creates a new {@link GeneratorAdapter}. <i>Subclasses must not use this
* constructor</i>. Instead, they must use the
* {@link #GeneratorAdapter(int, MethodVisitor, int, String, String)}
* version.
* @param mv
* the method visitor to which this adapter delegates calls.
* @param access
* the method's access flags (see {@link Opcodes}).
* @param name
* the method's name.
* @param desc
* the method's descriptor (see {@link Type Type}).
* @throws IllegalStateException
* If a subclass calls this constructor.
*/

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 */
/**
 * Creates a new {AnalyzerAdapter}. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * {AnalyzerAdapter(int, String, int, String, String, MethodVisitor)}
 * version.
 * @param owner
 * the owner's class name.
 * @param access
 * the method's access flags (see {Opcodes}).
 * @param name

the method's name.
* @param desc
  the method's descriptor (see [ @link Type Type ]).
* @param mv
  the method visitor to which this adapter delegates calls. May
  be <tt>null</tt>.
* @throws IllegalStateException
  If a subclass calls this constructor.
*/

---

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 */
/**
 * Constructs a new [ @link LocalVariableAnnotationNode ]. <i>Subclasses must
 * not use this constructor</i>. Instead, they must use the
 * [ @link #LocalVariableAnnotationNode(int, TypePath, LabelNode[], LabelNode[], int[], String) ]
* version.
*
* @param typeRef
* a reference to the annotated type. See {@link TypeReference}.
* @param typePath
* the path to the annotated type argument, wildcard bound, array
* element type, or static inner type within `typeRef`. May be
* `<tt>null</tt>` if the annotation targets `typeRef` as a whole.
* @param start
* the fist instructions corresponding to the continuous ranges
* that make the scope of this local variable (inclusive).
* @param end
* the last instructions corresponding to the continuous ranges
* that make the scope of this local variable (exclusive). This
* array must have the same size as the `start` array.
* @param index
* the local variable's index in each range. This array must have
* the same size as the `start` array.
* @param desc
* the class descriptor of the annotation class.
*/

Found in path(s):
* /opt/cola/permits/1135996864_1613649419.76/0/asm-5-1-sources-2-
  jar/org/objectweb/asm/tree/LocalVariableAnnotationNode.java
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* /opt/cola/permits/1135996864_1613649419.76/0/asm-5-1-sources-2-jar/org/objectweb/asm/optimizer/ClassConstantsCollector.java
* /opt/cola/permits/1135996864_1613649419.76/0/asm-5-1-sources-2-jar/org/objectweb/asm/MethodVisitor.java
* /opt/cola/permits/1135996864_1613649419.76/0/asm-5-1-sources-2-jar/org/objectweb/asm/commons/CodeSizeEvaluator.java
* /opt/cola/permits/1135996864_1613649419.76/0/asm-5-1-sources-2-jar/org/objectweb/asm/commons/RemappingAnnotationAdapter.java
* /opt/cola/permits/1135996864_1613649419.76/0/asm-5-1-sources-2-jar/org/objectweb/asm/optimizer/MethodOptimizer.java
* /opt/cola/permits/1135996864_1613649419.76/0/asm-5-1-sources-2-jar/org/objectweb/asm/Opcodes.java
* /opt/cola/permits/1135996864_1613649419.76/0/asm-5-1-sources-2-jar/org/objectweb/asm/tree/TableSwitchInsnNode.java
* /opt/cola/permits/1135996864_1613649419.76/0/asm-5-1-sources-2-jar/org/objectweb/asm/tree/AnnotationNode.java
* /opt/cola/permits/1135996864_1613649419.76/0/asm-5-1-sources-2-jar/org/objectweb/asm/util/CheckAnnotationAdapter.java
* /opt/cola/permits/1135996864_1613649419.76/0/asm-5-1-sources-2-jar/org/objectweb/asm/signature/SignatureWriter.java
* /opt/cola/permits/1135996864_1613649419.76/0/asm-5-1-sources-2-jar/org/objectweb/asm/Frame.java
* /opt/cola/permits/1135996864_1613649419.76/0/asm-5-1-sources-2-jar/org/objectweb/asm/Label.java
* /opt/cola/permits/1135996864_1613649419.76/0/asm-5-1-sources-2-jar/org/objectweb/asm/util/TraceMethodVisitor.java
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* /opt/cola/permits/1135996864_1613649419.76/0/asm-5-1-sources-2-jar/org/objectweb/asm/optimizer/FieldConstantsCollector.java
* /opt/cola/permits/1135996864_1613649419.76/0/asm-5-1-sources-2-jar/org/objectweb/asm/tree/analysis/BasicVerifier.java
* /opt/cola/permits/1135996864_1613649419.76/0/asm-5-1-sources-2-jar/org/objectweb/asm/tree/ClassVisitor.java
* /opt/cola/permits/1135996864_1613649419.76/0/asm-5-1-sources-2-jar/org/objectweb/asm/tree/InsnList.java
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* /opt/cola/permits/1135996864_1613649419.76/0/asm-5-1-sources-2-jar/org/objectweb/asm/tree/LineNumberNode.java
* /opt/cola/permits/1135996864_1613649419.76/0/asm-5-1-sources-2-jar/org/objectweb/asm/tree/InnerClassNode.java
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* /opt/cola/permits/1135996864_1613649419.76/0/asm-5-1-sources-2-jar/org/objectweb/asm/commons/StaticInitMerger.java
* /opt/cola/permits/1135996864_1613649419.76/0/asm-5-1-sources-2-jar/org/objectweb/asm/optimizer/FieldConstantDetailsVisitor.java
* /opt/cola/permits/1135996864_1613649419.76/0/asm-5-1-sources-2-jar/org/objectweb/asm/ClassWriter.java
* /opt/cola/permits/1135996864_1613649419.76/0/asm-5-1-sources-2-jar/org/objectweb/asm/optimizer/Shrinker.java
* /opt/cola/permits/1135996864_1613649419.76/0/asm-5-1-sources-2-jar/org/objectweb/asm/commons/Remapper.java
* /opt/cola/permits/1135996864_1613649419.76/0/asm-5-1-sources-2-jar/org/classfile/field/FieldAccessor.java
* /opt/cola/permits/1135996864_1613649419.76/0/asm-5-1-sources-2-jar/org/classfile/method/MethodDesc.java
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*/
/**
 * Constructs a new [@link ClassNode]. <i>Subclasses must not use this
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 * @throws IllegalStateException
 *         If a subclass calls this constructor.
 */

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  jar/io/netty/channel/epoll/Native.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.
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  jar/io/netty/channel/epoll/EpollMode.java
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* /opt/cola/permits/1151781995_1617981755.5/0/netty-transport-native-epoll-4-1-63-final-sources-
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* /opt/cola/permits/1151781995_1617981755.5/0/netty-transport-native-epoll-4-1-63-final-sources-
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* /opt/cola/permits/1151781995_1617981755.5/0/netty-transport-native-epoll-4-1-63-final-sources-
  jar/io/netty/channel/epoll/EpollServerChannelConfig.java
* /opt/cola/permits/1151781995_1617981755.5/0/netty-transport-native-epoll-4-1-63-final-sources-
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* /opt/cola/permits/1151781995_1617981755.5/0/netty-transport-native-epoll-4-1-63-final-sources-jar/netty_epoll_linuxsocket.h
* /opt/cola/permits/1151781995_1617981755.5/0/netty-transport-native-epoll-4-1-63-final-sources-jar/io/netty/channel/epoll/NativeStaticallyReferencedJniMethods.java
* /opt/cola/permits/1151781995_1617981755.5/0/netty-transport-native-epoll-4-1-63-final-sources-jar/io/netty/channel/epoll/LinuxSocket.java
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* /opt/cola/permits/1151781995_1617981755.5/0/netty-transport-native-epoll-4-1-63-final-sources-jar/io/netty/channel/epoll/EpollEventLoop.java
* /opt/cola/permits/1151781995_1617981755.5/0/netty-transport-native-epoll-4-1-63-final-sources-jar/io/netty/channel/epoll/Epoll.java
* /opt/cola/permits/1151781995_1617981755.5/0/netty-transport-native-epoll-4-1-63-final-sources-jar/io/netty/channel/epoll/EpollChannelOption.java
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* /opt/cola/permits/1151781995_1617981755.5/0/netty-transport-native-epoll-4-1-63-final-sources-jar/io/netty/channel/epoll/EpollEventLoopGroup.java
* /opt/cola/permits/1151781995_1617981755.5/0/netty-transport-native-epoll-4-1-63-final-sources-jar/io/netty/channel/epoll/EpollTcpInfo.java
* /opt/cola/permits/1151781995_1617981755.5/0/netty-transport-native-epoll-4-1-63-final-sources-jar/io/netty/channel/epoll/NativeDatagramPacketArray.java
* /opt/cola/permits/1151781995_1617981755.5/0/netty-transport-native-epoll-4-1-63-final-sources-jar/io/netty/channel/epoll/EpollServerSocketChannel.java
* /opt/cola/permits/1151781995_1617981755.5/0/netty-transport-native-epoll-4-1-63-final-sources-jar/io/netty/channel/epoll/EpollSocketChannel.java
* /opt/cola/permits/1151781995_1617981755.5/0/netty-transport-native-epoll-4-1-63-final-sources-jar/io/netty/channel/epoll/SegmentedDatagramPacket.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.
 */

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* /opt/cola/permits/1151781995_1617981755.5/0/netty-transport-native-epoll-4-1-63-final-sources-jar/io/netty/channel/epoll/EpollServerSocketChannelConfig.java

1.1932 trousers 0.3.14 2.el7

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1.1933 kubernetes-cliruntime v.21.0

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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.
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From e5a63c34a5c71fca25ae49a326c129fabaab8a3e Mon Sep 17 00:00:00 2001
From: Jan Chaloupka <jchaloup@redhat.com>
Date: Thu, 8 Oct 2015 13:40:35 +0200
Subject: [PATCH] add license

---
LICENSE | 23 +++++++++++++++++++++++
1 file changed, 23 insertions(+)
create mode 100644 LICENSE

diff --git a/LICENSE b/LICENSE
new file mode 100644
index 0000000..76edf5e
--- /dev/null
+++ b/LICENSE
@@ -0,0 +1,23 @@
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+
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+CAUSED AND ON ANY 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.
\No newline at end of file
--
1.9.3

Found in path(s):
* /opt/cola/permits/1116230315_1608144853.18/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-Ph1dIOKm/add-license.patch
No license file was found, but licenses were detected in source scan.

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Found in path(s):
* /opt/cola/permits/1116230315_1608144853.18/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-Ph1dIOKm/blas-80dca99229ccccac259b550ae3f755cf79c65a224.tar.gz-cosi-expand-archive-QrNiT3Kz/blas-80dca99229ccccac259b550ae3f755cf79c65a224/cgo/blas.go
No license file was found, but licenses were detected in source scan.

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Found in path(s):
* /opt/cola/permits/1116230315_1608144853.18/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-Ph1dIOKm/blas-80dca99229ccccac259b550ae3f755cf79c65a224.tar.gz-cosi-expand-archive-QrNiT3Kz/blas-80dca99229ccccac259b550ae3f755cf79c65a224/native/single_precision
No license file was found, but licenses were detected in source scan.

From a4d3ca0439cb62fe7110b0923e7f3e5186f38808 Mon Sep 17 00:00:00 2001
From: Jan Chaloupka <jchaloup@redhat.com>
Date: Thu, 8 Oct 2015 13:43:40 +0200
Subject: [PATCH] internal to inteernal

---
native/dgemm.go   | 2 +-  
native/general_single.go | 2 +-  
native/inteernal/math32/math.go | 113 +++++++++++++++++  
native/inteernal/math32/math_test.go | 226 ++++++++++++++++++++++++++++++++  
native/inteernal/math32/sqrt.go | 25 ++++  
native/inteernal/math32/sqrt_amd64.go | 20 +++  
native/inteernal/math32/sqrt_amd64.s | 20 +++  
native/internal/math32/math.go | 113 -----------  
native/internal/math32/math_test.go | 226 ++++++++++++++++++++++++  
native/internal/math32/sqrt.go | 25 ----  
native/internal/math32/sqrt_amd64.go | 20 ---  
native/internal/math32/sqrt_amd64.s | 20 ---  
native/level1double.go | 2 +-  
native/level1double_ddot.go | 2 +-  
native/level1single.go | 4 +-  
native/level1single_dsdot.go | 2 +-  
native/level1single_sdsdot.go | 2 +-  
native/level2double.go | 2 +-  
native/level2single.go | 2 +-  
native/level3double.go | 2 +-  
native/level3single.go | 2 +-  
native/sgemm.go | 2 +-  
23 files changed, 418 insertions(+), 418 deletions(-) 
create mode 100644 native/inteernal/math32/math.go  
create mode 100644 native/inteernal/math32/math_test.go  
create mode 100644 native/inteernal/math32/sqrt.go  
create mode 100644 native/inteernal/math32/sqrt_amd64.go  
create mode 100644 native/inteernal/math32/sqrt_amd64.s  
delete mode 100644 native/internal/math32/math.go  
delete mode 100644 native/internal/math32/math_test.go  
delete mode 100644 native/internal/math32/sqrt.go  
delete mode 100644 native/internal/math32/sqrt_amd64.go  
delete mode 100644 native/internal/math32/sqrt_amd64.s  

diff --git a/native/dgemm.go b/native/dgemm.go 
index 850f62c..8dc9920 100644  
--- a/native/dgemm.go  
+++ b/native/dgemm.go  
@@ -10,7 +10,7 @@ import (  
   "sync"  
   "github.com/gonum/blas"  
-"github.com/gonum/internal/asm"  
+"github.com/gonum/inteernal/asm"
// Dgemm computes
func newGeneral32(r, c int) general32 {
    // Copyright 2009 The Go Authors. All rights reserved.
    // Use of this source code is governed by a BSD-style
    // license that can be found in the LICENSE file.
    +
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    // license that can be found in the LICENSE file.
    +
    // Package math32 provides float32 versions of standard library math package
    // routines used by gonum/blas/native.
    +package math32
    +
    +import (  
        +"math"
    +)
    +
    +const (  
        +unan = 0x7fc00000  
        +uinf  = 0x7f800000  
        +uneinf = 0xff800000  
        +mask  = 0x7f8 >> 3  
        +shift = 32 - 8 - 1  
        +bias  = 127  
        +)
    +
    +// Abs returns the absolute value of x.
```go
// Special cases are:
// Abs(Inf) = +Inf
// Abs(NaN) = NaN
+func Abs(x float32) float32 {
  +switch {
  +case x < 0:
  +return -x
  +case x == 0:
  +return 0 // return correctly abs(-0)
  +}
  +return x
+}
+
// Copysign returns a value with the magnitude of x and the sign of y.
+func Copysign(x, y float32) float32 {
  +const sign = 1 << 31
  +return math.Float32frombits(math.Float32bits(x)&^sign | math.Float32bits(y)&sign)
  +}
+
// Hypot returns Sqrt(p*p + q*q), taking care to avoid unnecessary overflow and underflow.

// Special cases:
// Hypot(Inf, q) = +Inf
// Hypot(p, Inf) = +Inf
// Hypot(NaN, q) = NaN
// Hypot(p, NaN) = NaN
+func Hypot(p, q float32) float32 {
  +// special cases
  +switch {
  +case IsInf(p, 0) || IsInf(q, 0):
  +return Inf(1)
  +case IsNaN(p) || IsNaN(q):
  +return NaN()
  +}
  +if p < 0 {
  +p = -p
  +}
  +if q < 0 {
  +q = -q
  +}
  +if p < q {
  +p, q = q, p
  +}
  +if p == 0 {
  +return 0
  +}
```
+q = q / p
+return p * Sqrt(1+q*q)
+
+// Inf returns positive infinity if sign >= 0, negative infinity if sign < 0.
+func Inf(sign int) float32 {
+var v uint32
+if sign >= 0 {
+v = uinf
+} else {
+v = uneginf
+}
+return math.Float32frombits(v)
+
+// Inf returns positive infinity if sign >= 0, negative infinity if sign < 0.
+// If sign > 0, Inf reports whether f is positive infinity.
+// If sign < 0, Inf reports whether f is negative infinity.
+// If sign == 0, Inf reports whether f is either infinity.
+func IsInf(f float32, sign int) bool {
+// Test for infinity by comparing against maximum float.
+// To avoid the floating-point hardware, could use:
+//x := math.Float32bits(f);
+//return sign >= 0 && x == uinf || sign <= 0 && x == uneginf;
+return sign >= 0 && f > math.MaxFloat32 || sign <= 0 && f < -math.MaxFloat32
+}
+
+// isNaN reports whether f is an IEEE 754 "not-a-number" value.
+func isNaN(f float32) (is bool) {
+// IEEE 754 says that only NaNs satisfy f != f.
+// To avoid the floating-point hardware, could use:
+//x := math.Float32bits(f);
+//return uint32(x>>shift)&mask == mask && x != uinf && x != uneginf
+return f != f
+}
+
+// NaN returns an IEEE 754 "not-a-number" value.
+func NaN() float32 { return math.Float32frombits(unan) }

```
package math32

import (
    "math"
    "testing"
    "testing/quick"
    "github.com/gonum/floats"
)

const tol = 1e-7

func TestAbs(t *testing.T) {
    f := func(x float32) bool {
        y := Abs(x)
        return y == float32(math.Abs(float64(x)))
    }
    if err := quick.Check(f, nil); err != nil {
        t.Error(err)
    }
}

func TestCopySign(t *testing.T) {
    f := func(x struct{ X, Y float32 }) bool {
        y := Copysign(x.X, x.Y)
        return y == float32(math.Copysign(float64(x.X), float64(x.Y)))
    }
    if err := quick.Check(f, nil); err != nil {
        t.Error(err)
    }
}

func TestHypot(t *testing.T) {
    f := func(x struct{ X, Y float32 }) bool {
        y := Hypot(x.X, x.Y)
        if math.Hypot(float64(x.X), float64(x.Y)) > math.MaxFloat32 {
            return true
        }
        return floats.EqualWithinRel(float64(y), math.Hypot(float64(x.X), float64(x.Y)), tol)
    }
    if err := quick.Check(f, nil); err != nil {
        t.Error(err)
    }
}

func TestInf(t *testing.T) {
    if float64(Inf(1)) != math.Inf(1) || float64(Inf(-1)) != math.Inf(-1) {
```go
+func TestIsInf(t *testing.T) {
+    posInf := float32(math.Inf(1))
+    negInf := float32(math.Inf(-1))
+    if !IsInf(posInf, 0) || !IsInf(negInf, 0) || !IsInf(posInf, 1) || !IsInf(negInf, -1) || IsInf(posInf, -1) || IsInf(negInf, 1) {
+        t.Error("unexpected isInf value")
+    }
+    f := func(x struct {
+        F    float32
+        Sign int
+    }) bool {
+        y := IsInf(x.F, x.Sign)
+        return y == math.IsInf(float64(x.F), x.Sign)
+    }
+    if err := quick.Check(f, nil); err != nil {
+        t.Error(err)
+    }
+}
+
+func TestIsNaN(t *testing.T) {
+    f := func(x float32) bool {
+        y := IsNaN(x)
+        return y == math.IsNaN(float64(x))
+    }
+    if err := quick.Check(f, nil); err != nil {
+        t.Error(err)
+    }
+}
+
+func TestNaN(t *testing.T) {
+    if !math.IsNaN(float64(NaN())) {  
+        t.Errorf("float32(nan) is a number: %f", NaN())
+    }
+}
+
+func TestSqrt(t *testing.T) {
+    f := func(x float32) bool {
+        y := Sqrt(x)
+        if IsNaN(y) && IsNaN(sqrt(x)) {
+            return true
+        }
+        return floats.EqualWithinRel(float64(y), float64(sqrt(x)), tol)
+    }
+    if err := quick.Check(f, nil); err != nil {
+        t.Error(err)
+    }
+}
```
+} 
+} + 
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+// license that can be found in the LICENSE file. 
+ 
+// The original C code and the long comment below are 
+// from FreeBSD's /usr/src/lib/msun/src/e_sqrt.c and 
+// came with this notice. The go code is a simplified 
+// version of the original C. 
+// 
+// ============================================================== 
+// Copyright (C) 1993 by Sun Microsystems, Inc. All rights reserved. 
+// 
+// Developed at SunPro, a Sun Microsystems, Inc. business. 
+// Permission to use, copy, modify, and distribute this 
+// software is freely granted, provided that this notice 
+// is preserved. 
+// ============================================================== 
+// 
+// __ieee754_sqrt(x) 
+// Return correctly rounded sqrt. 
+// ============================================================== 
+// | Use the hardware sqrt if you have one | 
+// ============================================================== 
+// 
+// Method: 
+// Bit by bit method using integer arithmetic. (Slow, but portable) 
+// 1. Normalization 
+// Scale x to y in [1,4) with even powers of 2: 
+// find an integer k such that 1 <= (y=x*2**(2k)) < 4, then 
+// sqrt(x) = 2**k * sqrt(y) 
+// 2. Bit by bit computation 
+// Let q = sqrt(y) truncated to i bit after binary point (q = 1), 
+// i 
+// i+1 2 
+// s = 2*q , and y = 2 * ( y - q ). (1) 
+// i i i i 
+// 
+// To compute q from q , one checks whether 
+// i+1 i 
+// i+1 2 
+// (q + 2 ) <= y. (2) 
+// i 
+// 
+// If (2) is false, then q = q ; otherwise q = q + 2 . 
+// i+1 i i+1 i
With some algebraic manipulation, it is not difficult to see that (2) is equivalent to
\[ -(i+1) \]
\[ s + 2 \leq y \quad (3) \]

The advantage of (3) is that \( s_i \) and \( y_i \) can be computed by the following recurrence formula:

if (3) is false

\[ s_{i+1} = s_i, \quad y_{i+1} = y_i \quad (4) \]

otherwise,

\[ s_{i+1} = s_i + 2, \quad y_{i+1} = y_i - s_i - 2 \quad (5) \]

One may easily use induction to prove (4) and (5).

Note. Since the left hand side of (3) contain only \( i+2 \) bits, it does not necessary to do a full (53-bit) comparison in (3).

3. Final rounding

After generating the 53 bits result, we compute one more bit. Together with the remainder, we can decide whether the result is exact, bigger than 1/2ulp, or less than 1/2ulp (it will never equal to 1/2ulp).

The rounding mode can be detected by checking whether huge + tiny is equal to huge, and whether huge - tiny is equal to huge for some floating point number "huge" and "tiny".

```go
func sqrt(x float32) float32 {
    // special cases
    switch {
    case x == 0 || IsNaN(x) || IsInf(x, 1):
        return x
    case x < 0:
        return NaN()
    }
    ix := math.Float32bits(x)
    // normalize x
    exp := int((ix >> shift) & mask)
    if exp == 0 { // subnormal x
        for ix&1<<shift == 0 {
            ix <<= 1
            exp--
        }
    }
    ```
+exp--
+}
+exp -= bias // unbias exponent
+exp &= mask << shift
+ix |= 1 << shift
+if exp&1 == 1 { // odd exp, double x to make it even
+ix <<= 1
+}
+exp >>= 1 // exp = exp/2, exponent of square root
+// generate sqrt(x) bit by bit
+ix <<= 1
+var q, s uint32               // q = sqrt(x)
+r := uint32(1 << (shift + 1)) // r = moving bit from MSB to LSB
+for r != 0 {
+t := s + r
+if t <= ix {
+s = t + r
+ix = t
+q += r
+}
+ix <<= 1
+r >>= 1
+}
+// final rounding
+if ix != 0 { // remainder, result not exact
+q += q & 1 // round according to extra bit
+}
+ix = q>>1 + uint32(exp-1+bias)<<shift // significand + biased exponent
+return math.Float32frombits(ix)
+}

diff --git a/native/inteernal/math32/sqrt.go b/native/inteernal/math32/sqrt.go
new file mode 100644
index 0000000..058b731
--- /dev/null
+++ b/native/inteernal/math32/sqrt.go
@@ -0,0 +1,25 @@
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+// license that can be found in the LICENSE file.
+
+build !amd64 noasm
+
+package math32
+
+import (}
+"math"}
// Sqrt returns the square root of x.
//
// Special cases are:
//  Sqrt(+Inf) = +Inf
//  Sqrt(0) = 0
//  Sqrt(x < 0) = NaN
//  Sqrt(NaN) = NaN
func Sqrt(x float32) float32 {
  // FIXME(kortschak): Direct translation of the math package
  // asm code for 386 fails to build. No test hardware is available
  // for arm, so using conversion instead.
  return float32(math.Sqrt(float64(x)))
}

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// This file is auto-generated by math32gen.
// Do not edit. See $GOROOT/src/math32gen for details.

// Sqrt returns the square root of x.
//
// Special cases are:
//  Sqrt(+Inf) = +Inf
//  Sqrt(0) = 0
//  Sqrt(x < 0) = NaN
//  Sqrt(NaN) = NaN
func Sqrt(x float32) float32 {
  // FIXME(kortschak): Direct translation of the math package
  // asm code for 386 fails to build. No test hardware is available
  // for arm, so using conversion instead.
  return float32(math.Sqrt(float64(x)))

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+
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+
+//+build !noasm
+
+// TODO(kortschak): use textflag.h after we drop Go 1.3 support
+//#include "textflag.h"
+// Don't insert stack check preamble.
+/define NOSPLIT4
+
+/func Sqrt(x float32) float32
+/TEXT Sqrt(SB),NOSPLIT,$0
+SQRSS x+0(FP), X0
+MOVSS X0, ret+8(FP)
+RET

diff --git a/native/internal/math32/math.go b/native/internal/math32/math.go
deleted file mode 100644
index b33401b..0000000
--- a/native/internal/math32/math.go
+++ /dev/null
@@ -1,113 +0,0 @@
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-
-// Copyright 2015 The gonum Authors. All rights reserved.
-// Use of this source code is governed by a BSD-style
-// license that can be found in the LICENSE file.
-
-// Package math32 provides float32 versions of standard library math package
-// routines used by gonum/blas/native.
-package math32
-
-//import (  
-"math"
-)
-
-//const (  
-unnan  = 0x7fc00000  
-uminf  = 0x7f800000  
-uneuginf = 0xff800000  
-mask   = 0x7f8 >> 3  
-shift   = 32 - 8 - 1  
-bias    = 127
-)}
// Abs returns the absolute value of x.
//
// Special cases are:
// Abs(Inf) = +Inf
// Abs(NaN) = NaN
func Abs(x float32) float32 {
    switch {
    case x < 0:
        return -x
    case x == 0:
        return 0 // return correctly abs(-0)
    }
    return x
}

// Copysign returns a value with the magnitude
// of x and the sign of y.
func Copysign(x, y float32) float32 {
    const sign = 1 << 31
    return math.Float32frombits(math.Float32bits(x)&^sign | math.Float32bits(y)&sign)
}

// Hypot returns Sqrt(p*p + q*q), taking care to avoid
// unnecessary overflow and underflow.
//
// Special cases are:
// Hypot(Inf, q) = +Inf
// Hypot(p, Inf) = +Inf
// Hypot(NaN, q) = NaN
// Hypot(p, NaN) = NaN
func Hypot(p, q float32) float32 {
    // special cases
    switch {
    case IsInf(p, 0) || IsInf(q, 0):
        return Inf(1)
    case IsNaN(p) || IsNaN(q):
        return NaN()
    }
    if p < 0 {
        p = -p
    }
    if q < 0 {
        q = -q
    }
    if p < q {
        p, q = q, p
    }
if p == 0 {
    return 0
}
q = q / p
return p * Sqrt(1+q*q)

Inf returns positive infinity if sign >= 0, negative infinity if sign < 0.

func Inf(sign int) float32 {
    var v uint32
    if sign >= 0 {
        v = uinf
    } else {
        v = uneginf
    }
    return math.Float32frombits(v)
}

IsInf reports whether f is an infinity, according to sign.
// If sign > 0, IsInf reports whether f is positive infinity.
// If sign < 0, IsInf reports whether f is negative infinity.
// If sign == 0, IsInf reports whether f is either infinity.
func IsInf(f float32, sign int) bool {
    // Test for infinity by comparing against maximum float.
    // To avoid the floating-point hardware, could use:
    // /x := math.Float32bits(f);
    // /return sign >= 0 && x == uinf || sign <= 0 && x == uneginf;
    // /return sign >= 0 && f > math.MaxFloat32 || sign <= 0 && f < -math.MaxFloat32
    return sign >= 0 && f > math.MaxFloat32 || sign <= 0 && f < -math.MaxFloat32
}

IsNaN reports whether f is an IEEE 754 `not-a-number` value.

func IsNaN(f float32) (is bool) {
    // IEEE 754 says that only NaNs satisfy f != f.
    // To avoid the floating-point hardware, could use:
    // /x := math.Float32bits(f);
    // /return uint32(x>>shift)&mask == mask && x != uinf && x != uneginf
    return f != f
}

NaN returns an IEEE 754 `not-a-number` value.

func NaN() float32 { return math.Float32frombits(unan) }
package math32

import (
    "math"
    "testing"
    "testing/quick"
    "github.com/gonum/floats"
)

const tol = 1e-7

func TestAbs(t *testing.T) {
    f := func(x float32) bool {
        y := Abs(x)
        return y == float32(math.Abs(float64(x)))
    }
    if err := quick.Check(f, nil); err != nil {
        t.Error(err)
    }
}

func TestCopySign(t *testing.T) {
    f := func(x struct{ X, Y float32 }) bool {
        y := Copysign(x.X, x.Y)
        return y == float32(math.Copysign(float64(x.X), float64(x.Y)))
    }
    if err := quick.Check(f, nil); err != nil {
        t.Error(err)
    }
}

func TestHypot(t *testing.T) {
    f := func(x struct{ X, Y float32 }) bool {
        y := Hypot(x.X, x.Y)
        if math.Hypot(float64(x.X), float64(x.Y)) > math.MaxFloat32 {
            return true
        }
        return floats.EqualWithinRel(float64(y), math.Hypot(float64(x.X), float64(x.Y)), tol)
    }
    if err := quick.Check(f, nil); err != nil {
        t.Error(err)
    }
}
-func TestInf(t *testing.T) {
-if float64(Inf(1)) != math.Inf(1) || float64(Inf(-1)) != math.Inf(-1) {
-\t.Error("float32(inf) not infinite")
-}
-}
-
-f := func(x struct {
-F float32
-Sign int
-}) bool {
-\t\ty := IsInf(x.F, x.Sign)
-\treturn y == math.IsInf(float64(x.F), x.Sign)
-}
-\tif err := quick.Check(f, nil); err != nil {
-\t.Error(err)
-}
-}
-
-...
-if err := quick.Check(f, nil); err != nil {
-    t.Error(err)
-}
-
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-// license that can be found in the LICENSE file.
-
-// The original C code and the long comment below are
-// from FreeBSD's /usr/src/lib/msun/src/e_sqrt.c and
-// came with this notice. The go code is a simplified
-// version of the original C.
-
-// ====================================================
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-// ====================================================
-// __ieee754_sqrt(x)
-// Return correctly rounded sqrt.
-//               _______________
-//               | Use the hardware sqrt if you have one |
-// Method:
-//   Bit by bit method using integer arithmetic. (Slow, but portable)
-// 1. Normalization
-//   Scale x to y in [1,4) with even powers of 2:
-//   find an integer k such that 1 <= (y=x*2**(2k)) < 4, then
-//   sqrt(x) = 2**k * sqrt(y)
-// 2. Bit by bit computation
-//   Let q = sqrt(y) truncated to i bit after binary point (q = 1),
-//   i
-//      i+1  2
-//      s = 2*q, and y = 2  * ( y - q ). (1)
-//   i  i    i
-//   To compute q   from q , one checks whether
-//   i+1  i
-//   -(i+1) 2
-//   (q + 2  ) <= y. (2)
-//   i
-//   -(i+1)
If (2) is false, then $q_{i+1} = q_i$; otherwise $q_{i+1} = q_i + 2$.

With some algebraic manipulation, it is not difficult to see that (2) is equivalent to

$$-(i+1) \leq y_i$$

The advantage of (3) is that $s_i$ and $y_i$ can be computed by

the following recurrence formula:

if (3) is false

$$s_{i+1} = s_i, \quad y_{i+1} = y_i;$$

otherwise,

$$s_{i+1} = s_i + 2, \quad y_{i+1} = y_i - s_i - 2$$

One may easily use induction to prove (4) and (5).

Note. Since the left hand side of (3) contain only $i+2$ bits, it does not necessary to do a full (53-bit) comparison in (3).

3. Final rounding

After generating the 53 bits result, we compute one more bit.

Together with the remainder, we can decide whether the result is exact, bigger than 1/2ulp, or less than 1/2ulp (it will never equal to 1/2ulp).

The rounding mode can be detected by checking whether huge + tiny is equal to huge, and whether huge - tiny is equal to huge for some floating point number "huge" and "tiny".

```c
func sqrt(x float32) float32 {
    // special cases
    switch {
    case x == 0 || IsNaN(x) || IsInf(x, 1):
        return x
    case x < 0:
        return NaN()
    ...
    }
    ix := math.Float32bits(x)
    // normalize x
    exp := int((ix >> shift) & mask)
    if exp == 0 { // subnormal x
        for ix&1<shift == 0 {
```
\[-ix <<= 1\]
\[-exp--\]
\{-
\[-exp++\]
\{
\[-exp - bias // unbias exponent\]
\[-ix &^= mask << shift\]
\[-ix |= 1 << shift\]
\{-if exp&1 == 1 { // odd exp, double x to make it even\]
\[-ix <<= 1\]
\{-\]
\[-exp >>= 1 // exp = exp/2, exponent of square root\]
\{-/ generate sqrt(x) bit by bit\]
\[-ix <<= 1\]
\{-var q, s uint32               // q = sqrt(x)\]
\[-r := uint32(1 << (shift + 1)) // r = moving bit from MSB to LSB\]
\{-for r != 0 {\]
\[-t := s + r\]
\{-if t <= ix {\]
\[-s = t + r\]
\[-ix -= t\]
\[-q += r\]
\{-\}
\[-ix <<= 1\]
\[-r >>= 1\]
\{-\]
\{-/ final rounding\]
\{-if ix != 0 { // remainder, result not exact\]
\[-q += q & 1 // round according to extra bit\]
\{-\]
\[-ix = q>>1 + uint32(exp-1+bias)<<shift // significand + biased exponent\]
\{-return math.Float32frombits(ix)\]
\{-\]
\}
func Sqrt(x float32) float32 {
    return float32(math.Sqrt(float64(x)))
}
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-/+build !noasm

-// TODO(kortschak): use textflag.h after we drop Go 1.3 support
-/#include "textflag.h"
-// Don't insert stack check preamble.
-#define NOSPLIT4

-// func Sqrt(x float32) float32
-TEXT Sqrt(SB),NOSPLIT,$0
-SQRTSS x+0(FP), X0
-MOVSS X0, ret+8(FP)
-RET

diff --git a/native/level1double.go b/native/level1double.go
index 0d77243..65f2972 100644
--- a/native/level1double.go
+++ b/native/level1double.go
@@ -8,7 +8,7 @@ import (  
 "math"
-    "github.com/gonum/blas"
-    "github.com/gonum/internal/asm"
+    "github.com/gonum/inteernal/asm"
 )

 var _ blas.Float64Level1 = Implementation{}

diff --git a/native/level1double_ddot.go b/native/level1double_ddot.go
index 7af4e04..84a16ed 100644
--- a/native/level1double_ddot.go
+++ b/native/level1double_ddot.go
@@ -5,7 +5,7 @@ package native

 import (  
-    "github.com/gonum/internal/asm"
+    "github.com/gonum/inteernal/asm"
 )

 // Ddot computes the dot product of the two vectors

diff --git a/native/level1single.go b/native/level1single.go
index 6bcba83..63ea2ce 100644
--- a/native/level1single.go
+++ b/native/level1single.go
@@ -7,10 +7,10 @@
 package native

 import (  
 -math "github.com/gonum/blas/native/internal/math32"
+math "github.com/gonum/blas/native/internal/math32"

 "github.com/gonum/blas"
 -"github.com/gonum/internal/asm"
+"github.com/gonum/internal/asm"
 )

 var _ blas.Float32Level1 = Implementation{}

diff --git a/native/level1single_dsdot.go b/native/level1single_dsdot.go
index 4665a01..a438155 100644
--- a/native/level1single_dsdot.go
+++ b/native/level1single_dsdot.go
@@ -7,7 +7,7 @@
 package native

 import (  
 -"github.com/gonum/internal/asm"
+"github.com/gonum/internal/asm"
 )

 // Dsdot computes the dot product of the two vectors

diff --git a/native/level1single_sdot.go b/native/level1single_sdot.go
index 1e5b565..7d96b74 100644
--- a/native/level1single_sdot.go
+++ b/native/level1single_sdot.go
@@ -7,7 +7,7 @@
 package native

 import (  
 -"github.com/gonum/internal/asm"
+"github.com/gonum/internal/asm"
 )

 // Sdot computes the dot product of the two vectors
import (  
  "github.com/gonum/internal/asm"
  
  "github.com/gonum/blas"
  
  "github.com/gonum/inteernal/asm"
  
  )

// Sdsdot computes the dot product of the two vectors plus a constant

var _ blas.Float64Level2 = Implementation{ }

var _ blas.Float32Level2 = Implementation{ }

var _ blas.Float64Level3 = Implementation{ }

var _ blas.Float32Level3 = Implementation{ }

Open Source Used In ND-NODE v2.1.2b  22966
+++ b/native/level3single.go
@@ -8,7 +8,7 @@ package native

import (  
    "github.com/gonum/blas"
-    "github.com/gonum/internal/asm"
+    "github.com/gonum/inteernal/asm"
 )

var _ blas.Float32Level3 = Implementation{}  

diff --git a/native/sgemm.go b/native/sgemm.go
index 047d4e5..0387945 100644
--- a/native/sgemm.go
+++ b/native/sgemm.go
@@ -12,7 +12,7 @@ import (  
    "sync"
-    "github.com/gonum/blas"
-    "github.com/gonum/internal/asm"
+    "github.com/gonum/inteernal/asm"
 )

 // Sgemm computes
--
1.9.3

Found in path(s):
* /opt/cola/permits/1116230315_1608144853.18/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-Ph1dI0Km/internal-to-inteernal.patch
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* /opt/cola/permits/1116230315_1608144853.18/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-Ph1dI0Km/blas-80dca99229ccca259b550ae3f755cf79c65a224.tar.gz-cosi-expand-archive-QrNiT3Kz/blas-80dca99229ccca259b550ae3f755cf79c65a224/native/internal/math32/sqrt_amd64.s
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* /opt/cola/permits/1116230315_1608144853.18/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-Ph1dIOKm/blas-80dca99229ccca259b550ae3f755cf79c65a224.tar.gz-cosi-expand-archive-QrNiT3Kz/blas-80dca99229ccca259b550ae3f755cf79c65a224/blas64/blas64.go
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* /opt/cola/permits/1116230315_1608144853.18/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-Ph1dIOKm/blas-80dca99229ccca259b550ae3f755cf79c65a224.tar.gz-cosi-expand-archive-QrNiT3Kz/blas-80dca99229ccca259b550ae3f755cf79c65a224/native/level3double.go
* /opt/cola/permits/1116230315_1608144853.18/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-Ph1dIOKm/blas-80dca99229ccca259b550ae3f755cf79c65a224.tar.gz-cosi-expand-archive-QrNiT3Kz/blas-80dca99229ccca259b550ae3f755cf79c65a224/native/level2single.go
* /opt/cola/permits/1116230315_1608144853.18/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-Ph1dIOKm/blas-80dca99229ccca259b550ae3f755cf79c65a224.tar.gz-cosi-expand-archive-QrNiT3Kz/blas-80dca99229ccca259b550ae3f755cf79c65a224/native/pardgemm_test.go
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* /opt/cola/permits/1116230315_1608144853.18/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-Ph1dIOKm/blas-80dca99229ccca259b550ae3f755cf79c65a224.tar.gz-cosi-expand-archive-QrNiT3Kz/blas-80dca99229ccca259b550ae3f755cf79c65a224/native/dgemm.go

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1.1945 pycparser 2.20

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pycparser -- A C parser in Python

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1.1946 x-crypto 0.0.0-20190820162420-60c769a6c586

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1.1947 runc 1.0.0-rc93

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    http://code.google.com/p/libdnet/
  o PCRE: Perl-compatible regular expressions. PCRE is part of Nmap's version detection and is also made available as an NSE library. Distributed with Nmap in the libpcre subdirectory.
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    http://www.lua.org/
  o OpenSSL: Cryptographic library. OpenSSL is used by service detection and by NSE to connect to SSL services. NSE also provides access to OpenSSL functions such as encryption and digest calculation. OpenSSL can be disabled by configuring with the --without-openssl configuration directive.
    http://www.openssl.org/
  o LIBLINEAR. Used for IPv6 OS classification.
    http://www.csie.ntu.edu.tw/~cjlin/liblinear/
  o libsvn. The Subversion library, used by the updater program nmap-update.
    http://subversion.apache.org/

On Windows only, Nmap uses:
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distributed with Nmap in the subdirectory mswin32/winpcap.
http://www.winpcap.org/

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Zenmap and Ndiff require:
- Python. The binary distributions of Nmap include a Python interpreter
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Written by: Philip Hazel
Email local part: ph10
Email domain: cam.ac.uk

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its purpose remains meaningful.

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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,
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1.1959 go-openapi-jsonpointer 0.19.5

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jar/io/netty/resolver/DefaultAddressResolverGroup.java
* /opt/cola/permits/1177956813_1625584640.81/0/netty-resolver-4.1.48-final-sources-3-
jar/io/netty/resolver/HostsFileEntriesResolver.java
* /opt/cola/permits/1177956813_1625584640.81/0/netty-resolver-4.1.48-final-sources-3-
jar/io/netty/resolver/DefaultHostsFileEntriesResolver.java
* /opt/cola/permits/1177956813_1625584640.81/0/netty-resolver-4.1.48-final-sources-3-
jar/io/netty/resolver/AbstractAddressResolver.java
* /opt/cola/permits/1177956813_1625584640.81/0/netty-resolver-4.1.48-final-sources-3-
jar/io/netty/resolver/DefaultHostsFileEntriesResolver.java
* /opt/cola/permits/1177956813_1625584640.81/0/netty-resolver-4.1.48-final-sources-3-
jar/io/netty/resolver/AddressResolver.java
* /opt/cola/permits/1177956813_1625584640.81/0/netty-resolver-4.1.48-final-sources-3-
jar/io/netty/resolver/CompositeNameResolver.java
* /opt/cola/permits/1177956813_1625584640.81/0/netty-resolver-4.1.48-final-sources-3-
jar/io/netty/resolver/HostsFileParser.java
* /opt/cola/permits/1177956813_1625584640.81/0/netty-resolver-4.1.48-final-sources-3-
jar/io/netty/resolver/InetSocketAddressResolver.java
* /opt/cola/permits/1177956813_1625584640.81/0/netty-resolver-4.1.48-final-sources-3-
jar/io/netty/resolver/SimpleNameResolver.java
* /opt/cola/permits/1177956813_1625584640.81/0/netty-resolver-4.1.48-final-sources-3-
jar/io/netty/resolver/NoopAddressResolverGroup.java
* /opt/cola/permits/1177956813_1625584640.81/0/netty-resolver-4.1.48-final-sources-3-
jar/io/netty/resolver/NoopAddressResolverGroup.java
* /opt/cola/permits/1177956813_1625584640.81/0/netty-resolver-4.1.48-final-sources-3-
jar/io/netty/resolver/package-info.java

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* /opt/cola/permits/1177956813_1625584640.81/0/netty-resolver-4.1.48-final-sources-3-jar/io/netty/resolver/HostsFileEntries.java
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* /opt/cola/permits/1177956813_1625584640.81/0/netty-resolver-4.1.48-final-sources-3-
  jar/io/netty/resolver/RoundRobinInetAddressResolver.java

1.1967 kube-openapi 0.0.0-20200121204235-bf4fb3bd569c

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package spec

import "testing"

func TestIntegrationLicense(t *testing.T) {
  license := License{Name: "the name", URL: "the url"}
  const licenseJSON = `{"name":"the name","url":"the url"}`
  const licenseYAML = `name: the name
url: the url`
}
assertSerializeJSON(t, license, licenseJSON)
assertParsesJSON(t, licenseJSON, license)
}

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package spec

// License information for the exposed API.

// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
    Name string `json:"name,omitempty"
    URL string `json:"url,omitempty"
}

1.1968 coreutils 8.22 15.el7_2.1
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* javax.servlet:javax.servlet-api
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* 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
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

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

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.

1.1975 jcutils-core 3.0.0
1.1975.1 Available under license:

No license file was found, but licenses were detected in source scan.

<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/maven-v4_0_0.xsd"
<configuration>
    <instructions>
        <Import-Package>sun.misc;resolution:=optional</Import-Package>
    </instructions>
</configuration>

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    <artifactId>maven-source-plugin</artifactId>
    <version>3.2.0</version>
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        <execution>
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            <phase>verify</phase>
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                <goal>jar-no-fork</goal>
            </goals>
        </execution>
    </executions>
</plugin>

<plugin>
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    <artifactId>maven-javadoc-plugin</artifactId>
    <version>3.1.1</version>
    <configuration>
        <additionalOptions>
            <additionalOption>-Xdoclint:none</additionalOption>
        </additionalOptions>
        <source>8</source>
    </configuration>
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                <goal>jar</goal>
            </goals>
        </execution>
    </executions>
</plugin>

<distributionManagement>
    <repository>
        <id>bintray-jctools-jctools</id>
        <name>jctools-jctools</name>
        <url>https://api.bintray.com/maven/jctools/jctools/jctools-core;publish=1</url>
    </repository>
</distributionManagement>
<maven.compiler.testSource>${java.test.version}</maven.compiler.testSource>
<maven.compiler.testTarget>${java.test.version}</maven.compiler.testTarget>

<hamcrest.version>1.3</hamcrest.version>
<junit.version>4.12</junit.version>
<guava-testlib.version>21.0</guava-testlib.version>
</properties>
</project>

Found in path(s):
* /opt/cola/permits/1177956791_1625584358.42/0/jctools-core-3.0.0-5-jar/META-INF/maven/org.jctools/jctools-core/pom.xml
No license file was found, but licenses were detected in source scan.

Manifest-Version: 1.0
Bnd-LastModified: 1578049665284
Build-Jdk: 1.8.0_232
Built-By: yak
Bundle-Description: Java Concurrency Tools Core Library
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt
Bundle-ManifestVersion: 2
Bundle-Name: Java Concurrency Tools Core Library
Bundle-SymbolicName: org.jctools.core
Bundle-Version: 3.0.0
Created-By: Apache Maven Bundle Plugin
Export-Package: org.jctools.maps;version="3.0.0",org.jctools.util;version="3.0.0",org.jctools.queues.spec;version="3.0.0",org.jctools.queues.spec;version="3.0.0",org.jctools.queues.atomic;version="3.0.0";
Import-Package: sun.misc;resolution:=optional
Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.6))"
Tool: Bnd-4.2.0.201903051501

Found in path(s):
* /opt/cola/permits/1177956791_1625584358.42/0/jctools-core-3.0.0-5-jar/META-INF/MANIFEST.MF

1.1976 libxml 2.9.1-7.el7_9.0atomix2
1.1976.1 Available under license:

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1.1977 perks 1.0.1

1.1977.1 Available under license:

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1.1978 spring-boot-starter-json

2.2.6.RELEASE
1.1978.1 Available under license:
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Found in path(s):

1.1979 youtube-vitess 2.1.1+incompatible
1.1979.1 Available under license:
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1.1980 fdisk 2.34.0
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package api

import (
    "bytes"
    "io/ioutil"
    "os"
    "path/filepath"
    "regexp"
    "testing"
)

// Files in this package use a BSD-style license.
var sentinel = regexp.MustCompile(`(//|#) Copyright \d\d\d\d (Google LLC|The Go Authors)(\.)*( All rights reserved\.)*\n(//|#) Use of this source code is governed by a BSD-style
(//|#) license that can be found in the LICENSE file.\n\n`) const prefix = "// Copyright"

// A few files have to be skipped.
var skip = map[string]bool{
  "tools.go": true, // This file requires another comment above the license.
  "internal/third_party/uritemplates/uritemplates.go": true, // This file is licensed to an individual.
  "internal/third_party/uritemplates/uritemplates_test.go": true, // This file is licensed to an individual.
}
func TestLicense(t *testing.T) {
    err := filepath.Walk(".", func(path string, fi os.FileInfo, err error) error {
        if skip[path] {
            return nil
        }

        if err != nil {
            return err
        }

        if filepath.Ext(path) != ".go" && filepath.Ext(path) != ".sh" {
            return nil
        }

        src, err := ioutil.ReadFile(path)
        if err != nil {
            return nil
        }

        // Verify that the license is matched.
        if !sentinel.Match(src) {
            t.Errorf("%v: license header not present", path)
            return nil
        }

        // Also check it is at the top of .go files (but not .sh files, because they must have a shebang first).
        if filepath.Ext(path) == ".go" && !bytes.HasPrefix(src, []byte(prefix)) {
            t.Errorf("%v: license header not at the top", path)
        }
        return nil
    })
    if err != nil {
        t.Fatal(err)
    }
}

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The core team:

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1.1985 twmb-franz-go 0.6.12

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1.1986 jackson-databind 2.12.1

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1.1987 openssl 1.0.2v.6.2.381-
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* /opt/cola/permits/1177939619_1625570713.75/0/springfox-swagger2-2-9-2-sources-3-jar/springfox/documentation/swagger2/mappers/SecuritySchemeFactory.java
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  jar/springfox/documentation/swagger2/mappers/EnumMapper.java
* /opt/cola/permits/1177939619_1625570713.75/0/springfox-swagger2-2-9-2-sources-3-
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1.1990 jersey-container-servlet 2.31

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1.1994 llvm 3.6.2-2.el7
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; RUN: llc -mtriple=s390x-linux-gnu -mcpu=zEC12 -verify-machineinstrs | FileCheck %s
;
; Test that early if conversion produces LOCR with operands of the right
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  
%S1163 = select i1 %Cmp56, i8 %L34, i8 undef  
br i1 undef, label %CF246, label %CF248  
CF248:  
; preds = %CF248, %CF246  
store i8 %S1163, i8* %0  
br label %CF248  
}  
; NOTE: Assertions have been autogenerated by utils/update_llc_test_checks.py  
; RUN: llc < %s -mtriple=x86_64-unknown-unknown -mattr=avx512vl,avx512bw,avx512dq,prefer-256-bit |  
FileCheck %s  
; This file primarily contains tests for specific places in X86ISelLowering.cpp that needed be made aware of the  
legalizer not allowing 512-bit vectors due to prefer-256-bit even though AVX512 is enabled.  

define void @add256(<16 x i32>* %a, <16 x i32>* %b, <16 x i32>* %c) "min-legal-vector-width"="256" {  
; CHECK-LABEL: add256:  
; CHECK:       # %bb.0:  
; CHECK-NEXT:   vmovdqa (%rdi), %ymm0  
; CHECK-NEXT:   vmovdqa 32(%rdi), %ymm1  
; CHECK-NEXT:   vpadd (%rsi), %ymm0, %ymm0  
; CHECK-NEXT:   vpadd 32(%rsi), %ymm1, %ymm1  
; CHECK-NEXT:   vmovdqa64 %ymm0, 32(%rdx)  
; CHECK-NEXT:   vmovdqa64 %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" {  
; CHECK-LABEL: add512:  
; CHECK:       # %bb.0:  
; CHECK-NEXT:   vmovdqa64 (%rdi), %zmm0  
; CHECK-NEXT:   vpadd (%rsi), %zmm0, %zmm0  
; CHECK-NEXT:   vmovdqa64 %zmm0, (%rdx)  
}
define void @avg_v64i8_256(<64 x i8>* %a, <64 x i8>* %b) "min-legal-vector-width"="256" {
  ; CHECK-LABEL: avg_v64i8_256:
  ; CHECK:       # %bb.0:
  ; CHECK-NEXT:    vmovdqa (%rsi), %ymm0
  ; CHECK-NEXT:    vmovdqa 32(%rsi), %ymm1
  ; CHECK-NEXT:    vpavgb (%rdi), %ymm0, %ymm0
  ; CHECK-NEXT:    vpavgb 32(%rdi), %ymm1, %ymm1
  ; CHECK-NEXT:    vmovdqu %ymm1, (%rax)
  ; CHECK-NEXT:    vmovdqu %ymm0, (%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, %i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1
  %6 = add nuw nsw <64 x i32> %5, %i32 1, i32 1, i32 1, i32 1, i32 1, i32 1
  %7 = lshr <64 x i32> %6, %i32 1
  %8 = trunc <64 x i32> %7 to <64 x i8>
  store <64 x i8> %8, <64 x i8>* undef, align 4
  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:    vmovdqqu %zmm1, (%rax)
  ; CHECK-NEXT:    vzeroupper
  ; CHECK-NEXT:    retq
  %1 = load <64 x i8>, <64 x i8>* %a
define void @pmaddwd_32_256(<32 x i16>* %APtr, <32 x i16>* %BPtr, <16 x i32>* %CPtr) "min-legal-vector-width"="256" {
    ; CHECK-LABEL: pmaddwd_32_256:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:    vmovdqa (%rdi), %ymm0
    ; CHECK-NEXT:    vmovdqa 32(%rdi), %ymm1
    ; CHECK-NEXT:    vpmaddwd (%rsi), %ymm0, %ymm0
    ; CHECK-NEXT:    vpmaddwd 32(%rsi), %ymm1, %ymm1
    ; CHECK-NEXT:    vmovdqa %ymm1, 32(%rdx)
    ; CHECK-NEXT:    vmovdqa %ymm0, (%rdx)
    ; CHECK-NEXT:    vzeroupper
    ; CHECK-NEXT:    retq
    %A = load <32 x i16>, <32 x i16>* %APtr
    %B = load <32 x i16>, <32 x i16>* %BPtr
    %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>* undef, align 4
    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

}
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:  vmovdqa32 (%rdi), %ymm1  
; CHECK-NEXT:  vpsubusb (%rsi), %ymm0, %ymm0  
; CHECK-NEXT:  vpsubusb32 (%rsi), %ymm0, %ymm0  
; CHECK-NEXT:  vmovdqa64 %ymm0, (%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  
}
%x = load <64 x i8>, <64 x i8>* %xptr
%y = load <64 x i8>, <64 x i8>* %y.ptr
%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:
   # %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:    vpmovsxhw (%rdi,%rcx), %ymm3
   CHECK-NEXT:    vpmovsxhw 16(%rdi,%rcx), %ymm4
   CHECK-NEXT:    vpmovsxhw (%rsi,%rcx), %ymm5
   CHECK-NEXT:    vpmaddwd %ymm3, %ymm5, %ymm3
   CHECK-NEXT:    vpmaddwd %ymm1, %ymm1, %ymm1
   CHECK-NEXT:    vpmaddwd %ymm2, %ymm2, %ymm2
   CHECK-NEXT:    addq $32, %rcx
   CHECK-NEXT:    cmpq %rcx, %rax
   CHECK-NEXT:    jne .LBB8_1
   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 %ymm1, %ymm0, %ymm0
   CHECK-NEXT:    vpshufd {{.*#+}} xmm1 = xmm0[2,3,0,1]
   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* %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>
%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 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>
%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 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 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, 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 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 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>
%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 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 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>
%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:
; CHECK:     # %bb.0: # %entry
; CHECK-NEXT: movl %edx, %eax
; CHECK-NEXT: vpxor %xmm0, %xmm0, %xmm0
; CHECK-NEXT: xorl %ecx, %ecx
; CHECK-NEXT: vpxor %xmm1, %xmm1, %xmm1
; CHECK-NEXT: .p2align 4, 0x90
; CHECK-NEXT: .LBB9_1: # %vector.body
; CHECK-NEXT: # =>This Inner Loop Header: Depth=1
; CHECK-NEXT: vpmovsxbw (%rdi,%rcx), %zmm2
; CHECK-NEXT: vpmovsxbw (%rsi,%rcx), %zmm3
; CHECK-NEXT: vpmaddwd %zmm2, %zmm3, %zmm2
; CHECK-NEXT: vpaddd %zmm1, %zmm2, %zmm1
; CHECK-NEXT: addq $32, %rcx
; CHECK-NEXT: cmpq %rcx, %rax
; CHECK-NEXT: jne .LBB9_1
; CHECK-NEXT: # %bb.2: # %middle.block
; CHECK-NEXT: vpaddd %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 %zmm1, %zmm0, %zmm0
; CHECK-NEXT: vpaddd %zmm1, %zmm0, %zmm0
; CHECK-NEXT: vmovd %xmm0, %eax
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq

entry:
%3 = zext i32 %2 to i64
br label %vector.body

vector.body:
%index = phi i64 [ %index.next, %vector.body ], [ 0, %entry ]
%vec.phi = phi <32 x i32> [ %11, %vector.body ], [ zeroinitializer, %entry ]
%4 = getelementptr inbounds i8, i8* %0, i64 %index
%5 = bitcast i8* %4 to <32 x i8>*
%wide.load = load <32 x i8>, <32 x i8>* %5, align 1
%6 = sext <32 x i8> %wide.load to <32 x i32>
%7 = getelementptr inbounds i8, i8* %0, i64 %index
%8 = bitcast i8* %7 to <32 x i8>*
%wide.load14 = load <32 x i8>, <32 x i8>* %8, align 1
%9 = sext <32 x i8> %wide.load14 to <32 x i32>
%10 = mul nsw <32 x i32> %9, %6
%11 = add nsw <32 x i32> %10, %vec.phi
%index.next = add i64 %index, 32
%12 = icmp eq i64 %index.next, %3
br i1 %12, label %middle.block, label %vector.body

middle.block:
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, 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>
    %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:
    %.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>
    %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, 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> undef, 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, %xmm1
  ; 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:    vpaddd %zmm1, %zmm0, %zmm0
  ; CHECK-NEXT:    vpshufd {{.*#+}} xmm1 = xmm0[2,3,0,1]
  ; CHECK-NEXT:    vpaddd %zmm1, %zmm0, %zmm0
  ; CHECK-NEXT:    vpshufd {{.*#+}} xmm1 = xmm0[1,1,2,3]
  ; CHECK-NEXT:    vpaddd %zmm1, %zmm0, %zmm0
  ; CHECK-NEXT:    vpaddd %zmm1, %zmm0, %zmm0
  ; 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 0 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 0 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>
%8 = sub nsw <16 x i32> zeroinitializer, %6
%9 = select <16 x i1> %7, <16 x i32> %6, <16 x i32> %8
%10 = add nsw <16 x i32> %9, %vec.phi
%index.next = add i64 %index, 4
%11 = icmp eq i64 %index.next, 1024
br i1 %11, label %middle.block, label %vector.body
middle.block:
%.lcssa = phi <16 x i32> [ %10, %vector.body ]
%bin.rdx = add <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>
%rdx.shuf = shufflevector <16 x i32> %bin.rdx, <16 x i32> undef, <16 x i32> <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 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%rdx.shuf2 = shufflevector <16 x i32> %bin.rdx, <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>
%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> %10, %bin.rdx2, %rdx.shuf3
%rdx.shuf4 = shufflevector <16 x i32> %bin.rdx3, <16 x i32> undef, <16 x i32> <i32 1, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx4 = add <16 x i32> %bin.rdx3, %rdx.shuf4
%12 = extractelement <16 x i32> %bin.rdx4, i32 0
ret i32 %12
}
define void @sbto16f32_256(<16 x i16> %a, <16 x float>* %res) "min-legal-vector-width"="256" { ; CHECK-LABEL: sbto16f32_256: ; CHECK: # %bb.0: ; CHECK-NEXT: vpmovw2m %ymm0, %k0 ; CHECK-NEXT: kshiftrw $8, %k0, %k1 ; CHECK-NEXT: vpmovm2d %k1, %ymm0 ; CHECK-NEXT: vcvtdq2ps %ymm0, %ymm0 ; CHECK-NEXT: vpmovm2d %k0, %ymm1 ; CHECK-NEXT: vcvtdq2ps %ymm1, %ymm1 ; CHECK-NEXT: vmovaps %ymm1, (%rdi) ; CHECK-NEXT: vmovaps %ymm0, 32(%rdi) ; CHECK-NEXT: vzeroupper ; CHECK-NEXT: retq ; CHECK-NEXT: %mask = icmp slt <16 x i16> %a, zeroinitializer ; CHECK-NEXT: %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:   vcvtv2ps %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:   vcvtv2pd %xmm0, %ymm1
 ; CHECK-NEXT:   vextracti128 $1, %ymm0, %xmm0
 ; CHECK-NEXT:   vcvtv2pd %xmm0, %ymm0
 ; CHECK-NEXT:   vpmovm2d %k0, %ymm2
 ; CHECK-NEXT:   vcvtv2pd %xmm2, %ymm3
 ; CHECK-NEXT:   vextracti128 $1, %ymm2, %xmm2
 ; CHECK-NEXT:   vcvtv2pd %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 = 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

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: vpmovm2d %k0, %ymm0
 ; CHECK-NEXT: vpsrld $31, %ymm0, %ymm0
 ; CHECK-NEXT: vcvtq2pd %xmm0, %ymm1
 ; CHECK-NEXT: vextracti128 $1, %ymm0, %xmm0
 ; CHECK-NEXT: vcvtq2pd %xmm0, %ymm0
 ; CHECK-NEXT: vpmovm2d %k0, %ymm2
 ; CHECK-NEXT: vpsrld $31, %ymm2, %ymm2
 ; CHECK-NEXT: vcvtq2pd %xmm0, %ymm3
 ; CHECK-NEXT: vextracti128 $1, %ymm2, %xmm2
 ; CHECK-NEXT: vcvtq2pd %xmm2, %ymm2
 ; CHECK-NEXT: vmovaps %ymm2, 32(%rdi)
 ; CHECK-NEXT: vmovaps %ymm3, (%rdi)
 ; CHECK-NEXT: vmovaps %ymm0, 96(%rdi)
 ; CHECK-NEXT: vmovaps %ymm1, 64(%rdi)
 ; CHECK-NEXT: vzeroupper
 ; CHECK-NEXT: retq
 %mask = icmp slt <16 x i16> %a, zeroinitializer
 %1 = uitofp <16 x i1> %mask to <16 x double>
 store <16 x double> %1, <16 x double>* %res
 ret void
}

define void @ubto16f64_512(<16 x i16> %a, <16 x double>* %res) "min-legal-vector-width"="512" {
 ; 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: vcvtq2pd %ymm0, %zmm1
 ; CHECK-NEXT: vextracti64x4 $1, %zmm0, %zmm0
 ; CHECK-NEXT: vcvtq2pd %zmm0, %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 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: vcvtpps2dq (%rdi), %ymm1
    ; CHECK-NEXT: vpslld $31, %ymm1, %ymm1
    ; CHECK-NEXT: vpmovd2m %ymm1, %k0
    ; CHECK-NEXT: vcvtpps2dq 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> zeroinitializer
    ret <16 x i16> %select
}

define <16 x i16> @test_16f32toub_512(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-width"="512" {
    ; CHECK-LABEL: test_16f32toub_512:
    ; CHECK:      # %bb.0:
    ; CHECK-NEXT: vcvtpps2dq (%rdi), %zmm1
    ; CHECK-NEXT: vpslld $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> 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: vcvtpps2dq (%rdi), %ymm1
    ; CHECK-NEXT: vpmovd2m %ymm1, %k0
    ; CHECK-NEXT: vcvtpps2dq 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_16f32tositb_512(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-width"="512" { ; CHECK-LABEL: test_16f32tositb_512: ; CHECK:    # %bb.0:
    ; CHECK-NEXT:    vcvtzps2dq (%rdi), %zmm1
    ; CHECK-NEXT:    vpmovd2m %zmm1, %k1
    ; CHECK-NEXT:    vmovdqu16 %ymm0, %ymm0 [%k1] [z]
    ; CHECK-NEXT:    retq
    %a = load <16 x float>, <16 x float>* %ptr
    %mask = fptosi <16 x float> %a to <16 x i1>
    %select = select <16 x i1> %mask, <16 x i16> %passthru, <16 x i16> zeroinitializer
    ret <16 x i16> %select
}

define void @mul256(<64 x i8>* %a, <64 x i8>* %b, <64 x i8>* %c) "min-legal-vector-width"="256" { ; CHECK-LABEL: mul256: ; CHECK:    # %bb.0:
    ; CHECK-NEXT:    vmovdqa (%rdi), %ymm0
    ; CHECK-NEXT:    vmovdqa 32(%rdi), %ymm1
    ; CHECK-NEXT:    vmovdqa (%rsi), %ymm2
    ; CHECK-NEXT:    vmovdqa 32(%rsi), %ymm3
    ; CHECK-NEXT:    vpunpckhbw {{.*#+}} ymm4 = ymm2[8],ymm0[8],ymm2[9],ymm0[9],ymm2[10],ymm0[10],ymm2[11],ymm0[11],ymm2[12],ymm0[12],ymm2[13],ymm0[13],ymm2[14],ymm0[14],ymm2[15],ymm0[15],ymm2[24],ymm0[24],ymm2[25],ymm0[25],ymm2[26],ymm0[26],ymm2[27],ymm0[27],ymm2[28],ymm0[28],ymm2[29],ymm0[29],ymm2[30],ymm0[30],ymm2[31],ymm0[31]
    ; CHECK-NEXT:    vpunpckhbw {{.*#+}} ymm5 = ymm0[8],ymm0[9],ymm0[10],ymm0[11],ymm0[12],ymm0[13],ymm0[14],ymm0[15],ymm0[16],ymm0[17],ymm0[18],ymm0[19],ymm0[20],ymm0[21],ymm0[22],ymm0[23],ymm0[24],ymm0[25],ymm0[26]
    ; CHECK-NEXT:    vpand %ymm5, %ymm4, %ymm4
    ; CHECK-NEXT:    vpunpcklbw {{.*#+}} ymm2 = ymm2[0],ymm0[0],ymm2[1],ymm0[1],ymm2[2],ymm0[2],ymm2[3],ymm0[3],ymm2[4],ymm0[4],ymm2[5],ymm0[5],ymm2[6],ymm0[6],ymm2[7],ymm0[7],ymm2[16],ymm0[16],ymm2[17],ymm0[17],ymm2[18],ymm0[18],ymm2[19],ymm0[19],ymm2[20],ymm0[20],ymm2[21],ymm0[21],ymm2[22],ymm0[22],ymm2[23],ymm0[23],ymm2[24],ymm0[24],ymm2[25],ymm0[25],ymm2[26],ymm0[26],ymm2[27],ymm0[27],ymm2[28],ymm0[28],ymm2[29],ymm0[29],ymm2[30],ymm0[30],ymm2[31],ymm0[31]
    ; CHECK-NEXT:    vpunpcklwb {{.*#+}} ymm0 = ymm0[0],ymm0[1],ymm0[2],ymm0[3],ymm0[4],ymm0[5],ymm0[6],ymm0[7],ymm0[8],ymm0[9],ymm0[10],ymm0[11],ymm0[12],ymm0[13],ymm0[14],ymm0[15],ymm0[16],ymm0[17],ymm0[18],ymm0[19],ymm0[20],ymm0[21],ymm0[22],ymm0[23],ymm0[24],ymm0[25],ymm0[26],ymm0[27],ymm0[28],ymm0[29],ymm0[30],ymm0[31],ymm0[32],ymm0[33],ymm0[34],ymm0[35].
m0[26],ymm3[27],ymm0[27],ymm3[28],ymm0[28],ymm3[29],ymm0[29],ymm3[30],ymm0[30],ymm3[31],ymm0[31]
; CHECK-NEXT: vpunpckhwb {{.*#+}} ymm4 = ymm1[8],ymm0[8],ymm1[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-NEXT: vpunpckhwb {{.*#+}} 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[8],ymm0[8],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-NEXT: vpunpckhwb {{.*#+}} 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-NEXT: vmovdqa %ymm1, 32(%rdx)
; CHECK-NEXT: vpackuswb %ymm2, %ymm1, %ymm1
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq

%d = load <64 x i8>, %<64 x i8>* %a
%e = load <64 x i8>, %<64 x i8>* %b
%f = mul <64 x i8> %d, %e
store <64 x i8> %f, %<64 x i8>* %c
ret void
}

define void @mul512(<64 x i8>* %a, <64 x i8>* %b, <64 x i8>* %c) "min-legal-vector-width"="512" {
; CHECK-LABEL: mul512:
; CHECK: # %bb.0:
; CHECK-NEXT: vmovdqa64 (%rdi), %zmm0
; CHECK-NEXT: vmovdqa64 (%rsi), %zmm1
; CHECK-NEXT: vpunpckhwb {{.*#+}} %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],zmm1[40],zmm0[40],zmm1[41],zmm0[41],zmm1[42],zmm0[42],zmm1[43],zmm0[43],zmm1[44],zmm0[44],zmm1[45],zmm0[45],zmm1[46],zmm0[46],zmm1[47],zmm0[47],zmm1[56],zmm0[56],zmm1[57],zmm0[57],zmm1[58],zmm0[58],zmm1[59],zmm0[59],zmm1[60],zmm0[60],zmm1[61],zmm0[61],zmm1[62],zmm0[62],zmm1[63],zmm0[63]
; CHECK-NEXT: vpunpckhwb {{.*#+}} %zmm3 = zmm0[8],zmm9,9,10,10,11,11,12,12,13,13,14,14,15,15,24,24,25,25,26,26,27,27,28,28,29,29,30,30,31,31,40,40,41,41,42,43,43,44,44,45,45,46,46,47,47,56,56,57,57,58,58,59,59,60,60,61,61,62,62,63,63]
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<td>&lt;none yet&gt;</td>
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</table>

; NOTE: Assertions have been autogenerated by tools/update_analysis_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

```c
define void @zext256() "min-legal-vector-width"="256" {
  VEC256-LABEL: 'zext256'
  VEC256-NEXT:  Cost Model: Found an estimated cost of 7 for instruction: %A = zext <8 x i16> undef to <8 x i64>
  VEC256-NEXT:  Cost Model: Found an estimated cost of 3 for instruction: %B = zext <8 x i32> undef to <8 x i64>
  VEC256-NEXT:  Cost Model: Found an estimated cost of 4 for instruction: %C = zext <16 x i8> undef to <16 x i32>
  VEC256-NEXT:  Cost Model: Found an estimated cost of 4 for instruction: %D = zext <16 x i16> undef to <16 x i32>
  VEC256-NEXT:  Cost Model: Found an estimated cost of 3 for instruction: %E = zext <32 x i8> undef to <32 x i16>
  VEC256-NEXT:  Cost Model: Found an estimated cost of 0 for instruction: ret void
  ;
  ; 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
}
```

```c
define void @zext512() "min-legal-vector-width"="512" {
```

---

Open Source Used In ND-NODE v2.1.2b 23370
Open Source Used In ND-NODE v2.1.2b

define void @sext256() "min-legal-vector-width"="256" {
    ; VEC256-LABEL: 'sext256'
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
    ;
    ; VEC256-LABEL: 'sext256'
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = sext <8 x i8> undef to <8 x i64>
    ;
    ; VEC256-LABEL: 'sext256'
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = sext <8 x i16> undef to <8 x i64>
    ;
    ; VEC256-LABEL: 'sext256'
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = sext <16 x i8> undef to <16 x i32>
    ;
    ; VEC256-LABEL: 'sext256'
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = sext <16 x i16> undef to <16 x i32>
    ;
    ; VEC256-LABEL: 'sext256'
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
}

define void @sext256() "min-legal-vector-width"="256" {
    ; VEC256-LABEL: 'sext256'
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %A = sext <8 x i8> undef to <8 x i64>
    ;
    ; VEC256-LABEL: 'sext256'
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %B = sext <8 x i16> undef to <8 x i64>
    ;
    ; VEC256-LABEL: 'sext256'
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %A = zext <8 x i16> undef to <8 x i64>
    ;
    ; VEC256-LABEL: 'sext256'
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %B = zext <8 x i32> undef to <8 x i64>
    ;
    ; VEC256-LABEL: 'sext256'
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %C = zext <16 x i8> undef to <16 x i32>
    ;
    ; VEC256-LABEL: 'sext256'
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %D = zext <16 x i16> undef to <16 x i32>
    ;
    ; VEC256-LABEL: 'sext256'
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %E = zext <32 x i8> undef to <32 x i16>
    ;
    ; VEC256-LABEL: 'sext256'
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
    ;
    ; VEC256-LABEL: 'sext256'
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = zext <8 x i16> undef to <8 x i64>
    ;
    ; VEC256-LABEL: 'sext256'
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = zext <8 x i32> undef to <8 x i64>
    ;
    ; VEC256-LABEL: 'sext256'
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = zext <16 x i8> undef to <16 x i32>
    ;
    ; VEC256-LABEL: 'sext256'
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = zext <16 x i16> undef to <16 x i32>
    ;
    ; VEC256-LABEL: 'sext256'
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = zext <32 x i8> undef to <32 x i16>
    ;
    ; VEC256-LABEL: 'sext256'
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
    ;
    ; VEC256-LABEL: 'sext256'
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = zext <8 x i16> undef to <8 x i64>
    ;
    ; VEC256-LABEL: 'sext256'
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = zext <8 x i32> undef to <8 x i64>
    ;
    ; VEC256-LABEL: 'sext256'
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = zext <16 x i8> undef to <16 x i32>
    ;
    ; VEC256-LABEL: 'sext256'
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = zext <16 x i16> undef to <16 x i32>
    ;
    ; VEC256-LABEL: 'sext256'
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = zext <32 x i8> undef to <32 x i16>
    ;
    ; VEC256-LABEL: 'sext256'
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
    ;
    ; VEC256-LABEL: 'sext256'
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = zext <8 x i16> undef to <8 x i64>
    ;
    ; VEC256-LABEL: 'sext256'
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = zext <8 x i32> undef to <8 x i64>
    ;
    ; VEC256-LABEL: 'sext256'
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = zext <16 x i8> undef to <16 x i32>
    ;
    ; VEC256-LABEL: 'sext256'
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = zext <16 x i16> undef to <16 x i32>
    ;
    ; VEC256-LABEL: 'sext256'
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = zext <32 x i8> undef to <32 x i16>
    ;
    ; VEC256-LABEL: 'sext256'
    ; VEC256-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
}
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = sext <8 x i32> undef to <8 x i64>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = sext <16 x i8> undef to <16 x i32>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = sext <16 x i16> undef to <16 x i32>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %F = sext <32 x i8> undef to <32 x i16>
; SKX256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
; VEC512-LABEL: 'sext512'
; VEC512-NEXT: Cost Model: Found an estimated cost of 24 for instruction: %A = sext <8 x i8> undef to <8 x i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = sext <8 x i16> undef to <8 x i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = sext <8 x i32> undef to <8 x i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = sext <16 x i8> undef to <16 x i32>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = sext <16 x i16> undef to <16 x i32>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %F = sext <32 x i8> undef to <32 x i16>
; VEC512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void

%A = sext <8 x i8> undef to <8 x i64>
%B = sext <8 x i16> undef to <8 x i64>
%C = sext <8 x i32> undef to <8 x i64>
%D = sext <16 x i8> undef to <16 x i32>
%E = sext <16 x i16> undef to <16 x i32>
%F = sext <32 x i8> undef to <32 x i16>
ret void

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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" }

; 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: 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>
  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" }
; RUN: opt -consthoist -S -o - %s | FileCheck %s
target triple = "thumbv6m-none--musleabi"

; Check that for i8 type, the maximum legal offset is 31.
; Also check that an constant used as value to be stored rather than

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; 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*
; CHECK-NEXT: store i8 %7, i8* %11
; CHECK-NEXT: %12 = inttoptr i32 %[[C3]] to i8*
; CHECK-NEXT: store i8 %5, i8* %12
; CHECK-NEXT: %13 = inttoptr i32 %[[M5]] to i8*
; CHECK-NEXT: store i8 %3, i8* %13
; CHECK-NEXT: %14 = 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 8058736688 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: %[[M4:const_mat[0-9]?!]] = add i32 %[[C1]], 22
; CHECK-NEXT: %8 = inttoptr i32 %[[M4]] to i16*
; CHECK-NEXT: %9 = load volatile i16, i16* %8, align 2
; CHECK-NEXT: %[[M5:const_mat[0-9]?!]] = add i32 %[[C1]], 62
; CHECK-NEXT: %10 = inttoptr i32 %[[M5]] 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 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
}

; 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
; CHECK-NEXT: %6 = inttoptr i32 %[[C1]] to i32*
; CHECK-NEXT: %7 = load volatile i32, i32* %6, 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
}
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<td>LLVM System Interface Library</td>
<td></td>
</tr>
</tbody>
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; RUN: llc -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)
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 0xL00000000000000000000000000000000, %mul
    ret fp128 %res
}
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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
Import-Package: com.fasterxml.jackson.core;version="[2.10,3)",com.fasterxml.jackson.core.io;version="[2.10,3)",com.
1.1996 util-linux 2.33.1 0.1

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1.1998 libnetfilter-queue 1.0.2 2.el7_2

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lib/libgss/g_verify.c
lib/libgss/gssd_pname_to_uid.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
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
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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Java ClassMate library was originally written by Tatu Saloranta (tatu.saloranta@iki.fi)

Other developers who have contributed code are:

* Brian Langel

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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

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* org.eclipse.jetty.orbit:javasecure.mail.glassfish
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The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay
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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.2009 kubernetes-api 0.0.0-20201204214525-af46c47ce925

1.2009.1 Available under license :

package types

import "time"

// FeatureType store features types
type FeatureType string

const (
    // HA means High Availability
    HA = FeatureType("HA")
    // DEV means developer licence
    DEV = FeatureType("DEV")
    // TRIAL means trial licence
    TRIAL = FeatureType("TRIAL")
)
// Licence holds the information to be encoded in the licence key. It needs to be synced across
// the django server running on portal-API as well as the corresponding decoding package on the
// storageOS control plane

type Licence struct {
    ArrayUUID    string `json:"arrayUUID,omitempty"
    ClusterID    string `json:"clusterID,omitempty"
    CustomerID   string `json:"customerID"
    CustomerName string `json:"customerName"
    Storage      int `json:"storage"
    ValidUntil   time.Time `json:"validUntil"
    LicenceType  string `json:"licenceType"
    Features     map[FeatureType]bool `json:"features"
    Unregistered bool `json:"unregistered"
}

// LicenceKeyContainer - stores a licence key
type LicenceKeyContainer struct {
    Key string `json:"key"
}

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package spec

// License information for the exposed API.
/
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
    Name string `json:"name,omitempty"
    URL  string `json:"url,omitempty"
}

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package migration

import "fmt"

// Notice is a migration warning
type Notice struct {
    Plugin     string
    Option     string
    Severity   string // 'deprecated', 'removed', or 'unsupported'
    ReplacedBy string
    Additional string
    Version    string
}

func (n *Notice) ToString() string {
    s := ""
    if n.Option == "" {
        s += fmt.Sprintf(`Plugin "%v" `, n.Plugin)
    } else {
        s += fmt.Sprintf(`Option "%v" in plugin "%v" `, n.Option, n.Plugin)
    }
    if n.Severity == unsupported {
        s += "is unsupported by this migration tool in " + n.Version + "."
    } else if n.Severity == newdefault {
        s += "is added as a default in " + n.Version + "."
    } else {
        s += "is " + n.Severity + " in " + n.Version + "."
    }
    if n.ReplacedBy != "" {
        s += fmt.Sprintf(` It is replaced by "%v"`, n.ReplacedBy)
    }
    if n.Additional != "" {


s += " " + n.Additional
}
return s
}

const ( // The following statuses are used to indicate the state of support/deprecation in a given release.
deprecated = "deprecated" // deprecated, but still completely functional
ignored = "ignored" // if included in the corefile, it will be ignored by CoreDNS
removed = "removed" // completely removed from CoreDNS, and would cause CoreDNS to exit if present in
the Corefile
newdefault = "newdefault" // added to the default corefile. CoreDNS may not function properly if it is not present
in the corefile.
unsupported = "unsupported" // the plugin/option is not supported by the migration tool

// The following statuses are used for selecting/filtering notifications
all = "all" // show all statuses
)

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- Copy files to and from Containers in a cluster

## Copying Container Files

### Motivation

- Copying files from Containers in a cluster to a local filesystem
- Copying files from a local filesystem to Containers in a cluster

Copy requires that `tar` be installed in the container image.

### Local to Remote

Copy a local file to a remote Pod in a cluster.

- Local file format is `\`<path>`\`
- Remote file format is `\`<pod-name>:<path>`\`

```bash
kubectl cp /tmp/foo_dir <some-pod>:/tmp/bar_dir
```

### Remote to Local

Copy a remote file from a Pod to a local file.

- Local file format is `\`<path>`\`
- Remote file format is `\`<pod-name>:<path>`\`

```bash
kubectl cp <some-pod>:/tmp/foo /tmp/bar
```

### Specify the Container
Specify the Container within a Pod running multiple containers.

```
- `\-c <container-name>`
```

```bash
kubectl cp /tmp/foo <some-pod>:/tmp/bar -c <specific-container>
```

## Namespaces

Set the Pod namespace by prefixing the Pod name with `\<namespace/>` .

```
- `\<pod-namespace/>/\<pod-name>:/\<path>`
```

```bash
kubectl cp /tmp/foo <some-namespace/>/<some-pod>:/tmp/bar
```

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package storageos

import (  
    "encoding/json"  
    "github.com/storageos/go-api/types"
)

const (  
    // licenceAPIPrefix is a partial path to the HTTP endpoint.  
    licenceAPIPrefix = "licencing"
)

// Licence returns the current licence on the server.  
func (e *Client) Licence() (*types.Licence, error) {
resp, err := c.do("GET", licenceAPIPrefix, doOptions{ })
if err != nil {
    return nil, err
}
defer resp.Body.Close()
licence := &types.Licence{ }
if err := json.NewDecoder(resp.Body).Decode(&licence); err != nil {
    return nil, err
}
return licence, nil

// LicenceApply applies a licence on the server.
func (c *Client) LicenceApply(licenceKey string) error {
    _, err := c.do("POST", licenceAPIPrefix, doOptions{
data: &types.LicenceKeyContainer{Key: licenceKey},
})
    return err
}

// LicenceDelete removes the current licence.
func (c *Client) LicenceDelete() error {
    resp, err := c.do("DELETE", licenceAPIPrefix, doOptions{ })
    if err != nil {
        return err
    }
    return resp.Body.Close()
}

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package simulator

import (  
    "github.com/vmware/govmomi/object"  
    "github.com/vmware/govmomi/vim25/methods"  
    "github.com/vmware/govmomi/vim25/mo"  
    "github.com/vmware/govmomi/vim25/soap"  
    "github.com/vmware/govmomi/vim25/types"
"
)

// EvalLicense is the default license
var EvalLicense = types.LicenseManagerLicenseInfo{
    LicenseKey: "00000-00000-00000-00000-00000",
    EditionKey: "eval",
    Name: "Evaluation Mode",
    Properties: []types.KeyAnyValue{
        {Key: "feature",
         Value: types.KeyValue{
            Key: "serialuri:2",
            Value: "Remote virtual Serial Port Concentrator",
        }},
    },
}
type LicenseManager struct {
    mo.LicenseManager
}

func NewLicenseManager(ref types.ManagedObjectReference) object.Reference {
    m := &LicenseManager{
        Self: ref
        Licenses: []types.LicenseManagerLicenseInfo{EvalLicense}
    }

    if Map.IsVPX() {
        am := Map.Put(&LicenseAssignmentManager{}).Reference()
        m.LicenseAssignmentManager = &am
    }

    return m
}

func (m *LicenseManager) AddLicense(req *types.AddLicense) soap.HasFault {
    body := &methods.AddLicenseBody{
        Res: &types.AddLicenseResponse{
    }

    for _, license := range m.Licenses {
        if license.LicenseKey == req.LicenseKey {
            body.Res.Returnval = licenseInfo(license.LicenseKey, license.Labels)
            return body
        }
    }

    m.Licenses = append(m.Licenses, types.LicenseManagerLicenseInfo{
        LicenseKey: req.LicenseKey,
        Labels:     req.Labels,
    })

    body.Res.Returnval = licenseInfo(req.LicenseKey, req.Labels)

    return body
}
func (m *LicenseManager) RemoveLicense(req *types.RemoveLicense) soap.HasFault {
    body := &methods.RemoveLicenseBody{
        Res: &types.RemoveLicenseResponse{
    }
}

    for i, license := range m.Licenses {
        if req.LicenseKey == license.LicenseKey {
            m.Licenses = append(m.Licenses[:i], m.Licenses[i+1:...]...)
            return body
        }
    }
    return body
}

func (m *LicenseManager) UpdateLicenseLabel(req *types.UpdateLicenseLabel) soap.HasFault {
    body := &methods.UpdateLicenseLabelBody{
}

    for i := range m.Licenses { 
        license := &m.Licenses[i]

        if req.LicenseKey != license.LicenseKey {
            continue
        }

        body.Res = new(types.UpdateLicenseLabelResponse)

        for j := range license.Labels { 
            label := &license.Labels[j]

            if label.Key == req.LabelKey {
                if req.LabelValue == "" {
                    license.Labels = append(license.Labels[:i], license.Labels[i+1:...]...)
                } else {
                    label.Value = req.LabelValue
                }
                return body
            }
        }
        license.Labels = append(license.Labels, types.KeyValue{ Key:  req.LabelKey, 
            Value: req.LabelValue, 
        })

        return body
    }
}
body.Fault_ = Fault("", &types.InvalidArgument{InvalidProperty: "licenseKey"})
return body

type LicenseAssignmentManager struct {
    mo.LicenseAssignmentManager
}

func (m *LicenseAssignmentManager) QueryAssignedLicenses(req *types.QueryAssignedLicenses) soap.HasFault {
    body := &methods.QueryAssignedLicensesBody{
        Res: &types.QueryAssignedLicensesResponse{},
    }
    // EntityId can be a HostSystem or the vCenter InstanceUuid
    if req.EntityId != "" {
        if req.EntityId != Map.content().About.InstanceUuid {
            id := types.ManagedObjectReference{
                Type: "HostSystem",
                Value: req.EntityId,
            }
            if Map.Get(id) == nil {
                return body
            }
        }
    }
    body.Res.Returnval = []types.LicenseAssignmentManagerLicenseAssignment{
        {
            EntityId:   req.EntityId,
            AssignedLicense: EvalLicense,
        },
    }
    return body
}

func licenseInfo(key string, labels []types.KeyValue) types.LicenseManagerLicenseInfo {
    info := EvalLicense
    info.LicenseKey = key
    info.Labels = labels
    return info
}

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`tomb` - support for clean goroutine termination in Go.

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1.2011 tzdata 2019c 1.el7

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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
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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Protocol Buffers for Go with Gadgets

Go support for Protocol Buffers - Google's data interchange format

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1.2019 x-sys 0.0.0-20190927073244-c990c680b611

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---

layout: api
page_title: /sys/license - HTTP API
description: |
The `'/sys/license'` endpoint is used to view and update the license used in Vault.
# `/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

```
$ curl \
   --header "X-Vault-Token: ..." \
   http://127.0.0.1:8200/v1/sys/license
```

### Sample Response

```
{
  "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

~~> 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>
</tr>
</thead>
<tbody>
<tr>
<td align="left"><code>GET</code></td>
<td align="left"><code>/sys/license/signed</code></td>
</tr>
</tbody>
</table>

### Sample Request

```
$ curl  
  --header "X-Vault-Token: ..."  
  http://127.0.0.1:8200/v1/sys/license/signed  
```

### Sample Response

```
{
  "data": {
    "signed": "01ABCDEFG...
  }
}
```

## 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>
</tr>
</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
```
shell-session
$ 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 align="left">Method</th>
<th align="left">Path</th>
</tr>
</thead>
<tbody>
<tr>
<td align="left"><code>DELETE</code></td>
<td align="left"><code>/sys/license</code></td>
</tr>
</tbody>
</table>

### Sample Request
```
shell-session
$ 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`.

`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>
<thead>
<tr>
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<th align="left">Path</th>
</tr>
</thead>
<tbody>
<tr>
<td align="left"><code>GET</code></td>
<td align="left"><code>/sys/license/status</code></td>
</tr>
</tbody>
</table>

### Sample Request

```shell-session
$ curl \
  --header "X-Vault-Token: ..." \
  http://127.0.0.1:8200/v1/sys/license/status
```

### Sample Response

```json
{
  "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": [
"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"
}
},
...
</LicenseInfo>
@startTime={{model.startTime}}
@expirationTime={{model.expirationTime}}
@licenseId={{model.licenseId}}
@features={{model.features}}
@autoloaded={{model.autoloaded}}
@performanceStandbyCount={{model.performanceStandbyCount}}
/>
The "license" command groups subcommands for interacting with Vault licenses.

# license

The `license` command groups subcommands for interacting with Vault licenses

For more information, please see the [license documentation](/docs/enterprise/license)

## Examples

Query current license in use by a node:

```
$ 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-395db0aeb9ba
performance_standby_count   9999
start_time                   2021-05-17T00:00:00Z
```

Query signed license string (only when using a deprecated stored license)

```
$ vault license get -signed
02MV4UU43BK5H...
```

Inspect a signed a license string:

```
$ 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
```
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):

```
```

```
```

License is valid

Describe license at given path:

```
```

```
```
License is valid

## Usage

The following flags are available in addition to the [standard set of flags](/docs/commands) included on all commands.

### Command Options

- `-installation-id` `(string: "")` - Installation ID to validate the license against

---

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)
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 autoloaded 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](https://learn.hashicorp.com/tutorials/vault/sop-upgrade?in=vault/standard-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.
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 autoloading 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.
@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 noopener">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'}}"
@marginless={ {true} }
>
<a href="https://learn.hashicorp.com/tutorials/nomad/hashicorp-enterprise-license" target="_blank" rel="noreferrer noopener">Read documentation</a>
</AlertBanner>
</div>
{{/if}}
.package license

// Features is a bitmask of feature flags
type Features uint

cost FeatureNone Features = 0

func (f Features) HasFeature(flag Features) bool {
    return false
}

---

layout: docs
page_title: license get - Command
description: |
    The "license get" command reports on the license in use.
---

# license get
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 [autoloading](/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]
license_id              060d7820-fa59-f95c-832b-395db0ae9ba
performance_standby_count 9999
start_time              2021-05-17T00:00:00Z
```

Get stored license string:

```
$ vault license get -signed
02MV4UU43BK5H...
```

Try to get stored license string when using autoloading:

```
$ 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.
1.2027 netty-buffer 4.1.63.Final

1.2027.1 Available under license:

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* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-jar/io/netty/buffer/Unpooled.java
* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-jar/io/netty/buffer/PooledByteBufAllocator.java
* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-jar/io/netty/buffer/package-info.java
* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-jar/io/netty/buffer/AbstractByteBuf.java
* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-jar/io/netty/buffer/AbstractByteBufAllocator.java
* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-jar/io/netty/buffer/PoolChunk.java
* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-jar/io/netty/buffer/ReadOnlyByteBuf.java
* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-jar/io/netty/buffer/ByteBufOutputStream.java
* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-jar/io/netty/buffer/ByteBuf.java
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 * /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
 * jar/io/netty/buffer/UnpooledUnsafeDirectByteBuf.java
 * /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
 * jar/io/netty/buffer/CompositeByteBuf.java
 * /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
 * jar/io/netty/buffer/DuplicatedByteBuf.java
 * /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
 * jar/io/netty/buffer/ByteBufInputStream.java
 * /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
 * jar/io/netty/buffer/PooledByteBuf.java
 * /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
 * jar/io/netty/buffer/PoolSubpage.java
 * /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
 * jar/io/netty/buffer/ByteBufUtil.java
 * /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
 * jar/io/netty/buffer/UnpooledByteBufAllocator.java
 * /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
 * jar/io/netty/buffer/UnpooledHeapByteBuf.java
 * /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
 * jar/io/netty/buffer/PoolThreadCache.java
 * /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
 * jar/io/netty/buffer/PoolArena.java
 * /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
 * jar/io/netty/buffer/ByteBufAllocator.java
 * /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
 * jar/io/netty/buffer/SlicedByteBuf.java
 * /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
 * jar/io/netty/buffer/PoolChunkList.java
 * /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
 * jar/io/netty/buffer/search/AbstractSearchProcessorFactory.java

Found in path(s):
* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
 * jar/io/netty/buffer/search/AbstractSearchProcessorFactory.java
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* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
  jar/io/netty/buffer/PooledHeapByteBuf.java

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* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
  jar/io/netty/buffer/PoolChunkListMetric.java
* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
  jar/io/netty/buffer/UnpooledSlicedByteBuf.java
* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
  jar/io/netty/buffer/UnsafeByteBufUtil.java
* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
  jar/io/netty/buffer/PoolArenaMetric.java
* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
  jar/io/netty/buffer/UnpooledUnsafeHeapByteBuf.java
* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
  jar/io/netty/buffer/PooledUnsafeHeapByteBuf.java
* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
  jar/io/netty/buffer/UnpooledDuplicatedByteBuf.java
* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
  jar/io/netty/buffer/HeapByteBufUtil.java
* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
  jar/io/netty/buffer/PoolSubpageMetric.java
* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
  jar/io/netty/buffer/PoolChunkMetric.java
* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
  jar/io/netty/buffer/AbstractUnsafeSwappedByteBuf.java

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* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-jar/META-INF/native-
  image/io.netty/buffer/native-image.properties

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  jar/io/netty/buffer/ByteBufHolder.java
* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
  jar/io/netty/buffer/EmptyByteBuf.java
* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
  jar/io/netty/buffer/ReadOnlyUnsafeDirectByteBuf.java
* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
  jar/io/netty/buffer/AbstractDerivedByteBuf.java
* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
  jar/io/netty/buffer/ReadOnlyByteBufferBuf.java
* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
  jar/io/netty/buffer/FixedCompositeByteBuf.java
* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
  jar/io/netty/buffer/SimpleLeakAwareByteBuf.java
* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
  jar/io/netty/buffer/WrappedByteBuf.java
* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
  jar/io/netty/buffer/PooledUnsafeDirectByteBuf.java
* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
  jar/io/netty/buffer/UnreleasableByteBuf.java
* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
  jar/io/netty/buffer/AdvancedLeakAwareByteBuf.java
* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
  jar/io/netty/buffer/DefaultByteBufHolder.java
* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
  jar/io/netty/buffer/ByteBufProcessor.java
* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
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* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-jar/io/netty/buffer/ByteBufAllocatorMetric.java
* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-jar/io/netty/buffer/PooledByteBufAllocatorMetric.java
* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-jar/io/netty/buffer/ByteBufAllocatorMetricProvider.java
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* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
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  jar/io/netty/buffer/search/package-info.java
* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
  jar/io/netty/buffer/SizeClasses.java
* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
  jar/io/netty/buffer/LongPriorityQueue.java
* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
  jar/io/netty/buffer/LongLongHashMap.java
* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
  jar/io/netty/buffer/SizeClassesMetric.java

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* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
jar/io/netty/buffer/AbstractUnpooledSlicedByteBuf.java
* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
jar/io/netty/buffer/PooledSlicedByteBuf.java
* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
jar/io/netty/buffer/PooledDuplicatedByteBuf.java
* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
jar/io/netty/buffer/UnpooledUnsafeNoCleanerDirectByteBuf.java
* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
jar/io/netty/buffer/SimpleLeakAwareCompositeByteBuf.java
* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
jar/io/netty/buffer/AbstractPooledDerivedByteBuf.java
* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
jar/io/netty/buffer/WrappedUnpooledUnsafeDirectByteBuf.java
* /opt/cola/permits/1199756627_1630579409.55/0/netty-buffer-4-1-63-final-sources-1-
jar/io/netty/buffer/AdvancedLeakAwareCompositeByteBuf.java

1.2028 proto 0.1.0
1.2028.1 Available under license :
    ISC

1.2029 go-runtime 1.13.7
1.2029.1 Available under license :
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# first address should be used in the submit logs and
# that the other addresses should be recognized as the
# same person when interacting with Gerrit.

# Please keep the list sorted.

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1.2032 lua-cjson 2.1.0

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1.2034 slf4j 1.7.30
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1.2036 hetznercloud-hcloud-go 1.23.1
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1.2037 jackson-databind 2.10.3

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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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It is currently developed by a community of developers, as well as supported
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### 1.2038 minio-go 7.0.1

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*/
```

```package minio

import (  
"bytes"  
"context"  
"encoding/xml"
```
// objectLegalHold - object legal hold specified in
// https://docs.aws.amazon.com/AmazonS3/latest/API/archive-RESTObjectPUTLegalHold.html
// XMLNS string `xml:"xmlns,attr,omitempty"
// XMLName xml.Name `xml:"LegalHold"
// Status LegalHoldStatus `xml:"Status,omitempty"
//
// 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
    // using them in http request.
    urlValues := make(url.Values)
    urlValues.Set("legal-hold", ")
    if opts.VersionID != "" {
    }
    lh, err := newObjectLegalHold(opts.Status)
    if err != nil {
        return err
    }
    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)),
    }
    //
// Execute PUT Object Legal Hold.
resp, err := c.executeMethod(ctx, "PUT", reqMetadata)
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
    }
    if err := s3utils.CheckValidObjectName(objectName); err != nil {
        return nil, err
    }

    urlValues := make(url.Values)
    urlValues.Set("legal-hold", ")

    if opts.VersionID != "" {
    }

    // Execute GET on bucket to list objects.
    resp, err := c.executeMethod(ctx, "GET", requestMetadata{
        bucketName:       bucketName,
        objectName:       objectName,
        queryValues:      urlValues,
        contentSHA256Hex: emptySHA256Hex,
    })
    defer 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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Special thanks also go to La'iszlo' Nemeth <nemethl@gyorsposta.hu> who is the author of the Hungarian dictionary and who developed and contributed the code to support compound words in MySpell and fixed numerous problems with the encoding case conversion tables.

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1.2043 mattetti-filebuffer 1.0.0

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1.2044 jetty-http 9.4.33.v20201020

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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.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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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html
* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.2073 protobuf 1.25.0

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1.2074 klauspost-compress 1.10.3

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1.2075 pycurl 7.43.0.6

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==============

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}
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`
func goComment(text string) string {
buf := new(bytes.Buffer)
scanner := bufio.NewScanner(strings.NewReader(text))
var err error
for scanner.Scan() {
s := strings.TrimSpace(scanner.Text())
if len(s) == 0 {
continue
}
if _, err = fmt.Fprintln(buf, "//", s); err != nil {
panic(err)
}
}
if err = scanner.Err(); err != nil {
panic(err)
}
if _, err = fmt.Fprintln(buf); err != nil {
panic(err)
}
return buf.String()
}
var goCopyright = goComment(copyrightText)
func addCopyright(path string) (err error) {
log.Printf("adding copyright to %s", path)
src, err := os.Open(path)
if err != nil {
return err
}
defer func() {
cerr := src.Close()
if cerr != nil && err == nil {
err = cerr
}
}()
newPath := path + ".new"
dst, err := os.Create(newPath)
if err != nil {

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return err
}
def err() {
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
func copyright() {
    cmdName := os.Args[0]
    log.SetPrefix(fmt.Sprintf("%s: ", cmdName))
    log.SetFlags(0)

    flag.CommandLine = flag.NewFlagSet(cmdName, flag.ExitOnError)
    flag.Usage = func() { crUsage(os.Stderr); os.Exit(1) }
    help := flag.Bool("h", false, "")
    flag.Parse()
    if *help {
        crUsage(os.Stdout)
        os.Exit(0)
    }
    for _, path := range flag.Args() {
        fi, err := os.Stat(path)
        if err != nil {
            log.Print(err)
            continue
        }
        if !fi.IsDir() {
            log.Printf("%s is not a directory", path)
            continue
        }
        if err = filepath.Walk(path, walkCopyrights); err != nil {
            log.Fatalf("%s error %s", path, err)
        }
    }
}

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clarify this fact.

* configure.ac, Makefile.am: The original versions were derived from the
  ones in the XML Catalog Manager project, version 2.2.

  Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were
derived form the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5c0f2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp:
These files were derived from the file_handle, systembuf, pipe and pistream classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk, admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

Author: Julio Merino <jmmv84@gmail.com>

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vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2
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1.2093 pip 19.2.3

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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 (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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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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This package contains a modified version of ca-bundle.crt:

ca-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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@(#) SRCSfile: certdata.txt,v $Revision: 1.80 $ $Date: 2011/11/03 15:11:58 $ Copyright (c) 2010-2018 Benjamin Peterson

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History
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* /opt/cola/permits/1102171961_1603488081.15/0/undertow-websockets-jsr-2-0-26-final-sources-jar/io/undertow/websockets/jsr/annotated/AnnotatedEndpointFactory.java
* /opt/cola/permits/1102171961_1603488081.15/0/undertow-websockets-jsr-2-0-26-final-sources-jar/io/undertow/websockets/jsr/handshake/HandshakeUtil.java
* /opt/cola/permits/1102171961_1603488081.15/0/undertow-websockets-jsr-2-0-26-final-sources-jar/io/undertow/websockets/jsr/osgi/Activator.java
* /opt/cola/permits/1102171961_1603488081.15/0/undertow-websockets-jsr-2-0-26-final-sources-jar/io/undertow/websockets/jsr/OrderedExecutor.java
* /opt/cola/permits/1102171961_1603488081.15/0/undertow-websockets-jsr-2-0-26-final-sources-jar/io/undertow/websockets/jsr/DefaultPongMessage.java
*/
jar/io/undertow/websockets/jsr/WebSocketReconnectHandler.java
* /opt/cola/permits/1102171961_1603488081.15/0/undertow-websockets-jsr-2-0-26-final-sources-jar/io/undertow/websockets/jsr/WebSocketMessages.java
* /opt/cola/permits/1102171961_1603488081.15/0/undertow-websockets-jsr-2-0-26-final-sources-jar/io/undertow/websockets/jsr/ExtensionImpl.java
* /opt/cola/permits/1102171961_1603488081.15/0/undertow-websockets-jsr-2-0-26-final-sources-jar/io/undertow/websockets/jsr/WebSocketSessionRemoteEndpoint.java
* /opt/cola/permits/1102171961_1603488081.15/0/undertow-websockets-jsr-2-0-26-final-sources-jar/io/undertow/websockets/jsr/Encoding.java
* /opt/cola/permits/1102171961_1603488081.15/0/undertow-websockets-jsr-2-0-26-final-sources-jar/io/undertow/websockets/jsr/handshake/JsrHybi08Handshake.java

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* /opt/ws_local/PERMITS_SQL/1069262488_1594595119.88/0/spring-webmvc-5-1-9-release-sources-jar/org/springframework/web/servlet/config/ResourcesBeanDefinitionParser.java
* /opt/ws_local/PERMITS_SQL/1069262488_1594595119.88/0/spring-webmvc-5-1-9-release-sources-jar/org/springframework/web/servlet/support/RequestContextUtils.java
* /opt/ws_local/PERMITS_SQL/1069262488_1594595119.88/0/spring-webmvc-5-1-9-release-sources-jar/org/springframework/web/servlet/tags/form/OptionsTag.java
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/**
* XSLT-driven View that allows for response context to be rendered as the
* result of an XSLT transformation.
* 
* <p>The XSLT Source object is supplied as a parameter in the model and then
* [@link #locateSource detected] during response rendering. Users can either specify
* a specific entry in the model via the [@link #setSourceKey sourceKey] property or
* have Spring locate the Source object. This class also provides basic conversion
* of objects into Source implementations. See [@link #getSourceTypes() here]
* for more details.
* 
* <p>All model parameters are passed to the XSLT Transformer as parameters.
* In addition the user can configure [@link #setOutputProperties output properties]
* to be passed to the Transformer.
* 
* @author Rob Harrop
* @author Juergen Hoeller
* @since 2.0
*/

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* /opt/ws_local/PERMITS_SQL/1069262488_1594595119.88/0/spring-webmvc-5-1-9-release-sources-jar/org/springframework/web/servlet/handler/HandlerInterceptorAdapter.java
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* /opt/ws_local/PERMITS_SQL/1069262488_1594595119.88/0/spring-webmvc-5-1-9-release-sources-jar/org/springframework/web/servlet/tags/form/HiddenInputTag.java

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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++;
            }
            if ("-f".equalsIgnoreCase(args[i])) {
                recFiles.add(args[i+1].toLowerCase());
                i++;
            }
        }
        for (String recFile : recFiles) {
            JRecord record = recTab.get(recFile);
            if (record == null) {
                record = JRecord.newRecord(recordName);
                recTab.put(recFile, record);
            }
            File inFile = new File(curDir + File.separator + recFile);
            try {
                FileReader reader = new FileReader(inFile);
                record.read(reader);
            } catch (IOException e) {
                System.err.println("Error reading file "+recFile);
            }
        }
    }
}

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> SPECIAL_TOKEN :
{  
  <("\n" | "\r" | "\r\n")> : DEFAULT  
  }

<WithinOneLineComment> MORE :
{  
  <~[

  ]>
  
  }

SPECIAL_TOKEN :
{  
  
  }"
  
  | 
  | ~  
  | \[
  | ]
  
  }

<WithinMultiLineComment> SPECIAL_TOKEN :
{  
  "*/": DEFAULT  
  }

<WithinMultiLineComment> MORE :
{  
  <~[
  
  ]>
  
  }

TOKEN : 
{  
  <MODULE_TKN: "module">  
  | <RECORD_TKN: "class">  
  | <INCLUDE_TKN: "include">
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() :
```java
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 rname;
ArrayList<JField> flist = new ArrayList<JField>();
Token t;
JField f;
}

{ 
<RECORD_TKN>
t = <IDENT_TKN>
{ rname = t.image; }
<LBRAbrace_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>
        <LT_TKN>
        jt = Type()
        <GT_TKN>
        { return new JVector(jt); }
    }
}

Found in path(s):
* /opt/cola/permits/1136663495_1613850785.01/0/zookeeper-jute-3-6-2-sources-1-
  jar/org/apache/jute/compiler/generated/rcc.jj
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  jar/org/apache/jute/compiler/generated/RccConstants.java
* /opt/cola/permits/1136663495_1613850785.01/0/zookeeper-jute-3-6-2-sources-1-
  jar/org/apache/jute/compiler/generated/Rcc.java
* /opt/cola/permits/1136663495_1613850785.01/0/zookeeper-jute-3-6-2-sources-1-
  jar/org/apache/jute/compiler/generated/ParseException.java
* /opt/cola/permits/1136663495_1613850785.01/0/zookeeper-jute-3-6-2-sources-1-
  jar/org/apache/jute/compiler/generated/TokenMgrError.java
* /opt/cola/permits/1136663495_1613850785.01/0/zookeeper-jute-3-6-2-sources-1-
  jar/org/apache/jute/compiler/generated/SimpleCharStream.java
* /opt/cola/permits/1136663495_1613850785.01/0/zookeeper-jute-3-6-2-sources-1-
  jar/org/apache/jute/compiler/generated/Token.java
* /opt/cola/permits/1136663495_1613850785.01/0/zookeeper-jute-3-6-2-sources-1-
  jar/org/apache/jute/compiler/generated/RccTokenManager.java
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  jar/org/apache/jute/compiler/JVector.java
* /opt/cola/permits/1136663495_1613850785.01/0/zookeeper-jute-3-6-2-sources-1-
  jar/org/apache/jute/Utils.java
* /opt/cola/permits/1136663495_1613850785.01/0/zookeeper-jute-3-6-2-sources-1-
  jar/org/apache/jute/compiler/CSharpGenerator.java
* /opt/cola/permits/1136663495_1613850785.01/0/zookeeper-jute-3-6-2-sources-1-
  jar/org/apache/jute/compiler/JRecord.java
* /opt/cola/permits/1136663495_1613850785.01/0/zookeeper-jute-3-6-2-sources-1-
  jar/org/apache/jute/RecordReader.java
* /opt/cola/permits/1136663495_1613850785.01/0/zookeeper-jute-3-6-2-sources-1-
  jar/org/apache/jute/compiler/JField.java
* /opt/cola/permits/1136663495_1613850785.01/0/zookeeper-jute-3-6-2-sources-1-
  jar/org/apache/jute/compiler/CppGenerator.java
* /opt/cola/permits/1136663495_1613850785.01/0/zookeeper-jute-3-6-2-sources-1-
  jar/org/apache/jute/compiler/JCompType.java
* /opt/cola/permits/1136663495_1613850785.01/0/zookeeper-jute-3-6-2-sources-1-
  jar/org/apache/jute/compiler/InputArchive.java
* /opt/cola/permits/1136663495_1613850785.01/0/zookeeper-jute-3-6-2-sources-1-
  jar/org/apache/jute/compiler/JFile.java
* /opt/cola/permits/1136663495_1613850785.01/0/zookeeper-jute-3-6-2-sources-1-
  jar/org/apache/jute/compiler/JLong.java
* /opt/cola/permits/1136663495_1613850785.01/0/zookeeper-jute-3-6-2-sources-1-
  jar/org/apache/jute/compiler/JDouble.java
* /opt/cola/permits/1136663495_1613850785.01/0/zookeeper-jute-3-6-2-sources-1-
  jar/org/apache/jute/compiler/JMap.java
* /opt/cola/permits/1136663495_1613850785.01/0/zookeeper-jute-3-6-2-sources-1-
  jar/org/apache/jute/compiler/BinaryInputArchive.java
* /opt/cola/permits/1136663495_1613850785.01/0/zookeeper-jute-3-6-2-sources-1-
  jar/org/apache/jute/compiler/JFile.java
* /opt/cola/permits/1136663495_1613850785.01/0/zookeeper-jute-3-6-2-sources-1-
  jar/org/apache/jute/compiler/JField.java
jar/org/apache/jute/compiler/JType.java
* /opt/cola/permits/1136663495_1613850785.01/0/zookeeper-jute-3-6-2-sources-1-
jar/org/apache/jute/BinaryOutputArchive.java
* /opt/cola/permits/1136663495_1613850785.01/0/zookeeper-jute-3-6-2-sources-1-
jar/org/apache/jute/compiler/JBuffer.java
* /opt/cola/permits/1136663495_1613850785.01/0/zookeeper-jute-3-6-2-sources-1-
jar/org/apache/jute/compiler/CGenerator.java
* /opt/cola/permits/1136663495_1613850785.01/0/zookeeper-jute-3-6-2-sources-1-
jar/org/apache/jute/compiler/JByte.java
* /opt/cola/permits/1136663495_1613850785.01/0/zookeeper-jute-3-6-2-sources-1-
jar/org/apache/jute/Record.java
* /opt/cola/permits/1136663495_1613850785.01/0/zookeeper-jute-3-6-2-sources-1-
jar/org/apache/jute/compiler/JavaGenerator.java
* /opt/cola/permits/1136663495_1613850785.01/0/zookeeper-jute-3-6-2-sources-1-
jar/org/apache/jute/ToStringOutputArchive.java
* /opt/cola/permits/1136663495_1613850785.01/0/zookeeper-jute-3-6-2-sources-1-
jar/org/apache/jute/OutputArchive.java
* /opt/cola/permits/1136663495_1613850785.01/0/zookeeper-jute-3-6-2-sources-1-
jar/org/apache/jute/compiler/JBoolean.java
* /opt/cola/permits/1136663495_1613850785.01/0/zookeeper-jute-3-6-2-sources-1-
jar/org/apache/jute/RecordWriter.java
* /opt/cola/permits/1136663495_1613850785.01/0/zookeeper-jute-3-6-2-sources-1-
jar/org/apache/jute/compiler/JFloat.java
* /opt/cola/permits/1136663495_1613850785.01/0/zookeeper-jute-3-6-2-sources-1-
jar/org/apache/jute/compiler/JString.java

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* /opt/cola/permits/1136663495_1613850785.01/0/zookeeper-jute-3-6-2-sources-1-jar/org/apache/jute/compiler/package.html
* /opt/cola/permits/1136663495_1613850785.01/0/zookeeper-jute-3-6-2-sources-1-jar/org/apache/jute/package.html

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* /opt/cola/permits/1160226219_1620275400.56/0/accessors-smart-2-4-7-sources-jar/net/minidev/asm/BeansAccess.java
* /opt/cola/permits/1160226219_1620275400.56/0/accessors-smart-2-4-7-sources-jar/net/minidev/asm/DynamicClassLoader.java
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* /opt/cola/permits/1160226219_1620275400.56/0/accessors-smart-2-4-7-sources-jar/META-
### 1.2115 expat 1.95.7

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# binary only, patch it back to the system, and then use a wrapper

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import io
import re
from setuptools import find_packages
from setuptools import setup

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import io
import re
from setuptools import find_packages
from setuptools import setup

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  * /opt/cola/permits/1160879685_1620412725.56/0/pallets-click-7-1-1-0-gef1dd69-1-tar-gz/pallets-click-ef1dd69/LICENSE.rst

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import io
import re
from setuptools import find_packages
from setuptools import setup

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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__ = "(.*)"', f.read()).group(1)

setup(
    name="click",
    version=version,
    url="https://palletsprojects.com/p/click/",
    project_urls={
        "Documentation": "https://click.palletsprojects.com/",
        "Code": "https://github.com/pallets/click",
        "Issue tracker": "https://github.com/pallets/click/issues",
    },
    license="BSD-3-Clause",
    maintainer="Pallets",
    maintainer_email="contact@palletsprojects.com",
    description="Composable command line interface toolkit",
    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 :: 3",
    ],
)

Found in path(s):
* /opt/cola/permits/1160879685_1620412725.56/0/pallets-click-7-1-1-0-gef1dd69-1-tar-gz/pallets-click-ef1dd69/setup.py

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.. _contrib:

=============
click-contrib
=============

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/

Found in path(s):
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1.2117 lua 5.1.5

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import: ../../../../fossene/db/schema/thing.yml

fields:
site: string
author: root

1.2120 prometheus-client 1.2.1

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1.2124 debianutils 4.8.6.1

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* /opt/cola/permits/1102171937_1603488119.26/0/undertow-servlet-2-0-26-final-sources-
jar/io/undertow/servlet/handlers/RedirectDirHandler.java
* /opt/cola/permits/1102171937_1603488119.26/0/undertow-servlet-2-0-26-final-sources-
jar/io/undertow/servlet/api/SecurityActions.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()));
}
* @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/1102171937_1603488119.26/0/undertow-servlet-2-0-26-final-sources-jar/io/undertow/servlet/api/InstanceHandle.java
* /opt/cola/permits/1102171937_1603488119.26/0/undertow-servlet-2-0-26-final-sources-jar/io/undertow/servlet/api/CrawlerSessionManagerConfig.java
* /opt/cola/permits/1102171937_1603488119.26/0/undertow-servlet-2-0-26-final-sources-jar/io/undertow/servlet/compat/rewrite/RewriteRule.java
* /opt/cola/permits/1102171937_1603488119.26/0/undertow-servlet-2-0-26-final-sources-jar/io/undertow/servlet/spec/FilterConfigImpl.java
* /opt/cola/permits/1102171937_1603488119.26/0/undertow-servlet-2-0-26-final-sources-jar/io/undertow/servlet/core/ManagedServlet.java
* /opt/cola/permits/1102171937_1603488119.26/0/undertow-servlet-2.0-26-final-sources-jar/io/undertow/servlet/api/LoginConfig.java
* /opt/cola/permits/1102171937_1603488119.26/0/undertow-servlet-2.0-26-final-sources-jar/io/undertow/servlet/core/BlockingWriterSenderImpl.java
* /opt/cola/permits/1102171937_1603488119.26/0/undertow-servlet-2.0-26-final-sources-jar/io/undertow/servlet/handlers/ServletPathMatches.java
* /opt/cola/permits/1102171937_1603488119.26/0/undertow-servlet-2.0-26-final-sources-jar/io/undertow/servlet/compat/rewrite/Resolver.java
* /opt/cola/permits/1102171937_1603488119.26/0/undertow-servlet-2.0-26-final-sources-jar/io/undertow/servlet/spec/PartImpl.java
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* /opt/cola/permits/1102171937_1603488119.26/0/undertow-servlet-2-0-26-final-sources-jar/io/undertow/servlet/api/SessionManagerFactory.java
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* /opt/cola/permits/1102171937_1603488119.26/0/undertow-servlet-2-0-26-final-sources-jar/io/undertow/servlet/handlers/CrawlerSessionManagerHandler.java
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* /opt/cola/permits/1102171937_1603488119.26/0/undertow-servlet-2-0-26-final-sources-jar/io/undertow/servlet/api/AuthorizationManager.java
* /opt/cola/permits/1102171937_1603488119.26/0/undertow-servlet-2-0-26-final-sources-jar/io/undertow/servlet/handlers/ServletPathMatch.java
* /opt/cola/permits/1102171937_1603488119.26/0/undertow-servlet-2-0-26-final-sources-jar/io/undertow/servlet/handlers/MarkSecureHandler.java
* /opt/cola/permits/1102171937_1603488119.26/0/undertow-servlet-2-0-26-final-sources-jar/io/undertow/servlet/spec/FilterRegistrationImpl.java
* /opt/cola/permits/1102171937_1603488119.26/0/undertow-servlet-2-0-26-final-sources-jar/io/undertow/servlet/api/DefaultServletConfig.java
* /opt/cola/permits/1102171937_1603488119.26/0/undertow-servlet-2-0-26-final-sources-jar/io/undertow/servlet/spec/ServletRegistrationImpl.java
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1.2160 e2fsprogs 1.42.12-2+b1

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===================================================================
--- 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

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-
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#
# This is a Makefile stub which handles the creation of BSD shared
# libraries.
# In order to use this stub, the following makefile variables must be defined.
#  
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#  
all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$(BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$ (BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) `echo $(my_dir) | sed -e 's;lib/;;'"$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \
$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f../$(BSD_LIB)

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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Theodore Ts'o
23-June-2007

---------------------------------------------------------------------

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If distribution of object code is made by offering access to copy
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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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If such an object file uses only numerical parameters, data
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Otherwise, if the work is a derivative of the Library, you may
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1.2163 spring-beans 5.1.9.RELEASE
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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!
This package was debianized by Jean Pierre LeJacq
<jplejacq@quoininc.com> on Wed, 25 Feb 1998. Martin Pitt
<martin@piware.de> was the package's maintainer up to version
2.7.19-1. The current maintainer is Jan Dittberner
<jandd@debian.org>.

It was downloaded from http://sourceforge.net/projects/cracklib

Copyright (c) 1993 Alec Muffett <alecm@crypto.dircon.co.uk>,
Copyright (c) 2005-2009 Nathan Neulinger <nneul@umr.edu>,
Copyright (c) 2008-2009 Jan Dittberner <jan@dittberner.info>

Modifications: Added cronjob, configuration file, and man pages.

This library is free software; you can redistribute it and/or modify
it under the terms of the GNU Lesser General Public License as
published by the Free Software Foundation; either version 2.1 of the
License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but
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Lesser General Public License for more details.

A copy of the GNU Lesser General Public License 2.1 is available as
/usr/share/common-licenses/LGPL-2.1 in the Debian GNU/Linux
distribution or on the World Wide Web at
http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html. You can also
obtain it by writing to the Free Software Foundation, Inc., 51
Franklin St, Fifth Floor, Boston, MA 02110-1301, USA.

Copyright information:

CrackLib was originally licensed with a variant of the Artistic
license. In the interests of wider acceptance and more modern
licensing, it was switched with the original author's blessing to GPL
v2.

This approval was carried out in email discussions in 2005, and has
been reconfirmed as of 2007-10-01 with the following email from Alec
Muffett. Cracklib's license was changed from the GPL to the LGPL after
consensus of all previous developers in October 2008, effective with
release 2.8.15 released on 2009-11-19. See the email discussion below
for both license changes.
EFFECTIVE OCT 2008, LICENSE IS BEING CHANGED TO LGPL-2.1 (though not reflected in released code until Nov 2009 - slow release cycle...)

Discussion thread from mailing list archive, with approval from everyone actively involved or holding original licensing rights included.

[Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16

Attachments: Message as HTML

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Nathan Neulinger EMail: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
UMR Information Technology Fax: (573) 341-4216

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> [mailto:cracklib-devel-bounces@li...] On Behalf Of
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> Sent: Monday, October 01, 2007 8:15 PM
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> Sent: Monday, October 01, 2007 8:33 PM
To: Neulinger, Nathan
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Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57
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What I am hearing so far is that LGPL makes sense, since it can be
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I like GPL, I use it when I can, but I don't think that it's the correct license in this situation.

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If it's sinful, it's more fun.

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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,

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Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-05 21:27

Attachments: Message as HTML
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yes. go for it. thanks++

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--------
BELOW IS ORIGINAL LICENSING DISCUSSION RE CHANGING TO GPL from Artistic.
--------

CrackLib was originally licensed with a variant of the Artistic license. In the interests of wider acceptance and more modern licensing, it was switched with the original author's blessing to GPL v2.

This approval was carried out in email discussions in 2005, and has been reconfirmed as of 2007-10-01 with the following email from Alec Muffett.

The below email references nneul@umr.edu address, as that is the address that was used at the time. For any future emails regarding this, please use nneul@neulinger.org.

------------------------------------------------------------------
From alecm@crypticide.com Mon Oct  1 12:26:03 2007
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
  Mon, 1 Oct 2007 12:26:03 -0500
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
  Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu (131.151.1.43)
  by scanin-ipvs.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])
  by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id I91Gxtp020623
  for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500
The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)

- a
Discussion thread from mailing list archive, with approval from everyone actively involved or holding original licensing rights included.

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From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16

Attachments: Message as HTML

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From alecm@crypticide.com Mon 1 12:26:03 2007
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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 spunky-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])
 by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id l91Gxtpr020623
for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0000
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])
The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)
1.2166 lib-pq 1.7.0

1.2166.1 Available under license:

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Portions Copyright (C) 2011 Blake Mizerany

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person(s) to whom the Software is furnished to do so, subject to the following conditions:

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COPYRIGHT 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 THE USE OR OTHER DEALINGS IN THE SOFTWARE.

1.2167 netty-codec 4.1.63.Final

1.2167.1 Available under license:

No license file was found, but licenses were detected in source scan.

~ Copyright 2012 The Netty Project
~
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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
~ under the License.

Found in path(s):
* /opt/cola/permits/1168236992_1621962033.53/0/netty-codec-4-1-63-final-jar/META-INF/maven/io.netty/netty-codec/pom.xml

No license file was found, but licenses were detected in source scan.
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: 4.1.63.Final
Built-By: root
Bnd-LastModified: 1617274774525
Bundle-ManifestVersion: 2
Implementation-Vendor-Id: io.netty
Bundle-DocURL: https://netty.io/
Bundle-Vendor: The Netty Project
Import-Package: com.google.protobuf;version="[2.6,3)";resolution=optional,com.google.protobuf.nano;resolution=optional,com.jcraft.jzlib;resolution=optional,com.ning.compress;version="[1.0,2)";resolution=optional,com.ning.compress.lzf;version="[1.0,2)";resolution=optional,com.ning.compress.lzf.util;version="[1.0,2)";resolution=optional,io.netty.buffer;version="[4.1,5)";io.netty.channel;version="[4.1,5)";io.netty.channel.socket;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)";lzma.sdk;resolution=optional,lzma.sdk.lzma;resolution=optional,net.jpountz.lz4;resolution=optional,net.jpountz.xxhash;resolution=optional,org.jboss.marshalling;resolution=optional,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
version="4.1.63",io.netty.handler.codec.xml;uses:="io.netty.buffer.io.netty.channel,io.netty.handler.codec";version="4.1.63"
Bundle-Name: Netty/Codec
Bundle-Version: 4.1.63.Final
Created-By: Apache Maven Bundle Plugin
Build-Jdk: 1.8.0_272
Implementation-URL: https://netty.io/netty-codec/

Found in path(s):
* /opt/cola/permits/1168236992_1621962033.53/0/netty-codec-4-1-63-final-jar/META-INF/MANIFEST.MF

1.2168 ewma 1.1.1

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1.2174 go-autorest-date 0.2.0

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1.2183 x-sys 0.0.0-20200915084602-288bc346aa39

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* /opt/ws_local/PERMITS_SQL/1068233880_1594324310.84/0/netty-buffer-4-1-50-final-sources-1-jar/io/netty-buffer/UnpooledUnsafeNoCleanerDirectByteBuf.java
* /opt/ws_local/PERMITS_SQL/1068233880_1594324310.84/0/netty-buffer-4-1-50-final-sources-1-jar/io/netty-buffer/AbstractPooledDerivedByteBuf.java
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 */
/**
 * XSLT-driven View that allows for response context to be rendered as the
 * result of an XSLT transformation.
 *
 * <p>The XSLT Source object is supplied as a parameter in the model and then
 * [ @link #locateSource detected ] during response rendering. Users can either specify
 * a specific entry in the model via the [ @link #setSourceKey sourceKey ] property or
 * have Spring locate the Source object. This class also provides basic conversion
 * of objects into Source implementations. See [ @link #getSourceTypes() here]
 * for more details.
 */
All model parameters are passed to the XSLT Transformer as parameters. In addition the user can configure [@link #setOutputProperties output properties] to be passed to the Transformer.

@since 2.0

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  jar/org/springframework/web/servlet/tags/form/HiddenInputTag.java
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* /opt/ws_local/PERMITS_SQL/1068412523_1594396285.89/0/spring-webmvc-5-2-5-release-sources-1.jar/org/springframework/web/servlet/view/XmlViewResolver.java
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* /opt/ws_local/PERMITS_SQL/1068412523_1594396285.89/0/spring-webmvc-5-2-5-release-sources-1.jar/org/springframework/web/servlet/tags/CheckboxTag.java
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1.2189 avro-guava-dependencies 1.8.2

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Found in path(s):
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-
  jar/javassist/bytecode/annotation/MemberValue.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-
  jar/javassist/bytecode/annotation/ByteMemberValue.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-
  jar/javassist/bytecode/annotation/EnumMemberValue.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-
  jar/javassist/bytecode/annotation/ClassMemberValue.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-
  jar/javassist/bytecode/annotation/AnnotationMemberValue.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-
  jar/javassist/bytecode/annotation/IntegerMemberValue.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-
  jar/javassist/bytecode/annotation/StringMemberValue.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-
  jar/javassist/bytecode/annotation/LongMemberValue.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-
  jar/javassist/bytecode/annotation/FloatMemberValue.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-
  jar/javassist/bytecode/annotation/CharMemberValue.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-
  jar/javassist/bytecode/annotation/BooleanMemberValue.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-
  jar/javassist/bytecode/annotation/ShortMemberValue.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-
  jar/javassist/bytecode/annotation/Annotation.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-
  jar/javassist/bytecode/annotation/ArrayMemberValue.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-
  jar/javassist/bytecode/annotation/DoubleMemberValue.java

1.2191 mwitkow-go-conntrack 0.0.0-
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 */
/**
 * Constructs a new [@link Textifier]. <i>Subclasses must not use this

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* constructor</i>. Instead, they must use the {@link #Textifier(int)}
* version.
*
* @throws IllegalStateException
*     If a subclass calls this constructor.
*/

Found in path(s):
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  jar/org/objectweb/asm/util/ASMifier.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-
  jar/org/objectweb/asm/tree/LdcInsnNode.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-
jar/org/objectweb/asm/optimizer/MethodConstantsCollector.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-
jar/org/objectweb/asm/util/TraceFieldVisitor.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/Edge.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-
jar/org/objectweb/asm/tree/analysis/Frame.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-
jar/org/objectweb/asm/tree/IntInsnNode.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-
jar/org/objectweb/asm/tree/InsnNode.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-
jar/org/objectweb/asm/tree/analysis/AnalyzerException.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-
jar/org/objectweb/asm/tree/analysis/SimpleVerifier.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-
jar/org/objectweb/asm/tree/FieldNode.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-
jar/org/objectweb/asm/tree/LookupSwitchInsnNode.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-
jar/org/objectweb/asm/tree/try/checkSignatureAdapter.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-
jar/org/objectweb/asm/commons/AdviceAdapter.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-
jar/org/objectweb/asm/tree/ClassVisitor.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-
jar/org/objectweb/asm/tree/FieldInsnNode.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-
jar/org/objectweb/asm/tree/LocalVariableNode.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-
jar/org/objectweb/asm/tree/ClassLoader.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-
jar/org/objectweb/asm/ClassWriter.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-
jar/org/objectweb/asm/signature/SignatureReader.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-
jar/org/objectweb/asm/tree/analysis/Interpreter.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-
jar/org/objectweb/asm/tree/TryCatchBlockNode.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-
jar/org/objectweb/asm/signature/SourceReader.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-
jar/org/objectweb/asm/tree/analysis/SourceInterpreter.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-
jar/org/objectweb/asm/tree/LineNumberNode.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-
jar/org/objectweb/asm/ClassReader.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-
jar/org/objectweb/asm/ClassWriter.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/FieldVisitor.java
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* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/tree/analysis/Value.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/signature/SignatureWriter.java
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* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/optimizer/MethodOptimizer.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/tree/InsnList.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/MethodVisitor.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/optimizer/Constant.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/MethodVisitor.java

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/**
 * Constructs a new [@link ClassNode]. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the [@link #ClassNode(int)]
 * version.
 *
 * @throws IllegalStateException
 *             If a subclass calls this constructor.
 */

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/**
 * Constructs a new \{@link LocalVariableAnnotationNode\}. \lti>Subclasses must
 * not use this constructor</ti>. Instead, they must use the
 * \{@link #LocalVariableAnnotationNode(int, TypePath, LabelNode[], LabelNode[], int[], String)}
 * version.
 *
 * @param typeRef
 * a reference to the annotated type. See \{@link TypeReference\}.
 * @param typePath
 * the path to the annotated type argument, wildcard bound, array
 * element type, or static inner type within 'typeRef'. May be
 * \tt<null>\tt if the annotation targets 'typeRef' as a whole.
 * @param start
 * the fist instructions corresponding to the continuous ranges
 * that make the scope of this local variable (inclusive).
 * @param end
 * the last instructions corresponding to the continuous ranges
 * that make the scope of this local variable (exclusive). This
 * array must have the same size as the 'start' array.
 * @param index
 * the local variable's index in each range. This array must have
 * the same size as the 'start' array.
 * @param desc
 * the class descriptor of the annotation class.
 */

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/**
 * Creates a new [@link AnalyzerAdapter]. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * [@link #AnalyzerAdapter(int, String, int, String, String, MethodVisitor)]
 * version.
 *
 * @param owner
 *    the owner's class name.
 * @param access
 *    the method's access flags (see [@link Opcodes]).
 * @param name
 *    the method's name.
 * @param desc
 *    the method's descriptor (see [@link Type]).
 * @param mv
 *    the method visitor to which this adapter delegates calls. May
 *    be <tt>null</tt>.
 * @throws IllegalStateException
 *    If a subclass calls this constructor.
 */

Found in path(s):
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-
  jar/org/objectweb/asm/commons/AnalyzerAdapter.java
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/**
 * Creates a new JSRInliner. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * {@link #JSRInlinerAdapter(int, MethodVisitor, int, String, String, String, String[])}
 * version.
 *
 * @param mv            the <code>MethodVisitor</code> to send the resulting inlined
 *                       method code to (use <code>null</code> for none).
 * @param access        the method's access flags (see {@link Opcodes}). This
 *                       parameter also indicates if the method is synthetic and/or
 *                       deprecated.
 * @param name          the method's name.
 * @param desc          the method's descriptor (see {@link Type}).
 * @param signature     the method's signature. May be <tt>null</tt>.
 * @param exceptions    the internal names of the method's exception classes (see
 *                       {@link Type#getName()}). May be
*<tt>null</tt>. *
* @throws IllegalStateException
* If a subclass calls this constructor.
*/

Found in path(s):
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-
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  jar/org/objectweb/asm/optimizer/shrink-signatures.properties
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-
  jar/org/objectweb/asm/optimizer/shrink-annotations.properties
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-
  jar/org/objectweb/asm/optimizer/shrink-frames.properties
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-
  jar/org/objectweb/asm/optimizer/shrink.properties
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-
  jar/org/objectweb/asm/optimizer/shrink-writer.properties
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-
  jar/org/objectweb/asm/optimizer/shrink-resize.properties
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 * Creates a new [@link GeneratorAdapter]. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * [ {@link #GeneratorAdapter(int, MethodVisitor, int, String, String)}]
 * version.
 *
 * @param mv
 * the method visitor to which this adapter delegates calls.
 * @param access
 * the method's access flags (see [ @link Opcodes ]).
 * @param name
 * the method's name.
 * @param desc
 * the method's descriptor (see [ @link Type Type ]).
 * @throws IllegalStateException
 * If a subclass calls this constructor.
 */

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* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-
  jar/org/objectweb/asm/xml/SAXClassAdapter.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-
  jar/org/objectweb/asm/xml/Processor.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-
  jar/org/objectweb/asm/xml/SAXAdapter.java
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  jar/org/objectweb/asm/xml/SAXCodeAdapter.java
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  jar/org/objectweb/asm/xml/SAXAnnotationAdapter.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-
  jar/org/objectweb/asm/xml/SAXFieldAdapter.java

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  * /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/util/ASMifiable.java
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* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5.0.4-sources-5-jar/org/objectweb/asm/signature/package.html
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1.2193 python-jinja 2.7.2-4.el7

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# that the second address should be recognized as the
# same person when interacting with Rietveld.
# Please keep the list sorted.

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1.2200 sarama 1.22.2-0.20190604114437-cd910a683f9f

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1.2201 shared-mime-info 1.1 9.el7

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 */

size: 8388608, sector size: 512, PT: dos, offset: 446, id=0x8f8378c0
---

#1:  32  7648  0x83
#2:  7680  8704  0xa5
#5:  7936  4864  0x7 (freebsd)
#6:  12544  3584  0x7 (freebsd)
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Initialize empty image
f1c9645d14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57c721e38d1266c2df055067c18f2cf9 bsd.img

---layout--------
  __ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

Device Boot Start End Blocks Id System
-----------

Create 1st primary partition
ada64ace122978d00d1d1c0e5ee45d26 bsd.img

---layout--------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

Device Boot Start End Blocks Id System
-----------
__ts_dev__1 2048 4095 1024 83 Linux

Create 2st primary partition
1beb87248e05d6e4e62b749da65d023 bsd.img
Set 2nd partition type
2d8e8dff51a88a045db233418dd73fbe bsd.img

---layout--------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

Device Boot Start End Blocks Id System
-----------
__ts_dev__1 2048 4095 1024 83 Linux
__ts_dev__2 4096 20479 8192 a5 FreeBSD

Create default BSD
2e1cee529cb59c9341afe0443f196a1 bsd.img

---layout--------

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
4 partitions:
#       start       end      size     fstype   [fsize bsize   cpg]
c:     4096     20479     16384     unused        0     0
 d:        0     16064     16065     unused        0     0

BSD disklabel command (m for help):
Command (m for help):

-------------------

b5c121c2091b2ff26b880551feac7112 bsd.img

---layout--------

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
4 partitions:
#       start       end      size     fstype   [fsize bsize   cpg]
a:     4096      6144      2049     4.2BSD        0     0     0
c:     4096     20479     16384     unused        0     0
 d:        0     16064     16065     unused        0     0

BSD disklabel command (m for help):
Command (m for help):

-------------------

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
0  unused           5  4.1BSD           9  4.4LFS           d  boot
1  swap             6  Eighth Edition   a  unknown          e  ADOS
2  Version 6        7  4.2BSD           b  HPFS             f  HFS
1.2210 gonum-graph 0-9.14-2020

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Found in path(s):
* /opt/cola/permits/1239273552_1639076817.11/0/graph-0-9-tar-gz/graph-0.9/traverse/traverse.go
* /opt/cola/permits/1239273552_1639076817.11/0/graph-0-9-tar-gz/graph-0.9/traverse/traverse_test.go
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Found in path(s):
* /opt/cola/permits/1239273552_1639076817.11/0/graph-0-9-tar-gz/graph-0.9/graph.go
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Found in path(s):
* /opt/cola/permits/1239273552_1639076817.11/0/graph-0-9-tar-gz/graph-0.9/concrete/concrete.go
* /opt/cola/permits/1239273552_1639076817.11/0/graph-0-9-tar-gz/graph-0.9/concrete/mutdir_test.go
* /opt/cola/permits/1239273552_1639076817.11/0/graph-0-9-tar-gz/graph-0.9/search/disjointset_test.go
* /opt/cola/permits/1239273552_1639076817.11/0/graph-0-9-tar-gz/graph-0.9/search/non_tomita_choice.go
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* /opt/cola/permits/1239273552_1639076817.11/0/graph-0-9-tar-gz/graph-0.9/search/set.go
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* /opt/cola/permits/1239273552_1639076817.11/0/graph-0-9-tar-gz/graph-0.9/search/internals.go
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* /opt/cola/permits/1239273552_1639076817.11/0/graph-0-9-tar-gz/graph-0.9/concrete/mutablegr_test.go
* /opt/cola/permits/1239273552_1639076817.11/0/graph-0-9-tar-gz/graph-0.9/concrete/dense.go
* /opt/cola/permits/1239273552_1639076817.11/0/graph-0-9-tar-gz/graph-0.9/concrete/densegraph_test.go
* /opt/cola/permits/1239273552_1639076817.11/0/graph-0-9-tar-gz/graph-0.9/concrete/tilegraph.go
* /opt/cola/permits/1239273552_1639076817.11/0/graph-0-9-tar-gz/graph-0.9/concrete/mutdir.go
* /opt/cola/permits/1239273552_1639076817.11/0/graph-0-9-tar-gz/graph-0.9/concrete/mutablegr.go
* /opt/cola/permits/1239273552_1639076817.11/0/graph-0-9-tar-gz/graph-0.9/concrete/tilegraph_test.go
* /opt/cola/permits/1239273552_1639076817.11/0/graph-0-9-tar-gz/graph-0.9/concrete/util.go
* /opt/cola/permits/1239273552_1639076817.11/0/graph-0-9-tar-gz/graph-0.9/search/tomita_choice.go
1.2211 jetty-security 9.4.42.v20210604

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
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org.ow2.asm:asm-commons
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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/fr/FrenchLightStemmer.java
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The Stempel analyzer (stempel) includes BSD-licensed software developed by the Egothor project http://egothor.sf.net/, created by Leo Galambos, Martin Kvapil, and Edmond Nolan.

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The SmartChineseAnalyzer source code (smartcn) was provided by Xiaoping Gao and copyright 2009 by www.imdict.net.

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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

-----
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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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville. Permission to use, copy, modify and distribute UnixCrypt for non-commercial or commercial purposes and without fee is granted provided that the copyright notice appears in all copies.

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1.2233 unzip 6.0-21.el7_9.0atomix1

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"He says that he thought that whoever contacted him understood that he has no objection to the Info-ZIP group's inclusion of his code. His primary concern is that it remain freely distributable, he said."

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The remaining code was written by many people associated with the Info-ZIP group, with large contributions from (but not limited to): Greg Roelofs (overall program logic, ZipInfo, unshrink, filename mapping/portability, etc.), Mark Adler (inflate, explode, unzip), Kai Uwe Rommel (OS/2), John Bush and Paul Kienitz (Amiga), Antoine Verheijen (Macintosh), Hunter Goatley (more VMS), Mike White (Windows DLLs), Christian Spieler (overall logic, optimization, VMS, etc.) and others. See the file CONTRIBUTIONS in the source distribution for a much more complete list of contributors.

The decompression core code for the deflate method (inflate.[ch], explode.[c]) was originally written by Mark Adler who submitted it as public domain code.

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1.2236 spring-boot-starter-undertow

2.1.8.RELEASE

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* /opt/ws_local/PERMITS_SQL/1068412377_1594388731.73/0/spring-beans-5-2-5-release-sources-1-jar/org/springframework/beans/propertyeditors/LocaleEditor.java
* /opt/ws_local/PERMITS_SQL/1068412377_1594388731.73/0/spring-beans-5-2-5-release-sources-1-jar/org/springframework/beans/factory/support/SecurityContextProvider.java
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* /opt/ws_local/PERMITS_SQL/1068412377_1594388731.73/0/spring-beans-5-2-5-release-sources-1-jar/org/springframework/beans/factory/propertyeditors/BeanIsAbstractException.java
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jar/org/springframework/beans/factory/config/ConstructorArgumentValues.java
1.2239 byte-buddy 1.9.10
Manifest-Version: 1.0
Bundle-Description: Byte Buddy is a Java library for creating Java classes at run time. This artifact is a build of Byte Buddy with all ASM dependencies repackaged into its own name space.
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt
Bundle-SymbolicName: net.bytebuddy.byte-buddy
Built-By: rafael
Bnd-LastModified: 1549908028499
Bundle-ManifestVersion: 2
Tool: Bnd-3.5.0.201709291849
Main-Class: net.bytebuddy.build.Plugin$Engine$Default
Export-Package: net.bytebuddy;version="1.9.10",net.bytebuddy.agent.builder;version="1.9.10",net.bytebuddy.asm;version="1.9.10",net.bytebuddy.build;version="1.9.10",net.bytebuddy.description;version="1.9.10",net.bytebuddy.description.annotation;version="1.9.10",net.bytebuddy.description.enumeration;version="1.9.10",net.bytebuddy.description.field;version="1.9.10",net.bytebuddy.description.method;version="1.9.10",net.bytebuddy.description.modifier;version="1.9.10",net.bytebuddy.description.type;version="1.9.10",net.bytebuddy.dynamic;version="1.9.10",net.bytebuddy.dynamic.loading;version="1.9.10",net.bytebuddy.dynamic.scaffold;version="1.9.10",net.bytebuddy.dynamic.scaffold.inline;version="1.9.10",net.bytebuddy.dynamic.scaffold.subclass;version="1.9.10",net.bytebuddy.implementation;version="1.9.10",net.bytebuddy.implementation.attribute;version="1.9.10",net.bytebuddy.implementation.auxiliary;version="1.9.10",net.bytebuddy.implementation.bind;version="1.9.10",net.bytebuddy.implementation.bind.annotation;version="1.9.10",net.bytebuddy.implementation.bytecode;version="1.9.10",net.bytebuddy.implementation.bytecode.assign;version="1.9.10",net<bytebuddy.implementation.bytecode.assign.primitive;version="1.9.10",net.bytebuddy.implementation.bytecode.assign.reference;version="1.9.10",net.bytebuddy.implementation.bytecode.collection;version="1.9.10",net.bytebuddy.implementation.bytecode.constant;version="1.9.10",net.bytebuddy.implementation.bytecode.member;version="1.9.10",net.bytebuddy.matcher;version="1.9.10",net.bytebuddy.pool;version="1.9.10",net.bytebuddy.util;version="1.9.10",net.bytebuddy.utility.privilege;version="1.9.10",net.bytebuddy.utility.visitor;version="1.9.10",net.bytebuddy.jar.asm;version="1.9.10",net.bytebuddy.jar.asm.signature;version="1.9.10",net.bytebuddy.jar.asm.commons;version="1.9.10"
Bundle-Name: Byte Buddy (without dependencies)
Bundle-Version: 1.9.10
Multi-Release: true
Created-By: Apache Maven Bundle Plugin
Build-Jdk: 1.8.0_201

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* /opt/cola/permits/1200619934_1630904807.75/0/byte-buddy-1-9-10-sources-2-jar/net/bytebuddy/dynamic/scaffold/inline/RebaseImplementationTarget.java
* /opt/cola/permits/1200619934_1630904807.75/0/byte-buddy-1-9-10-sources-2-jar/net/bytebuddy/implementation/bind/annotation/SuperMethod.java
* /opt/cola/permits/1200619934_1630904807.75/0/byte-buddy-1-9-10-sources-2-jar/net/bytebuddy/matcher/LatentMatcher.java
* /opt/cola/permits/1200619934_1630904807.75/0/byte-buddy-1-9-10-sources-2-jar/net/bytebuddy/implementation/bind/annotation/SuperCall.java
* /opt/cola/permits/1200619934_1630904807.75/0/byte-buddy-1-9-10-sources-2-jar/net/bytebuddy/description/package-info.java
* /opt/cola/permits/1200619934_1630904807.75/0/byte-buddy-1-9-10-sources-2-jar/net/bytebuddy/implementation/bytecode/HashCodeAndEqualsPlugin.java
* /opt/cola/permits/1200619934_1630904807.75/0/byte-buddy-1-9-10-sources-2-jar/net/bytebuddy/matcher/HashCodeAndEqualsPlugin.java
* /opt/cola/permits/1200619934_1630904807.75/0/byte-buddy-1-9-10-sources-2-jar/net/bytebuddy/dynamic/loading/ClassLoader.java
* /opt/cola/permits/1200619934_1630904807.75/0/byte-buddy-1-9-10-sources-2-jar/net/bytebuddy/implementation/bytecode/assign/primitive/PrimitiveTypeAwareAssigner.java
* /opt/cola/permits/1200619934_1630904807.75/0/byte-buddy-1-9-10-sources-2-jar/net/bytebuddy/implementation/attribute/package-info.java
* /opt/cola/permits/1200619934_1630904807.75/0/byte-buddy-1-9-10-sources-2-jar/net/bytebuddy/matcher/SuperTypeMatcher.java
* /opt/cola/permits/1200619934_1630904807.75/0/byte-buddy-1-9-10-sources-2-jar/net/bytebuddy/implementation/auxiliary/TrivialType.java
* /opt/cola/permits/1200619934_1630904807.75/0/byte-buddy-1-9-10-sources-2-jar/net/bytebuddy/implementation/implementation.java
* /opt/cola/permits/1200619934_1630904807.75/0/byte-buddy-1-9-10-sources-2-jar/net/bytebuddy/description/method/package-info.java
* /opt/cola/permits/1200619934_1630904807.75/0/byte-buddy-1-9-10-sources-2-jar/net/bytebuddy/dynamic/Transformer.java
* /opt/cola/permits/1200619934_1630904807.75/0/byte-buddy-1-9-10-sources-2-jar/net/bytebuddy/implementation/bind/annotation/DefaultMethod.java
* /opt/cola/permits/1200619934_1630904807.75/0/byte-buddy-1-9-10-sources-2-jar/net/bytebuddy/matcher/DescriptorMatcher.java
* /opt/cola/permits/1200619934_1630904807.75/0/byte-buddy-1-9-10-sources-2-jar/net/bytebuddy/implementation/InvocationHandlerAdapter.java
* /opt/cola/permits/1200619934_1630904807.75/0/byte-buddy-1-9-10-sources-2-jar/net/bytebuddy/description/DeclaredByType.java
* /opt/cola/permits/1200619934_1630904807.75/0/byte-buddy-1-9-10-sources-2-jar/net/bytebuddy/matcher/AccessibilityMatcher.java
* /opt/cola/permits/1200619934_1630904807.75/0/byte-buddy-1-9-10-sources-2-jar/net/bytebuddy/dynamic/scaffold/ClassWriterStrategy.java
* /opt/cola/permits/1200619934_1630904807.75/0/byte-buddy-1-9-10-sources-2-jar/net/bytebuddy/matcher/IsNamedMatcher.java
* /opt/cola/permits/1200619934_1630904807.75/0/byte-buddy-1-9-10-sources-2-jar/net/bytebuddy/dynamic/scaffold/MethodRegistry.java
* /opt/cola/permits/1200619934_1630904807.75/0/byte-buddy-1-9-10-sources-2-jar/net/bytebuddy/description/annotation/package-info.java
* /opt/cola/permits/1200619934_1630904807.75/0/byte-buddy-1-9-10-sources-2-jar/net/bytebuddy/matcher/SignatureTokenMatcher.java
* /opt/cola/permits/1200619934_1630904807.75/0/byte-buddy-1-9-10-sources-2-jar/net/bytebuddy/implementation/auxiliary/PrivilegedMemberLookupAction.java
* /opt/cola/permits/1200619934_1630904807.75/0/byte-buddy-1-9-10-sources-2-jar/net/bytebuddy/description/annotation/AnnotationSource.java
* /opt/cola/permits/1200619934_1630904807.75/0/byte-buddy-1-9-10-sources-2-jar/net/bytebuddy/matcher/InstanceTypeMatcher.java
* /opt/cola/permits/1200619934_1630904807.75/0/byte-buddy-1-9-10-sources-2-jar/net/bytebuddy/implementation/bytecode/Multiplication.java
* /opt/cola/permits/1200619934_1630904807.75/0/byte-buddy-1-9-10-sources-2-jar/net/bytebuddy/implementation/bind/annotation/StubValue.java
* /opt/cola/permits/1200619934_1630904807.75/0/byte-buddy-1-9-10-sources-2-jar/net/bytebuddy/implementation/bytecode/collection/package-info.java
* /opt/cola/permits/1200619934_1630904807.75/0/byte-buddy-1-9-10-sources-2-jar/net/bytebuddy/dynamic/scaffold/inline/MethodRebaseResolver.java
* /opt/cola/permits/1200619934_1630904807.75/0/byte-buddy-1-9-10-sources-2-jar/net/bytebuddy/matcher/MethodExceptionTypeMatcher.java
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* /opt/cola/permits/1200619934_1630904807.75/0/byte-buddy-1-9-10-sources-2-jar/net/bytebuddy/jar/asm/Constants.java
* /opt/cola/permits/1200619934_1630904807.75/0/byte-buddy-1-9-10-sources-2-jar/net/bytebuddy/jar/asm/AnnotationVisitor.java
* /opt/cola/permits/1200619934_1630904807.75/0/byte-buddy-1-9-10-sources-2-jar/net/bytebuddy/jar/asm/ModuleWriter.java
* /opt/cola/permits/1200619934_1630904807.75/0/byte-buddy-1-9-10-sources-2-jar/net/bytebuddy/jar/asm/Handler.java
* /opt/cola/permits/1200619934_1630904807.75/0/byte-buddy-1-9-10-sources-2-jar/net/bytebuddy/jar/asm/signature/Sig...
* /opt/cola/permits/1200619934_1630904807.75/0/byte-buddy-1-9-10-sources-2-jar/net/bytebuddy/jar/asm/ClassTooLargeException.java
* /opt/cola/permits/1200619934_1630904807.75/0/byte-buddy-1-9-10-sources-2-jar/net/bytebuddy/jar/asm/Context.java
* /opt/cola/permits/1200619934_1630904807.75/0/byte-buddy-1-9-10-sources-2-jar/net/bytebuddy/jar/asm/ClassReader.java
* /opt/cola/permits/1200619934_1630904807.75/0/byte-buddy-1-9-10-sources-2-jar/net/bytebuddy/jar/asm/signature/SignatureVisitor.java
* /opt/cola/permits/1200619934_1630904807.75/0/byte-buddy-1-9-10-sources-2-jar/net/bytebuddy/jar/asm/ClassVisitor.java
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* /opt/cola/permits/1200619934_1630904807.75/0/byte-buddy-1-9-10-sources-2-jar/net/bytebuddy/jar/asm/ClassWriter.java
* /opt/cola/permits/1200619934_1630904807.75/0/byte-buddy-1-9-10-sources-2-jar/net/bytebuddy/jar/asm/Symbol.java
* /opt/cola/permits/1200619934_1630904807.75/0/byte-buddy-1-9-10-sources-2-jar/net/bytebuddy/jar/asm/signature/SignatureReader.java
* /opt/cola/permits/1200619934_1630904807.75/0/byte-buddy-1-9-10-sources-2-jar/net/bytebuddy/jar/asm/Handle.java
* /opt/cola/permits/1200619934_1630904807.75/0/byte-buddy-1-9-10-sources-2-jar/net/bytebuddy/jar/asm/Frame.java

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* /opt/cola/permits/1200619934_1630904807.75/0/byte-buddy-1-9-10-sources-2-
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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<td>lib/interception/mach_override</td>
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1.2249 pierrec-lz4 2.0.5+incompatible

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Protocol Buffers for Go with Gadgets

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Go support for Protocol Buffers - Google's data interchange format

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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

------

Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

------

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl
These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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Z0kttk0bTHfwaa5TtxQbScw=
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LBDVaad1bJ1v1EHY901kPcg= =6qpm
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Version: GnuPG v1.4.10 (GNU/Linux)
iQEcBAEBAgAGBQJQBb4tAAoJEMHhjBmtgF91HDcHI/2nQDPuPztWFrBifnEoLF6JlRUKfJzAPZaLdtDMfdDz7ucdRL1RDodmz4VIF2+fKeBYQquZXiXIeGhz+tKriK30Ml2guFkNLdEQTq9h2p3zu9U3K0y4m84IDWq72HRmh1nRyD6lzZFbDGZ/D+69fFtgyGOFwEit00MAqjIRbsXHLpBOY+jYh/Xy+QRnQTcAQ+tAgOiXds3w+JRs2sGdesYLAJQQacLeGh7EzD3F+CKuiwT4c5ub64tdXSIAVj1u20jZBfqLaj3FA60Ti+i3KnFNWKpzaeX+SQgMak6hsuatXi6EsV66sIaskwEgl6+Xk+HYWy23ZQ8BKQRLKOZTw= =gAqN
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iD8DBQFEt1ZxHR/ESK2w6H8RApbOAJ9c1eooNrr2oN59WZVitJExGjJuVkgCfaKji6etDJ6Auj0jTuS59hUsWMQ=
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<table>
<thead>
<tr>
<th>Name</th>
<th>Date added</th>
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<tbody>
<tr>
<td>Simone Bordet</td>
<td>12 September 2006</td>
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Full name: David Jencks
E-Mail: david_jencks@yahoo.com
Mailing Address: 2215 SE 39th Ave, Portland OR 97214 USA

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E-Mail: jules@coredevelopers.net
Mailing Address: 2, Tannery Cottages, Tannery Lane, Bramley, Surrey, GU5 0AB, UK.

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* https://github.com/eclipse-ee4j/glassfish-hk2-extra
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End:

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* /opt/cola/permits/1136404733_1613763670.46/0/spatial4j-0-7-sources-4-
  jar/org/locationtech/spatial4j/io/jackson/GeometryAsWKTSerializer.java
* /opt/cola/permits/1136404733_1613763670.46/0/spatial4j-0-7-sources-4-
  jar/org/locationtech/spatial4j/io/jackson/ShapesAsWKTModule.java
* /opt/cola/permits/1136404733_1613763670.46/0/spatial4j-0-7-sources-4-
  jar/org/locationtech/spatial4j/io/jackson/GeometryDeserializer.java
* /opt/cola/permits/1136404733_1613763670.46/0/spatial4j-0-7-sources-4-
  jar/org/locationtech/spatial4j/io/jackson/GeometryAsWKTSerializer.java
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  jar/org/locationtech/spatial4j/io/jackson/ShapeDeserializer.java
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  jar/org/locationtech/spatial4j/io/jackson/GeometryAsWKTSerializer.java
* /opt/cola/permits/1136404733_1613763670.46/0/spatial4j-0-7-sources-4-
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* /opt/cola/permits/1136404733_1613763670.46/0/spatial4j-0-7-sources-4.jar/org/locationtech/spatial4j/io/jts/JtsGeoJSONWriter.java
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* /opt/cola/permits/1136404733_1613763670.46/0/spatial4j-0-7-sources-4.jar/org/locationtech/spatial4j/io/GeoJSONWriter.java
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[This is the first released version of the library GPL. It is
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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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# same person when interacting with Rietveld.
#
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Protocol Buffers for Go with Gadgets

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http://github.com/gogo/protobuf

Go support for Protocol Buffers - Google's data interchange format

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---
layout: api
page_title: License - Operator - HTTP API
sidebar_current: api-operator-license
description: The /operator/license endpoints allow for setting and retrieving the Consul Enterprise License.
# License - Operator HTTP API

--> **Enterprise Only!** This API endpoint and functionality only exists in Consul Enterprise. This is not present in the open source version of Consul.

The licensing functionality described here is available only in [Consul Enterprise](https://www.hashicorp.com/products/consul/) version 1.1.0 and later.

## Getting the Consul License

This endpoint gets information about the current license.

<table>
<thead>
<tr>
<th>Method</th>
<th>Path</th>
<th>Produces</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>GET</code></td>
<td><code>/operator/license</code></td>
<td><code>application/json</code></td>
</tr>
</tbody>
</table>

The table below shows this endpoint's support for [blocking queries](/api/features/blocking.html), [consistency modes](/api/features/consistency.html), [agent caching](/api/features/caching.html), and [required ACLs](/api/index.html#authentication).

<table>
<thead>
<tr>
<th>Blocking Queries</th>
<th>Consistency Modes</th>
<th>Agent Caching</th>
<th>ACL Required</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>NO</code></td>
<td><code>all</code></td>
<td><code>none</code></td>
<td><code>none</code></td>
</tr>
</tbody>
</table>

### Parameters

- `dc` `(string: "")` - Specifies the datacenter whose license should be retrieved. This will default to the datacenter of the agent serving the HTTP request. This is specified as a URL query parameter.

### Sample Request

```
$ curl \\
http://127.0.0.1:8500/v1/operator/license
```

### Sample Response

```
{
  "Valid": true,
  "License": {
    "license_id": "2afbf681-0d1a-0649-cb6c-333ec9f0989c",
    "customer_id": "0259271d-8ffe-e85e-0830-c0822c1f5f2b",
    "installation_id": "*",
  }
}
```
This endpoint updates the Consul license and returns some of the license contents as well as any warning messages regarding its validity.

<table>
<thead>
<tr>
<th>Method</th>
<th>Path</th>
<th>Produces</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>PUT</code></td>
<td><code>/operator/license</code></td>
<td><code>application/json</code></td>
</tr>
</tbody>
</table>

The table below shows this endpoint's support for [blocking queries](/api/features/blocking.html), [consistency modes](/api/features/consistency.html), [agent caching](/api/features/caching.html), and [required ACLs](/api/index.html#authentication).

```
<table>
<thead>
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<th>Agent Caching</th>
<th>ACL Required</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>NO</code></td>
<td><code>none</code></td>
<td><code>none</code></td>
<td><code>operator:write</code></td>
</tr>
</tbody>
</table>
```

### Parameters

- `dc` `(string: "")` - Specifies the datacenter whose license should be updated. This will default to the datacenter of the agent serving the HTTP request. This is specified as a URL query parameter.

### Sample Payload
The payload is the raw license blob.

### Sample Request

```text
$ curl \
  --request PUT \ 
  --data @consul.license \ 
  http://127.0.0.1:8500/v1/operator/license 
```

### Sample Response

```json
{
  "Valid": true,
  "License": {
    "license_id": "2afbf681-0d1a-0649-cb6c-333ec9f0989c",
    "customer_id": "0259271d-8ffc-e85e-0830-c0822c1f5f2b",
    "installation_id": "*",
    "issue_time": "2018-05-21T20:03:35.911567355Z",
    "start_time": "2018-05-21T04:00:00Z",
    "expiration_time": "2019-05-22T03:59:59.999Z",
    "product": "consul",
    "flags": {
      "package": "premium"
    },
    "features": [
      "Automated Backups",
      "Automated Upgrades",
      "Enhanced Read Scalability",
      "Network Segments",
      "Redundancy Zone",
      "Advanced Network Federation"
    ],
    "temporary": false
  },
  "Warnings": []
}
```

-vsphere-integrated-containers-engine-1.5.2-ga

---

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<th>Package</th>
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>>> photon-release-2.0-2.ph2

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>>> krb5-1.16-2.ph2
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>>> libdb-5.3.28-1.ph2
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>>> gmp-6.1.2-2.ph2
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>>> nspr-4.15-1.ph2
>>> nss-3.31.1-1.ph2

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>>> asaskevich_govalidator-9699ab6b38bee2e02cd3fe8b99ecf67665395c96

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>>> azure_go-ansiterm-70b2c90b260171e829f1ebd7c17f600c11858dbe

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>>> bolt_db_bolt-b514920f8f2e0a68f857e5a12c774f385a59ae9

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>>> cenkalti_backoff-b02f2bbce11d7ea6b97f282ef1771b0fe2f65ef3

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>>> client9_misspell-9a1fc2456ac9e8c9b4cbe9d005b6e7adac0d357f

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>>> codegangsta/inject-33e0aa1cb7c019ccc3fbe049a8262a6403d30504

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>>> codegangsta_cli-master

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>>> d2g_dhcp4-f0e4d29ff0231dce36e250b2ed9ff08412584bca

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>>> deckarep_golang-set-1f0f4ff8d3f9ef9328522993ce71c35890f67554

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>> dustin_go-humanize-259d2a102b871d17f30e3cd9881a642961a1e486

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>> gemnasium_logrus-airbrake-hook_v2-31e6fd4bd5a98d8ee7673d24bc54ec73c31810dd
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>>> gizak_termui-798ffbb9cbbe4073ef1f88e6069ca4a2c6aa6676b

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>>> go-check_check-20d25e2804050c1cd24a7eea1e7a6447dd0e74ec
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>>> gogo_protobuf_gogoproto-6a92c871a8f5333cf106b2cdf937567208dbb2b7

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protobuf-6a92c871a8f5333cf106b2cdf937567208dbb2b7
protobuf-6a92c871a8f5333cf106b2cdf937567208dbb2b7/vanity/test/proto3.proto

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Protocol Buffers for Go with Gadgets

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>>> nsf_termbox-go-91bae1bb5fa9ee504905ecbe7043fa30e92feaa3

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>>> opennota_urlsc-5fa9ff0392746aeae1c4b37fccc42e65afa7a9587

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objx - by Mat Ryer and Tyler Bunnell

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>>> tylerb/graceful.v1-4654dfbb6ad53cb5e27f37d99b02e16c1872fbbb

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graceful-1.2.15.zip\graceful-1.2.15\limit_listen.go

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```go
>>> x_crypto_ed25519-728b753d0135da6801d45a38e6f43ff55779c5c2
```

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>>> x_crypto_nacl_secretbox-728b753d0135da6801d45a38e6f43ff55779c5c2

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package short

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>>> x_tools_go_loader-381149a2d6e5d8f319ccf04bfefc71e03a78b868

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Julian Seward, jseward@bzip.org
bzip2/libbz2 version 1.0.6 of 6 September 2010

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include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
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For the verification of the code, its output sequence file
mt19937int.out is attached (2001/4/2)
Optimised ANSI C code for the Rijndael cipher (now AES)

@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>
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his C header file is part of the SoftFloat IEC/IEEE Floating-point
Arithmetic Package, Release 2.

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Reasonably optimised generic C-code for memcpy on Microblaze
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This code offers a very basic support for this EISA bus present in the SGI Indigo-2. It currently only supports PIO (forget about DMA for the time being). This is enough for a low-end ethernet card, but forget about your favorite SCSI card...

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linux-esx-4.9.154-1.ph2.src.rpm\linux-esx-4.9.154-1.ph2.src.cpio\linux-4.9.154.tar.xz\linux-4.9.154.tar\include\uapi\linux\dm-ioctl.h
```
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mkinstalldirs --- make directory hierarchy
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pmap.c - print process memory mapping
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uuidparse.c --- Interpret uuid encoded information. This program violates the UUID abstraction barrier by reaching into the
guts of a UUID.

Based on libuuid/src/uuid_time.c
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From Simon Josefsson
-- derivated from coreutils m4/warnings.m4

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setpwnam.c -- edit an entry in a password database.

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Edited 11/10/96 (DD/MM/YY ;-) by Nicolai Langfeldt (janl@math.uio.no)
to read /etc/passwd directly so that passwd, chsh and chfn can work on
machines that run NIS (previously YP). Changes will not be made to
usernames starting with +.

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Usage:
1) get a struct passwd from getpwnam().
   You should assume a struct passwd has an infinite number of fields, so
   you should not try to create one from scratch.
2) edit the fields you want to edit.
3) call setpwnam() with the edited struct passwd.

A _normal user_ program should never directly manipulate etc/passwd but
/use getpwnam() and (family, as well as) setpwnam().

But, setpwnam was made to _edit_ the password file. For use by chfn,
chsh and passwd. _I _HAVE_ to read and write /etc/passwd directly. Let
those who say nay be forever silent and think about how getpwnam (and
family) works on a machine running YP.

Added checks for failure of malloc() and removed error reporting to
stderr, this is a library function and should not print on the screen,
but return appropriate error codes.
27-Jan-97 - poe@daimi.aau.dk

Thanks to "two guys named Ian".

$Author: poer $
$Revision: 1.13 $
$Date: 1997/06/23 08:26:29 $

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Python bindings for the libmount library.

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Written by Ondrej Oprala and Karel Zak

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Bison implementation for Yacc-like parsers in C


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A Bison parser, made by GNU Bison 3.0.4.

Bison interface for Yacc-like parsers in C

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/Bison implementation for Yacc-like parsers in C


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This implementation of the PWB library alloca function, which is used to allocate space off the run-time stack so that it is automatically reclaimed upon procedure exit, was inspired by discussions with J. Q. Johnson of Cornell. J.Otto Tennant <jot@cray.com> contributed the Cray support.

There are some preprocessor constants that can be defined when compiling for your specific system, for improved efficiency; however, the defaults should be okay.

The general concept of this implementation is to keep track of all alloca-allocated blocks, and reclaim any that are found to be deeper in the stack than the current invocation. This heuristic does not reclaim storage as soon as it becomes invalid, but it will do so eventually.

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alloca.c -- allocate automatically reclaimed memory
(Mostly) portable public-domain implementation -- D A Gwyn

This implementation of the PWB library alloca function, 
which is used to allocate space off the run-time stack so 
that it is automatically reclaimed upon procedure exit, 
was inspired by discussions with J. Q. Johnson of Cornell. 
J.Otto Tennant <jot@cray.com> contributed the Cray support.

There are some preprocessor constants that can 
be defined when compiling for your specific system, for 
improved efficiency; however, the defaults should be okay.

The general concept of this implementation is to keep 
track of all alloca-allocated blocks, and reclaim any 
that are found to be deeper in the stack than the current 
invocation. This heuristic does not reclaim storage as 
soon as it becomes invalid, but it will do so eventually.

As a special case, alloca(0) reclaims storage without 
allocating any. It is a good idea to use alloca(0) in 
your main control loop, etc. to force garbage collection.

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Heavily modified for GnuPG by Werner Koch

/

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DRBG: Deterministic Random Bits Generator
Based on NIST Recommended DRBG from NIST SP800-90A with the following properties:
CTR DRBG with DF with AES-128, AES-192, AES-256 cores
Hash DRBG with DF with SHA-1, SHA-256, SHA-384, SHA-512 cores
HMAC DRBG with DF with SHA-1, SHA-256, SHA-384, SHA-512 cores
with and without prediction resistance

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Version 3, 29 June 2007

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or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the
The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based
on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

   You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

   These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or
linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact
that part of it is a work based on the Library, and explaining
where to find the accompanying uncombined form of the same work.

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Version 2.1, February 1999

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Preamble

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it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

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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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2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:
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d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.
6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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mgo - MongoDB driver for Go

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procfs provides functions to retrieve system, kernel and process
metrics from the pseudo-filesystem proc.

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/**
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package datatypes
type Legal_RegulatedWorkload struct {
    Entity

    Account *Account `json:"account,omitempty" xmlrpc:"account,omitempty"`

    AccountId *int `json:"accountId,omitempty" xmlrpc:"accountId,omitempty"`

    EnabledFlag *bool `json:"enabledFlag,omitempty" xmlrpc:"enabledFlag,omitempty"`

    Id *int `json:"id,omitempty" xmlrpc:"id,omitempty"`

    Type *Legal_RegulatedWorkload_Type `json:"type,omitempty" xmlrpc:"type,omitempty"`

    WorkloadTypeId *int `json:"workloadTypeId,omitempty" xmlrpc:"workloadTypeId,omitempty"`
}

type Legal_RegulatedWorkload_Type struct {
    Entity

    Id *int `json:"id,omitempty" xmlrpc:"id,omitempty"`

    KeyName *string `json:"keyName,omitempty" xmlrpc:"keyName,omitempty"`

    Name *string `json:"name,omitempty" xmlrpc:"name,omitempty"`
}

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* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

  * javax.servlet:javax.servlet-api
  * javax.annotation:javax.annotation-api
  * javax.transaction:javax.transaction-api
  * javax.websocket:javax.websocket-api

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Oracle OpenJDK

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  * java.sun.security.ssl

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http://openjdk.java.net/legal/gplv2+ce.html

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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package hooks

import (
    "crypto/sha256"
    "encoding/hex"
    "io/ioutil"
    "testing"
)

func TestLicenses(t *testing.T) {
    sumBytes, err := ioutil.ReadFile("../../go.sum")
    if err != nil {
        t.Fatal(err)
    }
    sumSum := sha256.Sum256(sumBytes)
    if licensesGeneratedFrom != hex.EncodeToString(sumSum[:]) {
        t.Error("combined license text needs updating. Run: `go generate /internal/hooks` from the gopls module."
    }
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    // Use of this source code is governed by a BSD-style
    // license that can be found in the LICENSE file.
    // Package copyright checks that files have the correct copyright notices.
    package copyright

    import ( 
        "go/ast"
        "go/parser"
"go/token"
"io/ioutil"
"os"
"path/filepath"
"regexp"
"strings"

func checkCopyright(dir string) ([]string, error) {
    var files []string
    err := filepath.Walk(dir, func(path string, info os.FileInfo, err error) error {
        if err != nil {
            return err
        }
        if info.IsDir() {
            // Skip directories like ".git".
            if strings.HasPrefix(info.Name(), ".") {
                return filepath.SkipDir
            }
            return nil
        }
        needsCopyright, err := checkFile(dir, path)
        if err != nil {
            return err
        }
        if needsCopyright {
            files = append(files, path)
        }
        return nil
    })
    return files, err
}

var copyrightRe = regexp.MustCompile(`Copyright \d{4} The Go Authors. All rights reserved.
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license that can be found in the LICENSE file.`)

func checkFile(toolsDir, filename string) (bool, error) {
    // Only check Go files.
    if !strings.HasSuffix(filename, "go") {
        return false, nil
    }
    // Don't check testdata files.
    normalized := strings.TrimPrefix(filepath.ToSlash(filename), filepath.ToSlash(toolsDir))
    if strings.Contains(normalized, "/testdata/" ) {
        return false, nil
    }
    // goyacc is the only file with a different copyright header.
if strings.HasSuffix(normalized, "cmd/goyacc/yacc.go") {
    return false, nil
}
content, err := ioutil.ReadFile(filename)
if err != nil {
    return false, err
}

fset := token.NewFileSet()
parsed, err := parser.ParseFile(fset, filename, content, parser.ParseComments)
if err != nil {
    return false, err
}

// Don't require headers on generated files.
if isGenerated(fset, parsed) {
    return false, nil
}

shouldAddCopyright := true
for _, c := range parsed.Comments {
    // The copyright should appear before the package declaration.
    if c.Pos() > parsed.Package {
        break
    }
    if copyrightRe.MatchString(c.Text()) {
        shouldAddCopyright = false
        break
    }
}
return shouldAddCopyright, nil

// Copied from golang.org/x/tools/internal/lsp/source/util.go.
// Matches cgo generated comment as well as the proposed standard:
//https://golang.org/s/generatedcode
var generatedRx = regexp.MustCompile(`// .*DO NOT EDIT\.?
`)
const licensesText = ` 
-- github.com/BurntSushi/toml COPYING --

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import (
    "os"
    "path/filepath"
    "strings"
    "testing"
)

func TestToolsCopyright(t *testing.T) {
    cwd, err := os.Getwd()
    if err != nil {
        t.Fatal(err)
    }
    tools := filepath.Dir(cwd)
    if !strings.HasSuffix(filepath.Base(tools), "tools") {
        t.Fatal("current working directory is %s, expected tools", tools)
    }
    files, err := checkCopyright(tools)
    if err != nil {
        t.Fatal(err)
    }
    if len(files) > 0 {
        t.Errorf("The following files are missing copyright notices:
%s", strings.Join(files, "\n"))
    }
}

1.2283 zap 1.16.0

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1.2284 ini 1.52.0

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1.2285 cloudfoundry-candiedyaml 0.1.0

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1.2286 nss-pem 1.0.3-7.el7

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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2
The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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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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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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1.2304 gogoprotobuf 0.0.0-20171007142547-342cbe0a0415

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1.2305 click 7.0
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.

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----

Click uses parts of optparse written by Gregory P. Ward and maintained by the Python Software Foundation. This is limited to code in parser.py.

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# binary only, patch it back to the system, and then use a wrapper
import io
import re
from setuptools import setup

with io.open("README.rst", "rt", encoding="utf8") as f:
    readme = f.read()

with io.open("click/__init__.py", "rt", encoding="utf8") as f:
    version = re.search(r"__version__ = \'(.*?)\"", f.read()).group(1)

setup(
    name="Click",
    version=version,
    url="https://palletsprojects.com/p/click/",
    project_urls=
    {
        "Documentation": "https://click.palletsprojects.com/",
        "Code": "https://github.com/pallets/click",
        "Issue tracker": "https://github.com/pallets/click/issues",
    },
    license="BSD",
    author="Armin Ronacher",
    author_email="armin.ronacher@active-4.com",
    maintainer="Pallets Team",
    maintainer_email="contact@palletsprojects.com",
    description="Composable command line interface toolkit",
    long_description=readme,
    packages=["click"],
    include_package_data=True,
    python_requires=">=2.7, !=3.0.*, !=3.1.*, !=3.2.*, !=3.3.*",
    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",
    ]
)
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`:

.. code-block:: text

$ pip install click

Click supports Python 3.4 and newer, Python 2.7, and PyPy.


A Simple Example
-----------------

What does it look like? Here is an example of a simple Click program:

.. 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("Hello, %s!" % name)

if __name__ == '__main__':
    hello()

And what it looks like when run:

.. code-block:: text

    $ python hello.py --count=3
    Your name: Click
    Hello, Click!
    Hello, Click!
    Hello, Click!

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------

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.. _please donate today: https://palletsprojects.com/donate

Links
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* /opt/cola/permits/1150446063_1618916486.95/netty-all-4-1-63-final-sources-jar/io/netty/example/stomp/StompClient.java
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* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/channel/udt/nio/NioUdtProvider.java
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/**
 * Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in
 * its [ @link ChannelPipeline].
 *
 * <h3>Sub-types</h3>
 * <p>
 * [ @link ChannelHandler] itself does not provide many methods, but you usually have to implement one of its
 * subtypes:
 * <ul>
 * <li>[ @link ChannelInboundHandler] to handle inbound I/O events, and</li>
 */
* <li>{@link ChannelOutboundHandler} to handle outbound I/O operations.</li>
* </ul>
* </p>
* Alternatively, the following adapter classes are provided for your convenience:
* <ul>
* <li>{@link ChannelInboundHandlerAdapter} to handle inbound I/O events,</li>
* <li>{@link ChannelOutboundHandlerAdapter} to handle outbound I/O operations, and</li>
* <li>{@link ChannelDuplexHandler} to handle both inbound and outbound events</li>
* </ul>
* </p>
* For more information, please refer to the documentation of each subtype.
* </p>
*
* <h3>The context object</h3>
* <p>
* A {@link ChannelHandler} is provided with a {@link ChannelHandlerContext} object. A {@link ChannelHandler} is supposed to interact with the
* {@link ChannelPipeline} it belongs to via a context object. Using the
* context object, the {@link ChannelHandler} can pass events upstream or
* downstream, modify the pipeline dynamically, or store the information
* (using {@link AttributeKey}s) which is specific to the handler.
* </p>
* <h3>State management</h3>
* 
* A {@link ChannelHandler} often needs to store some stateful information.
* The simplest and recommended approach is to use member variables:
* <pre>
* public interface Message {
*     // your methods here
* }
*
* public class DataServerHandler extends {@link SimpleChannelInboundHandler}&lt;Message&gt; {
*     
*     <b>private boolean loggedIn;</b>
*     
*     [ @code @OVERRIDE ]
*     public void channelRead0( {@link ChannelHandlerContext} ctx, Message message) {
*         if (message instanceof LoginMessage) {
*             authenticate((LoginMessage) message);
*             <b>loggedIn = true;</b>
*         } else (message instanceof GetDataMessage) {
*             if (<b>loggedIn</b>) {
*                 ctx.writeAndFlush(fetchSecret((GetDataMessage) message));
*             } else {
*                 fail();
*             }
*         }
*     }
* 
* } Código del servidor de datos
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:

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:

```java
// Create a new handler instance per channel.
// See {@link ChannelInitializer#initChannel(Channel)}.
public class DataServerInitializer extends @link ChannelInitializer&{ @link Channel}&gt; { 
    @code @Override
    public void initChannel(@link Channel channel) {
        channel.pipeline().addLast("handler", new DataServerHandler());
    }
}
```

<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}:

```java
public interface Message {
    // your methods here
}

@DataSharable
public class DataServerHandler extends @link SimpleChannelInboundHandler<Message> {
    private final @link AttributeKey attribute = AttributeKey.valueOf("auth");

    @Override
    public void channelRead(@link ChannelHandlerContext ctx, Message message) {
        Attribute attribute = ctx.attr(auth);
        if (message instanceof LoginMessage) {
            authenticate((LoginMessage) o);
            attribute.set(true);
        } else (message instanceof GetDataMessage) {
            if (Boolean.TRUE.equals(attribute.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 the JCIP annotations.

### Additional resources worth reading

Please refer to the `ChannelHandler`, and `ChannelPipeline` to find out more about inbound and outbound operations, what fundamental differences they have, how they flow in a pipeline, and how to handle the operation in your application.

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  jar/io/netty/channel/DefaultChannelHandlerContext.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-
  jar/io/netty/util/internal/CleanerJava6.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-
  jar/io/netty/buffer/UnsafeHeapSwappedByteBuf.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-
  jar/io/netty/util/concurrent/FastThreadLocalThread.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-
  jar/io/netty/buffer/UnsafeDirectSwappedByteBuf.java

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* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-
  jar/io/netty/handler/ssl/SslHandshakeTimeoutException.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-
  jar/io/netty/handler/codec/http/DefaultPromise.java
jar/io/netty/channel/StacklessClosedChannelException.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/example/stomp/websocket/StompWebSocketClientPageHandler.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/example/stomp/websocket/StompWebSocketChatServer.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/example/haproxy/HAProxyServer.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/mqtt/MqttSubscriptionOption.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/util/FingerprintTrustManagerFactoryBuilder.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/mqtt/MqttProperties.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/DefaultHttp2PriorityFrame.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/mqtt/MqttPubReplyMessageVariableHeader.java
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* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/example/stomp/websocket/StompChatHandler.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/Http2PushPromiseFrame.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/util/DomainWildcardMappingBuilder.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/util/NetUtilInitializations.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/mqtt/MqttMessageIdAndPropertiesVariableHeader.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/mqtt/MqttReasonCodeAndPropertiesVariableHeader.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/DefaultHttp2PushPromiseFrame.java
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* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/ipfilter/IpSubnetFilter.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/example/haproxy/HAProxyHandler.java

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* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-
  jar/io/netty/handler/ssl/SslCloseCompletionEvent.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-
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* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-
  jar/io/netty/resolver/dns/MultiDnsServerAddressStreamProvider.java
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* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-
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* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources.jar/io/netty/channel/unix/UnixChannelUtil.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources.jar/io/netty/channel/internal/logging/LocationAwareSlf4JLogger.java
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* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/channel/DelegatingChannelPromiseNotifier.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/resolver/ResolvedAddressTypes.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/util/internal/ReflectionUtil.java
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/**
 * Enumeration of supported Base64 dialects.
 * <p>
 * The internal lookup tables in this class has been derived from
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* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-
jar/io/netty/handler/codec/spdy/SpdyHttpHeaders.java
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jar/io/netty/example/securechat/SecureChatClientInitializer.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-
jar/io/netty/channel/socket/DatagramChannel.java
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 */

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 */

/**
 * Utility class for [link 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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 * under the License.
 */

/**
 * Set the { @code TCP_MD5SIG} option on the socket. See { @code linux/tcp.h} for more details.
 * Keys can only be set on, not read to prevent a potential leak, as they are confidential.
 * Allowing them being read would mean anyone with access to the channel could get them.
 */

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*/

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* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/MpscUnboundedXaddArrayQueue.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/MpscUnboundedXaddChunk.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/SupportsIterator.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/MpscUnboundedXaddChunk.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/MpscUnboundedArrayQueue.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/BaseLinkedAtomicQueue.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/MpscCompoundQueue.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/MpscUnboundedConsumerArrayQueue.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/MpscUnboundedConsumerArrayQueue.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/BaseSpscLinkedAtomicArrayQueue.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/ConcurrentSequencedCircularArrayQueue.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/MpscCompoundQueue.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/ConcurrentCircularArrayQueue.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/MpscUnboundedConsumerArrayQueue.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/MpscBlockingConsumerArrayQueue.java
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 * /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/channel/PreferHeapByteBufAllocator.java
 * /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/smtp/DefaultSmtpResponse.java
 * /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/PemValue.java
 * /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/dns/DnsOptEcsRecord.java
 * /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/channel/unix/LimitsStaticallyReferencedJniMethods.java
 * /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/DefaultDnsCache.java
 * /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketChunkedInput.java
 * /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/util/X509TrustManagerWrapper.java
 */
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/dns/DefaultDnsPtrRecord.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/InboundHttpToHttp2Adapter.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/smtp/SmtpRequests.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/smtp/SmtpCommand.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/channel/WriteBufferWaterMark.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/ReferenceCountedOpenSslServerContext.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/OpenSslCertificateException.java
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* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/util/internal/logging/CommonsLogger.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/util/internal/logging/Log4JLogger.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/util/internal/logging/InternalLogger.java

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* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/channel/unix/SegmentedDatagramPacket.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/OpenSslClientSessionCache.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-
jar/io/netty/handler/ssl/OpenSslContextOption.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-
jar/io/netty/channel/epoll/SegmentedDatagramPacket.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-
jar/io/netty/handler/ssl/OpenSslSessionId.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-
jar/io/netty/handler/ssl/OpenSslSessionCache.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-
jar/io/netty/handler/ssl/SslContextOption.java

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 */
/**
 * A decoder that splits the received ByteBuf's dynamically by the
 * value of the length field in the message. It is particularly useful when you
 * decode a binary message which has an integer header field that represents the
 * length of the message body or the whole message.
 * <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
 * </pre>
 */
* initialBytesToStrip = 0 (= do not strip header)

* BEFORE DECODE (14 bytes) AFTER DECODE (14 bytes)
* +-------------+----------------+ +-------------+----------------+
* | Length | Actual Content |----->| Length | Actual Content |
* | 0x000C | "HELLO, WORLD" |      | 0x000C | "HELLO, WORLD" |
* +-------------+----------------+ +-------------+----------------+
* </pre>

* Because we can get the length of the content by calling
* `ByteBuf#readableBytes()`, you might want to strip the length
* field by specifying `initialBytesToStrip`. In this example, we
* specified `initialBytesToStrip = 2`, that is same with the length of the length field, to
* strip the first two bytes.
* <pre>
* lengthFieldOffset = 0
* lengthFieldLength = 2
* lengthAdjustment = 0
* initialBytesToStrip = 2 (= 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" |
* +--------+----------------+ +----------------+

* 2 bytes length field at offset 0, do not strip header, the length field
* represents the length of the whole message

* 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 2, we specify `-2` for
* compensation.
* <pre>
* lengthFieldOffset = 0
* lengthFieldLength = 2
* lengthAdjustment = -2 (= the length of the Length field)
* initialBytesToStrip = 0
* </pre>

* BEFORE DECODE (14 bytes) AFTER DECODE (14 bytes)
* +-------------+----------------+ +-------------+----------------+
* | Length | Actual Content |----->| Length | Actual Content |
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.

```
lengthFieldOffset   = 2 (= the length of Header 1)
lengthFieldLength   = 3
lengthAdjustment    = 0
initialBytesToStrip = 0
```

```
BEFORE DECODE (17 bytes)                      AFTER DECODE (17 bytes)
* +----------+----------+----------------+      +----------+----------+----------------+
* | Header 1 | Length  | Actual Content |----->| Header 1 | Length  | Actual Content |
* | 0xCAFE   | 0x0000C | "HELLO, WORLD" |      | 0xCAFE   | 0x0000C | "HELLO, WORLD" |
* +----------+----------+----------------+      +----------+----------+----------------+
```

This is an advanced example that shows the case where there is an extra header between the length field and the message body. You have to specify a positive \texttt{lengthAdjustment} so that the decoder counts the extra header into the frame length calculation.

```
lengthFieldOffset   = 0
lengthFieldLength   = 3
lengthAdjustment    = 2 (= the length of Header 1)
initialBytesToStrip = 0
```

```
BEFORE DECODE (17 bytes)                      AFTER DECODE (17 bytes)
* +----------+----------+----------------+      +----------+----------+----------------+
* | Length   | Header 1 | Actual Content |----->| Length   | Header 1 | Actual Content |
* | 0x0000C   | 0xCAFE   | "HELLO, WORLD" |      | 0x0000C   | 0xCAFE   | "HELLO, WORLD" |
* +----------+----------+----------------+      +----------+----------+----------------+
```

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 length field at the beginning of 5 bytes header, do not strip header.
* header affects the `lengthAdjustment`. We also specified a non-zero
* `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 `0` for `initialBytesToSkip`.

* `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 `lengthAdjustment`.
* 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.
* `lengthFieldOffset = 1`
* `lengthFieldLength = 2`
  * `<b>lengthAdjustment</b> = <b>-3</b> (= the length of HDR1 + LEN, negative)
  * `<b>initialBytesToStrip</b> = <b>3</b>`
*
* **BEFORE DECODE** (16 bytes)                             **AFTER DECODE** (13 bytes)
* +-------------------+-------------------+  +-------------------+-------------------+
* | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
* | 0xCA | 0x0010 | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
* +-------------------+-------------------+  +-------------------+-------------------+
* `</pre>`
* `@see LengthFieldPrepender`
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* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-
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jar/io/netty/buffer/search/MultiSearchProcessorFactory.java
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jar/io/netty/buffer/search/MultiSearchProcessor.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-
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* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-
jar/io/netty/internal/tcnative/SSLPrivateKeyMethodDecryptTask.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-
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* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-

jar/io/netty/internal/tcnative/CertificateCallbackTask.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-
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jar/io/netty/handler/pcap/PcapWriteHandler.java
* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-
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* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-
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* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-
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* /opt/cola/permits/1150446063_1618916486.95/0/netty-all-4-1-63-final-sources-
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* /opt/ws_local/PERMITS_SQL/1068412384_1594388478.68/0/spring-orm-5-2-5-release-sources-jar/org/springframework/orm/hibernate5/SpringBeanContainer.java
* /opt/ws_local/PERMITS_SQL/1068412384_1594388478.68/0/spring-orm-5-2-5-release-sources-jar/org/springframework/orm/jpa/PersistenceAnnotationBeanPostProcessor.java
* /opt/ws_local/PERMITS_SQL/1068412384_1594388478.68/0/spring-orm-5-2-5-release-sources-jar/org/springframework/orm/jpa/vendor/HibernateJpaDialect.java

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* /opt/ws_local/PERMITS_SQL/1068412384_1594388478.68/0/spring-orm-5-2-5-release-sources-jar/org/springframework/orm/jpa/support/OpenEntityManagerInViewFilter.java
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* /opt/ws_local/PERMITS_SQL/1068412384_1594388478.68/0/spring-orm-5-2-5-release-sources-jar/org/springframework/orm/hibernate5/support/OpenSessionInterceptor.java
* /opt/ws_local/PERMITS_SQL/1068412384_1594388478.68/0/spring-orm-5-2-5-release-sources-jar/org/springframework/orm/hibernate5/support/AsyncRequestInterceptor.java

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* /opt/ws_local/PERMITS_SQL/1068412384_1594388478.68/0/spring-orm-5-2-5-release-sources-jar/org/springframework/orm/jpa/support/AsyncRequestInterceptor.java
* /opt/ws_local/PERMITS_SQL/1068412384_1594388478.68/0/spring-orm-5-2-5-release-sources-jar/org/springframework/jpa/LocalEntityManagerFactoryBean.java
* /opt/ws_local/PERMITS_SQL/1068412384_1594388478.68/0/spring-orm-5-2-5-release-sources-jar/org/springframework/jpa/persistenceunit/PersistenceUnitReader.java
* /opt/ws_local/PERMITS_SQL/1068412384_1594388478.68/0/spring-orm-5-2-5-release-sources-jar/org/springframework/jpa/vendor/EclipseLinkJpaDialect.java
* /opt/ws_local/PERMITS_SQL/1068412384_1594388478.68/0/spring-orm-5-2-5-release-sources-jar/org/springframework/jpa/vendor/EclipseLinkJpaVendorAdapter.java
* /opt/ws_local/PERMITS_SQL/1068412384_1594388478.68/0/spring-orm-5-2-5-release-sources-jar/org/springframework/jpa/support/OpenEntityManagerInViewInterceptor.java
* /opt/ws_local/PERMITS_SQL/1068412384_1594388478.68/0/spring-orm-5-2-5-release-sources-jar/org/springframework/jpa/EntityManagerFactoryAccessor.java
* /opt/ws_local/PERMITS_SQL/1068412384_1594388478.68/0/spring-orm-5-2-5-release-sources-jar/org/springframework/jpa/EntityManagerHolder.java
* /opt/ws_local/PERMITS_SQL/1068412384_1594388478.68/0/spring-orm-5-2-5-release-sources-jar/org/springframework/jpa/AbstractEntityManagerFactoryBean.java
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* /opt/ws_local/PERMITS_SQL/1068412384_1594388478.68/0/spring-orm-5-2-5-release-sources-jar/org/springframework/jpa/ObjectOptimisticLockingFailureException.java
* /opt/ws_local/PERMITS_SQL/1068412384_1594388478.68/0/spring-orm-5-2-5-release-sources-jar/org/springframework/jpa/vendor/HibernateJpaVendorAdapter.java
* /opt/ws_local/PERMITS_SQL/1068412384_1594388478.68/0/spring-orm-5-2-5-release-sources-jar/org/springframework/jpa/LocalSessionFactoryBean.java
* /opt/ws_local/PERMITS_SQL/1068412384_1594388478.68/0/spring-orm-5-2-5-release-sources-jar/org/springframework/jpa/support/HibernateDaoSupport.java
* /opt/ws_local/PERMITS_SQL/1068412384_1594388478.68/0/spring-orm-5-2-5-release-sources-jar/org/springframework/jpa/support/OpenSessionInViewFilter.java
* /opt/ws_local/PERMITS_SQL/1068412384_1594388478.68/0/spring-orm-5-2-5-release-sources-jar/org/springframework/jpa/support/OpenEntityManagerInViewInterceptor.java
* /opt/ws_local/PERMITS_SQL/1068412384_1594388478.68/0/spring-orm-5-2-5-release-sources-jar/org/springframework/jpa/support/OpenSessionInViewInterceptor.java
* /opt/ws_local/PERMITS_SQL/1068412384_1594388478.68/0/spring-orm-5-2-5-release-sources-jar/org/springframework/jpa/AbstractEntityManagerFactoryBean.java

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/**
 * Create a transactional EntityManager proxy for the given EntityManagerFactory.
 * @param emf the EntityManagerFactory to obtain EntityManagers from as needed
 * @param properties the properties to be passed into the
 *               {code createEntityManager} call (may be {code null})
 * @param entityManagerInterfaces the interfaces to be implemented by the
 *       EntityManager. Allows the addition or specification of proprietary interfaces.
 * @return a shareable transactional EntityManager proxy
 */

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* /opt/ws_local/PERMITS_SQL/1068412370_1594398078.24/0/spring-boot-actuator-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/actuate/autoconfigure/context/ShutdownEndpointAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1068412370_1594398078.24/0/spring-boot-actuator-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/web/tomcat/CompositeHandlerExceptionResolver.java

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sources.jar/org/springframework/boot/actuate/autoconfigure/elasticsearch/ElasticsearchHealthIndicatorProperties.java

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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* java.sun.security.ssl

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http://openjdk.java.net/legal/gplv2+ce.html

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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org.eclipse.jetty.toolchain:jetty-schemas
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1.2326 wheel 0.32.3

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1.2327 highwayhash 1.0.0

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1.2329 containers-common 0.33.0

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procfs provides functions to retrieve system, kernel and process
metrics from the pseudo-filesystem proc.

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tomb - support for clean goroutine termination in Go.

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* /opt/ws_local/PERMITS_SQL/1071283585_1594914548.97/0/spring-context-support-5-1-9-release-sources-jar/org/springframework/cache/transaction/TransactionAwareCacheDecorator.java
* /opt/ws_local/PERMITS_SQL/1071283585_1594914548.97/0/spring-context-support-5-1-9-release-sources-jar/org/springframework/cache/jcache/interceptor/CacheRemoveOperation.java
* /opt/ws_local/PERMITS_SQL/1071283585_1594914548.97/0/spring-context-support-5-1-9-release-sources-jar/org/springframework/cache/jcache/interceptor/CacheRemoveEntryInterceptor.java
* /opt/ws_local/PERMITS_SQL/1071283585_1594914548.97/0/spring-context-support-5-1-9-release-sources-jar/org/springframework/cache/jcache/interceptor/AbstractJCacheOperation.java
* /opt/ws_local/PERMITS_SQL/1071283585_1594914548.97/0/spring-context-support-5-1-9-release-sources-jar/org/springframework/cache/jcache/interceptor/AbstractCacheInterceptor.java
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* /opt/ws_local/PERMITS_SQL/1071283585_1594914548.97/0/spring-context-support-5-1-9-release-sources-jar/org/springframework/cache/ehcache/EhCacheManagerFactoryBean.java
* /opt/ws_local/PERMITS_SQL/1071283585_1594914548.97/0/spring-context-support-5-1-9-release-sources-jar/org/springframework/cache/ehcache/EhCacheCacheManager.java
* /opt/ws_local/PERMITS_SQL/1071283585_1594914548.97/0/spring-context-support-5-1-9-release-sources-jar/org/springframework/cache/caffeine/CaffeineCacheManager.java
* /opt/ws_local/PERMITS_SQL/1071283585_1594914548.97/0/spring-context-support-5-1-9-release-sources-jar/org/springframework/scheduling/commonj/TimerManagerAccessor.java
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* /opt/ws_local/PERMITS_SQL/1071283585_1594914548.97/0/spring-context-support-5-1-9-release-sources-jar/org/springframework/scheduling/quartz/SchedulerAccessorBean.java
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* /opt/ws_local/PERMITS_SQL/1071283585_1594914548.97/0/spring-context-support-5-1-9-release-sources-jar/org/springframework/mail/MailMessage.java
* /opt/ws_local/PERMITS_SQL/1071283585_1594914548.97/0/spring-context-support-5-1-9-release-sources-jar/org/springframework/scheduling/commonj/ScheduledTimerListener.java

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* /opt/ws_local/PERMITS_SQL/1071283585_1594914548.97/0/spring-context-support-5-1-9-release-sources-jar/org/springframework/mail/javamail/MimeMessagePreparator.java

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analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/it/ItalianMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java

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1.2348 pythonurllib 1.10.2-7.el7
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# Contributions to the urllib3 project

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### Contributors

In chronological order:

* victor.vde <http://code.google.com/u/victor.vde/>
  * HTTPS patch (which inspired HTTPSConnectionPool)

* erikcederstrand <http://code.google.com/u/erikcederstrand/>
  * NTLM-authenticated HTTPSConnectionPool
  * Basic-authenticated HTTPSConnectionPool (merged into make_headers)

* niphlod <niphlod@gmail.com>
  * Client-verified SSL certificates for HTTPSConnectionPool
  * Response gzip and deflate encoding support
  * Better unicode support for filepost using StringIO buffers

* btoconnor <brian@btoconnor.net>
  * Non-multipart encoding for POST requests

* p.dobrogost <http://code.google.com/u/@WBRSRIBZDhBFXQB6/>
  * Code review, PEP8 compliance, benchmark fix

* kennethreitz <me@kennethreitz.com>
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* georgemarshall <http://github.com/georgemarshall>
* Bugfixes, Improvements and Test coverage

* Thomas Kluyver <thomas@kluyver.me.uk>
* Python 3 support

* brandon-rhodes <http://rhodesmill.org/brandon>
* Design review, bugfixes, test coverage.

* studer <theo.studer@gmail.com>
* IPv6 url support and test coverage

* Shivaram Lingamneni <slingamn@cs.stanford.edu>
* Support for explicitly closing pooled connections

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* Corrected multipart behavior for params

* Thomas Weischuh <thomas@t-8ch.de>
* Support for TLS SNI
* API unification of ssl_version/cert_reqs
* SSL fingerprint and alternative hostname verification
* Bugfixes in testsuite

* Sune Kirkeby <mig@ibofobi.dk>
* Optional SNI-support for Python 2 via PyOpenSSL.

* Marc Schlaich <marc.schlaich@gmail.com>
* Various bugfixes and test improvements.

* Bryce Boe <bbzbryce@gmail.com>
* Correct six.moves conflict
* Fixed pickle support of some exceptions

* Boris Figovsky <boris.figovsky@ravellosystems.com>
* Allowed to skip SSL hostname verification

* Cory Benfield <http://lukasa.co.uk/about/>
* Stream method for Response objects.
* Return native strings in header values.
* Generate 'Host' header when using proxies.

* Jason Robinson <jaywink@basshero.org>
* Add missing WrappedSocket.fileno method in PyOpenSSL

* Audrius Butkevicius <audrius.butkevicius@elastichosts.com>
* Fixed a race condition

* Stanislav Vitkovskiy <stas.vitkovsky@gmail.com>
* Added HTTPS (CONNECT) proxy support

* Stephen Holsapple <sholsapp@gmail.com>
* Added abstraction for granular control of request fields

* Martin von Gagern <Martin.vGagern@gmx.net>
* Support for non-ASCII header parameters

* Kevin Burke <kev@inburke.com> and Pavel Kirichenko <juanch@yandex-team.ru>
* Support for separate connect and request timeouts

* Peter Waller <p@pwaller.net>
* HTTPResponse.tell() for determining amount received over the wire

* Nipunn Koorapati <nipunn1313@gmail.com>
* Ignore default ports when comparing hosts for equality

* Danilo @dbrgn <http://dbrgn.ch/>
* Disabled TLS compression by default on Python 3.2+
* Disabled TLS compression in pyopenssl contrib module
* Configurable cipher suites in pyopenssl contrib module

* Roman Bogorodskiy <roman.bogorodskiy@ericsson.com>
* Account retries on proxy errors

* Nicolas Delaby <nicolas.delaby@ezeep.com>
* Use the platform-specific CA certificate locations

* Josh Schneier <https://github.com/jschneier>
* HTTPHeaderDict and associated tests and docs
* Bugfixes, docs, test coverage

* Tahia Khan <http://tahia.tk/>
* Added Timeout examples in docs

* Arthur Grunseid <http://grunseid.com>
* source_address support and tests (with https://github.com/bui)

* Ian Cordasco <graffatcolmingov@gmail.com>
* PEP8 Compliance and Linting
* Add ability to pass socket options to an HTTP Connection

* Erik Tollerud <erik.tollerud@gmail.com>
* Support for standard library io module.
* Krishna Prasad <kprasad.iitd@gmail.com>
  * Google App Engine documentation

* Aaron Meurer <asmeurer@gmail.com>
  * Added Url.url, which unparses a Url

* Evgeny Kapun <abacabadabacaba@gmail.com>
  * Bugfixes

* Benjamen Meyer <bm_witness@yahoo.com>
  * Security Warning Documentation update for proper capture

* Shivan Sornarajah <github@sornars.com>
  * Support for using ConnectionPool and PoolManager as context managers.

* Alex Gaynor <alex.gaynor@gmail.com>
  * Updates to the default SSL configuration

* [Your name or handle] <[email or website]>
  * [Brief summary of your changes]

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* /opt/ws_local/PERMITS_SQL/1068412579_1594397372_64/0/spring-context-5-2-5-release-sources-1-jar/org/springframework/context/support/AbstractResourceBasedMessageSource.java
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* /opt/ws_local/PERMITS_SQL/1068412579_1594397372_64/0/spring-context-5-2-5-release-sources-1-jar/org/springframework/context/annotation/ClassPathScanningCandidateComponentProvider.java
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* /opt/ws_local/PERMITS_SQL/1068412579_1594397372.64/0/spring-context-5-2-5-release-sources-1-jar/org/springframework/format/number/money/CurrencyUnitFormatter.java
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/**
   * {@link FactoryBean} that obtains a WebSphere [link javax.management.MBeanServer]
   * reference through WebSphere's proprietary [link AdminServiceFactory] API,
   * available on WebSphere 5.1 and higher.
   *
   * <p>Exposes the [link MBeanServer] for bean references.
   *
   * <p>This [link FactoryBean] is a direct alternative to [link MBeanServerFactoryBean],
   * which uses standard JMX 1.2 API to access the platform's [link MBeanServer].
   *
   * <p>See the javadocs for WebSphere's
   */
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/**
* Indicates that a component is only eligible for registration when all
* [@linkplain #value specified conditions] match.
*
* <p>A <em>condition</em> is any state that can be determined programmatically
* before the bean definition is due to be registered (see [@link Condition] for details).
*
* <p>The [@code @Conditional] annotation may be used in any of the following ways:
* <ul>
* <li>as a type-level annotation on any class directly or indirectly annotated with
* [@code @Component], including [@link Configuration @Configuration] classes</li>
* <li>as a meta-annotation, for the purpose of composing custom stereotype
* annotations</li>
* <li>as a method-level annotation on any [@link Bean @Bean] method</li>
* </ul>
*
* If a [@code @Configuration] class is marked with [@code @Conditional],
* all of the [@code @Bean] methods, [@link Import @Import] annotations, and
* [@link ComponentScan @ComponentScan] annotations associated with that
* class will be subject to the conditions.
*
* <p><strong>NOTE</strong>: Inheritance of {@code @Conditional} annotations is not supported; any conditions from superclasses or from overridden methods will not be considered. In order to enforce these semantics, {@code @Conditional} itself is not declared as {@link java.lang.annotation.Inherited @Inherited}; furthermore, any custom composed annotation that is meta-annotated with {@code @Conditional} must not be declared as {@code @Inherited}. *

* @author Phillip Webb  
* @author Sam Brannen  
* @since 4.0  
* @see Condition  
*/

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* /opt/ws_local/PERMITS_SQL/1068412579_1594397372.64/0/spring-context-5-2-5-release-sources-1-jar/org/springframework/context/annotation/Conditional.java

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* /opt/ws_local/PERMITS_SQL/1068412579_1594397372.64/0/spring-context-5-2-5-release-sources-1.jar/org/springframework/context/annotation/ConflictingBeanDefinitionException.java
* /opt/ws_local/PERMITS_SQL/1068412579_1594397372.64/0/spring-context-5-2-5-release-sources-1.jar/org/springframework/jmx/export/notification/NotificationPublisherAware.java
* /opt/ws_local/PERMITS_SQL/1068412579_1594397372.64/0/spring-context-5-2-5-release-sources-1.jar/org/springframework/context/annotation/ImportAware.java

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*/
/**
* Abstract the invocation of a cache operation.
* 
* Does not provide a way to transmit checked exceptions but
* provide a special exception that should be used to wrap any
* exception that was thrown by the underlying invocation.
* Callers are expected to handle this issue type specifically.
* 
* @author Stephane Nicoll
* @since 4.1
*/

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* /opt/ws_local/PERMITS_SQL/1068412579_1594397372.64/0/spring-context-5-2-5-release-sources-1-jar/org/springframework/scheduling/config/ContextLifecycleScheduledTaskRegistrar.java
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* /opt/ws_local/PERMITS_SQL/1068412579_1594397372.64/0/spring-context-5-2-5-release-sources-1.jar/org/springframework/scripting/support/StandardScriptEvaluator.java
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* /opt/ws_local/PERMITS_SQL/1068412579_1594397372.64/0/spring-context-5-2-5-release-sources-1.jar/org/springframework/context/support/StaticMessageSource.java
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* /opt/ws_local/PERMITS_SQL/1068412579_1594397372.64/0/spring-context-5-2-5-release-sources-1.jar/org/springframework/jmx/support/MBeanLifecycle.java

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* /opt/ws_local/PERMITS_SQL/1068412579_1594397372.64/0/spring-context-5-2-5-release-sources-1.jar/org/springframework/context/annotation/CommonAnnotationBeanPostProcessor.java
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 * B I N G
 *
 * Using the InterNet Control Message Protocol (ICMP) "ECHO" facility,
 * measure point-to-point bandwidth.
 *
 * Hack by Pierre Beyssac (pb@fasterix.freenix.fr), based on FreeBSD ping.
 * Comments and bug reports welcome !
 *
 * Original ping author -
 * Mike Muuss
 * U. S. Army Ballistic Research Laboratory
 * December, 1983
 *
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* /opt/cola/permits/1178585007_1628224092.79/0/bin-1.1.3-3.fc12.src.rpm-cosi-expand-archive-
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 *
 * @(#)ip_icmp.h 8.1 (Berkeley) 6/10/93
 * ip_icmp.h,v 1.4 1995/05/30 08:09:43 rgrimes Exp
 */

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*/opt/cola/permits/1178585007_1628224092.79/0/bing-1.1.3-3.fc12.src.rpm-cosi-expand-archive-
fY7KiddO/bing_src-1.1.3.tar.gz-cosi-expand-archive-1qI50dVu/bing_src-1.1.3/include/netinet/ip_icmp.h

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 * */
1.2352 jackc-pgservicefile 0.0.0-20200714003250-2b9c44734f2b

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1.2353 python-markupsafe 0.11 10.el7

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```

1.2354 j2objc-annotations 1.3

1.2355 kubernetes-apiserver 0.0.0-20201204214525-af46c47ce925

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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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  jar/com/google/common/base/SmallCharMatcher.java
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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/ListenerCallQueue.java
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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/hash/BloomFilterStrategies.java
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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/hash/MoreObjects.java
jar/com/google/common/collect/RegularImmutableMultiset.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/EmptyContiguousSet.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/hash/Funnels.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/AbstractSortedMultiset.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/DescendingImmutableSortedMultiset.java
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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/hash/HashFunction.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/hash/Murmur3_32HashFunction.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/hash/Murmur3_128HashFunction.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/hash/HashCode.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/hash/HashingOutputStream.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/hash/HashingHashCode.java
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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5.jar/com/google/common/collect/ImmutableClassToInstanceMap.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5.jar/com/google/common/collect/ComputationException.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5.jar/com/google/common/collect/EmptyImmutableSetMultimap.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5.jar/com/google/common/collect/DiscreteDomain.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5.jar/com/google/common/collect/ImmutableSortedMap.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5.jar/com/google/common/collect/ComparisonChain.java
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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5.jar/com/google/common/collect/ImmutableSortedMap.java
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jar/com/google/common/util/concurrent/ForwardingCheckedFuture.java
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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/cache/RemovalListeners.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/hash/AbstractNonStreamingHashFunction.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/reflect/Types.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/math/LongMath.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/cache/LoadingCache.java
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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collection/Table.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collection/RegularImmutableBiMap.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collection/FluentIterable.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collection/ImmutableMapValues.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/net/InetAddresses.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collection/ImmutableBiMap.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/primitives/Booleans.java
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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/ThreadFactoryBuilder.java
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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
  jar/com/google/common/collect/MultimapBuilder.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
  jar/com/google/common/util/concurrent/WrappingScheduledExecutorService.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
  jar/com/google/thirdparty/publicsuffix/PublicSuffixType.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
  jar/com/google/common/collect/ImmutableMapEntry.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
  jar/com/google/common/eventbus/SubscriberExceptionHandler.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
  jar/com/google/common/io/CharSequenceReader.java
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  */opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
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    jar/com/google/common/cache/LongAdder.java
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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
  jar/com/google/common/util/concurrent/InterruptibleTask.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
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Found in path(s):
*/opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/hash/package-info.java

1.2358 ncurses 6.1-
15.20191109.el7_7.0atomix1

1.2358.1 Available under license:
Upstream source https://invisible-island.net/ncurses/ncurses-examples.html

Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>

Files:
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Upstream source https://invisible-island.net/ncurses/ncurses.html
This package is used for testing builds of ncurses.

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Files: progs/tset.c ncurses/tinfo/read_termcap.c
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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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lib/krb5/kdb/kdb_log.c
lib/krb5/kdb/kdb_log.h
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lib/libgss/g_acquire_cred.c
lib/libgss/g_canon_name.c
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lib/libgss/g_unseal.c
lib/libgss/g_userok.c
lib/libgss/g_verify.c
lib/libgss/gssd_pname_to_uid.c
uts/common/gssapi/include/gssapi_err_generic.h
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lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/gssapiP_mech.c
lib/gssapi/mechglue/gssapiP_spnego.h
lib/gssapi/mechglue/gssapiP_spnego.h
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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1.2367 binutils 2.27-44.base.el7_9.1

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table of data to be supplied by an application program that uses
the facility, other than as an argument passed when the facility
is invoked, then you must make a good faith effort to ensure that,
in the event an application does not supply such function or
table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

(For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the
application. Therefore, Subsection 2d requires that any
application-supplied function or table used by this function must
be optional: if the application does not supply it, the square
root function must still compute square roots.)
@end enumerate

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@ifex
@end iftex
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@end page
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+++++++

Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for gdb-specific debug information and the 68k series machines, most of the preprocessing pass, and extensive changes in messages.c, input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various enhancements and many bug fixes, including merging support for several processors, breaking gas up to handle multiple object file format backends (including heavy rewrite, testing, an integration of the coff and b.out backends), adding configuration including heavy testing and verification of cross assemblers and file splits and renaming.
converted gas to strictly ansi C including full prototypes, added support for m680[34]0 & cpu32, considerable work on i960 including a coff port (including considerable amounts of reverse engineering), a sparc opcode file rewrite, decstation, rs6000, and hp300hpux host ports, updated "know" assertions and made them work, much other reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan. Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

Keith Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support that hasn't been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.
David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

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1.2381 sqlite-jdbc 3.23.1

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1.2382 jcmtturner-rpc 2.0.2

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    Gnomovision version 69, Copyright (C) year name of author
    Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
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1.2386 zlib 1.2.7 15.el7

1.2386.1 Available under license:

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1.2387 x-net 0.0.0-20190930134127-c5a3c61f89f3

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1.2388 libnetfilter-conntrack 1.0.6 1.el7_3
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1.2389 open-vm-tools 11.0.5-3.el7_9.3
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1.2393 go-runtime 1.6.2

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<style type="text/css">
body {
margin: auto;
font-family: Verdana, sans-serif;
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}
a { color: #044a64 }
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.logo { position:absolute; margin:3px; }
.tagline {
float:right;
text-align:right;
font-style:italic;
width:300px;
margin:12px;
margin-top:58px;
}
.menubar {
clear: both;
border-radius: 8px;
background: #044a64;
padding: 0px;
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cell-spacing: 0px;
}
.toolbar {
text-align: center;
line-height: 1.6em;
margin: 0;
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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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import (
    "encoding/json"
    "testing"
    "github.com/stretchr/testify/assert"
)

var license = License{
    LicenseProps: LicenseProps{Name: "the name", URL: "the url"},
    VendorExtensible: VendorExtensible{Extensions: map[string]interface{}{
        "x-license": "custom term"}}}

const licenseJSON = `"name": "the name",
"url": "the url"`;
"x-license": "custom term"
`

func TestIntegrationLicense(t *testing.T) {

// const licenseYAML = "name: the name\nurl: the url\n"

b, err := json.MarshalIndent(license, "", "\t")
if assert.NoError(t, err) {
assert.Equal(t, licenseJSON, string(b))
}

actual := License{
}
err = json.Unmarshal([]byte(licenseJSON), &actual)
if assert.NoError(t, err) {
assert.EqualValues(t, license, actual)
}

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import (
  "encoding/json"
  "github.com/go-openapi/swag"
)

// License information for the exposed API.

// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
  LicenseProps
  VendorExtensible
}
// LicenseProps holds the properties of a License object
type LicenseProps struct {
    Name string `json:"name,omitempty"
    URL  string `json:"url,omitempty"
}

// UnmarshalJSON hydrates License from json
func (l *License) UnmarshalJSON(data []byte) error {
    if err := json.Unmarshal(data, &l.LicenseProps); err != nil {
        return err
    }
    return json.Unmarshal(data, &l.VendorExtensible)
}

// MarshalJSON produces License as json
func (l License) MarshalJSON() ([]byte, error) {
    b1, err := json.Marshal(l.LicenseProps)
    if err != nil {
        return nil, err
    }
    b2, err := json.Marshal(l.VendorExtensible)
    if err != nil {
        return nil, err
    }
    return swag.ConcatJSON(b1, b2), nil
}

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Protocol Buffers for Go with Gadgets

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* **[Margaret Mitchell et al](https://arxiv.org/abs/1810.03993)**
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1.2417 base-passwd 3.5.37

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1.2420 rdma-core 22.4-6.el7_9

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1.2423 msgpack-python 0.5.6

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1.2424 simpleclient-common 0.10.0
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Manifest-Version: 1.0
Bnd-LastModified: 1611582585816
Build-Jdk: 1.8.0_275
Built-By: bbrazil
Bundle-Description: Common code used by various modules of the Simpleclient.
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt
Bundle-ManifestVersion: 2
Bundle-Name: Prometheus Java Simpleclient Common
Bundle-SymbolicName: io.prometheus.simpleclient_common
Bundle-Version: 0.10.0
Created-By: Apache Maven Bundle Plugin
Export-Package: io.prometheus.client.exporter.common;uses:="io.prometheus.client";version="0.10.0"
Import-Package: io.prometheus.client;version="[0.10,1)"
Tool: Bnd-2.1.0.20130426-122213

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1.2425 pth 2.0.7 23.el7

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1.2427 x-sys 0.0.0-20190616124812-15dcb6c0061f

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1.2428 gorilla 1.4.2

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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

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To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.
For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the
users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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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
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above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices
stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no
charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a
table of data to be supplied by an application program that uses
the facility, other than as an argument passed when the facility
is invoked, then you must make a good faith effort to ensure that,
in the event an application does not supply such function or
table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

(For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the
application. Therefore, Subsection 2d requires that any
application-supplied function or table used by this function must
be optional: if the application does not supply it, the square
root function must still compute square roots.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Library,
and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a
combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

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b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
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d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in 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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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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Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in its ChannelPipeline.

Sub-types

ChannelHandler itself does not provide many methods, but you usually have to implement one of its subtypes:

- ChannelInboundHandler to handle inbound I/O events, and
- ChannelOutboundHandler to handle outbound I/O operations.

Alternatively, the following adapter classes are provided for your convenience:

- ChannelInboundHandlerAdapter to handle inbound I/O events,
- ChannelOutboundHandlerAdapter to handle outbound I/O operations,
- ChannelDuplexHandler to handle both inbound and outbound events

For more information, please refer to the documentation of each subtype.

The context object

A ChannelHandler is provided with a ChannelHandlerContext object. A ChannelHandler is supposed to interact with the ChannelPipeline it belongs to via a context object. Using the context object, the ChannelHandler can pass events upstream or downstream, modify the pipeline dynamically, or store the information (using AttributeKey)s which is specific to the handler.
* <h3>State management</h3>
* 
* A {@link ChannelHandler} often needs to store some stateful information. The simplest and recommended approach is to use member variables:
* <pre>
* public interface Message {
*     // your methods here
* }
*
* public class DataServerHandler extends {@link SimpleChannelInboundHandler}&lt;Message&gt; {
* *
*     <b>private boolean loggedIn;</b>
* }
*
*     {@code @Override}
*     public void channelRead0(@link ChannelHandlerContext) ctx, Message message) {
*         if (message instanceof LoginMessage) {
*             authenticate((LoginMessage) message);
*             <b>loggedIn = true;</b>
*         } else (message instanceof GetDataMessage) {
*             if (message instanceof GetDataMessage) {
*                 if (b>loggedIn</b>) {
*                     ctx.writeAndFlush(fetchSecret((GetDataMessage) message));
*                 } else {
*                     fail();
*                 }
*             } 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 an 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}@{ @link Channel}@{ @link Channel}&gt; { 
*     @code @Override}
*     public void initChannel{@link Channel} channel) {
*         channel.pipeline().addLast("handler", &lt;b&gt;new DataServerHandler()&lt;/b&gt;);
*     }
* }
* </pre>
*
* <h4>Using { @link AttributeKey }s</h4>
Although it's recommended to use member variables to store the state of a handler, for some reason you might not want to create many handler instances. In such a case, you can use `AttributeKey`s which is provided by `ChannelHandlerContext`:

```java
public interface Message {
    // your methods here
}
```

```java
@Sharable
public class DataServerHandler extends SimpleChannelInboundHandler<Message> {
    private final AttributeKey<Boolean> auth = AttributeKey.valueOf("auth");

    @Override
    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 the JCIP annotations.

Additional resources worth reading

Please refer to the `ChannelHandler` and `ChannelPipeline` to find out more about inbound and outbound operations, what fundamental differences they have, how they flow in a pipeline, and how to handle the operation in your application.

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  jar/io/netty/channel/ChannelOption.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
  jar/io/netty/channel/ChannelPromiseAggregator.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
  jar/io/netty/channel/group/package-info.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
  jar/io/netty/channel/embedded/EmbeddedEventLoop.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
  jar/io/netty/channel/embedded/package-info.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
  jar/io/netty/channel/local/LocalChannel.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
  jar/io/netty/channel/ChannelOutboundHandler.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
  jar/io/netty/channel/nio/package-info.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
  jar/io/netty/channel/embedded/package-info.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
  jar/io/netty/channel/DefaultChannelPipeline.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
  jar/io/netty/channel/socket/DatagramChannelConfig.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4.jar/io/netty/channel/socket/DatagramChannel.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4.jar/io/netty/channel/DefaultEventLoop.java
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* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-jar/io/netty/channel/DefaultEventLoopGroup.java
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* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-jar/io/netty/channel/socket/package-info.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-jar/io/netty/channel/nio/ProtocolFamilyConverter.java
1.2436 containers-libpod 1.9.2

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Protocol Buffers for Go with Gadgets

Go support for Protocol Buffers - Google's data interchange format

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ffjson
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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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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/MultimapBuilder.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/thirdparty/publicsuffix/PublicSuffixType.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/io/CharSequenceReader.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/ImmutableMapEntry.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/reflect/TypeVisitor.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/MultimapBuilder.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/util/concurrent/ExecutionQueue.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/util/concurrent/Runnables.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/thirdparty/publicsuffix/PublicSuffixType.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/io/CharSequenceReader.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/reflect/TypeVisitor.java
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jar/com/google/common/util/concurrent/WrappingScheduledExecutorService.java
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  * /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/cache/Striped64.java
  * /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/cache/LongAdder.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5.jar/com/google/common/reflect/MutableTypeToInstanceMap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5.jar/com/google/common/collect/FilteredMultimap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5.jar/com/google/common/cache/LongAddables.java
jar/com/google/common/hash/AbstractByteHasher.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/collection/ForwardingImmutableSet.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/collection/AbstractSortedKeySortedSetMultimap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/collection/TransmutedIterator.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/collection/AbstractMultimap.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5.jar/com/google/common/collect/EmptyImmutableSetMultimap.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5.jar/com/google/common/base/Platform.java
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jar/com/google/common/collect/SingletonImmutableSet.java
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jar/com/google/common/collect/AbstractListMultimap.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5.jar/com/google/common/collection/MapDifference.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5.jar/com/google/common/io/ByteStreams.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5.jar/com/google/common/collection/ImmutableSet.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5.jar/com/google/common/collection/HashMultiset.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5.jar/com/google/common/collection/Multimaps.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5.jar/com/google/common/collection/LinkedHashMultimaps.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5.jar/com/google/common/collection/linkedListMultimap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5.jar/com/google/common/base/Charsets.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/ComparatorOrdering.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/RegularImmutableSet.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/ReverseNaturalOrdering.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/base/FinalizableReferenceQueue.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/ForwardingCollection.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/base/Present.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/Count.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/ImmutableSortedMultiset.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/primitives/UnsignedInteger.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/AbstractTable.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/base/Utf8.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/FilteredMultimapValues.java

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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/base/Utf8.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5.jar/com/google/common/collection/SortedMapDifference.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5.jar/com/google/common/collection/UnmodifiableListIterator.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5.jar/com/google/common/hash/AbstractStreamingHashFunction.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5.jar/com/google/common/collect/EmptyImmutableSortedMultiset.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/MapMaker.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/SparseImmutableTable.java
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* 
* As of 2010/06/11, this method is identical to the (package private) hash
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*/

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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/Interners.java
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1.2446 file 5.11-37.el7

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1.2447 mergo 0.3.11

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import: ../../../../fossene/db/schema/thing.yml
fields:
  site: string
  author: root

1.2448 jline-style 3.10.0

1.2449 commons-cli 1.2
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1.2450 fsnotify 1.4.7

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1.2451 flask 1.0.2

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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 (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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1.2474 vim 8.2.1687-1.el7_7.0atomix1

1.2475 streadway-amqp 0.0.0-20190404075320-75d898a42a94

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1.2476 x-sys 0.0.0-20200812155832-6a926be9bd1d

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1.2478 kerb-admin 2.0.0

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Other documentation files in the distribution are:

User documentation:
install.doc  How to configure and install the IJG software.
usage.doc  Usage instructions for cjpeg, djpeg, jpegtran, rdjpgcom, and wrjpcom.
*.1  Unix-style man pages for programs (same info as usage.doc).
wizard.doc  Advanced usage instructions for JPEG wizards only.
change.log  Version-to-version change highlights.

Programmer and internal documentation:
libjpeg.doc  How to use the JPEG library in your own programs.
example.c       Sample code for calling the JPEG library.
structure.doc   Overview of the JPEG library's internal structure.
filelist.doc    Road map of IJG files.
coderules.doc   Coding style rules --- please read if you contribute code.

Please read at least the files install.doc and usage.doc. Useful information can also be found in the JPEG FAQ (Frequently Asked Questions) article. See ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

If you want to understand how the JPEG code works, we suggest reading one or more of the REFERENCES, then looking at the documentation files (in roughly the order listed) before diving into the code.

OVERVIEW
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This package contains C software to implement JPEG image compression and decompression. JPEG (pronounced "jay-peg") is a standardized compression method for full-color and gray-scale images. JPEG is intended for compressing "real-world" scenes; line drawings, cartoons and other non-realistic images are not its strong suit. JPEG is lossy, meaning that the output image is not exactly identical to the input image. Hence you must not use JPEG if you have to have identical output bits. However, on typical photographic images, very good compression levels can be obtained with no visible change, and remarkably high compression levels are possible if you can tolerate a low-quality image. For more details, see the references, or just experiment with various compression settings.

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. For legal reasons, we are not distributing code for the arithmetic-coding variants of JPEG; see LEGAL ISSUES. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files, plus two sample applications "cjpeg" and "djpeg", which use the library to perform conversion between JPEG and some other popular image file formats. The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability: for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application. We have also included "jpegtran", a utility for lossless transcoding between different JPEG
processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

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The Unix configuration script "configure" was produced with GNU Autoconf. It is copyright by the Free Software Foundation but is freely distributable. The same holds for its supporting scripts (config.guess, config.sub, ltconfig, ltmain.sh). Another support script, install-sh, is copyright by M.I.T. but is also freely distributable.

It appears that the arithmetic coding option of the JPEG spec is covered by patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot legally be used without obtaining one or more licenses. For this reason, support for arithmetic coding has been removed from the free JPEG software. (Since arithmetic coding provides only a marginal gain over the unpatented Huffman mode, it is unlikely that very many implementations will support it.) So far as we are aware, there are no patent restrictions on the remaining code.

The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.
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REFERENCES
========

We highly recommend reading one or more of these references before trying to understand the innards of the JPEG software.

The best short technical introduction to the JPEG compression algorithm is Wallace, Gregory K. "The JPEG Still Picture Compression Standard", Communications of the ACM, April 1991 (vol. 34 no. 4), pp. 30-44. (Adjacent articles in that issue discuss MPEG motion picture compression, applications of JPEG, and related topics.) If you don't have the CACM issue handy, a PostScript file containing a revised version of Wallace's article is available at ftp://ftp.uu.net/graphics/jpeg/wallace.ps.gz. The file (actually a preprint for an article that appeared in IEEE Trans. Consumer Electronics) omits the sample images that appeared in CACM, but it includes corrections and some added material. Note: the Wallace article is copyright ACM and IEEE, and it may not be used for commercial purposes.

A somewhat less technical, more leisurely introduction to JPEG can be found in "The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look at a full implementation, you've got one here...


The JPEG standard itself is not available electronically; you must order a paper copy through ISO or ITU. (Unless you feel a need to own a certified official copy, we recommend buying the Pennebaker and Mitchell book instead; it's much cheaper and includes a great deal of useful explanatory material.) In the USA, copies of the standard may be ordered from ANSI Sales at (212) 642-4900, or from Global Engineering Documents at (800) 854-7179. (ANSI doesn't take credit card orders, but Global does.) It's not cheap: as of 1992, ANSI was charging $95 for Part 1 and $47 for Part 2, plus 7%

Some extensions to the original JPEG standard are defined in JPEG Part 3, a newer ISO standard numbered ISO/IEC IS 10918-3 and ITU-T T.84. IJG currently does not support any Part 3 extensions.

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the “JFIF” conventions, revision 1.02. A copy of the JFIF spec is available from:

Literature Department
C-Cube Microsystems, Inc.
1778 McCarthy Blvd.
Milpitas, CA 95035
phone (408) 944-6300, fax (408) 944-6314

A PostScript version of this document is available by FTP at ftp://ftp.uu.net/graphics/jpeg/jfif.ps.gz. There is also a plain text version at ftp://ftp.uu.net/graphics/jpeg/jfif.txt.gz, but it is missing the figures.

The TIFF 6.0 file format specification can be obtained by FTP from ftp://ftp.sgi.com/graphics/tiff/TIFF6.ps.gz. The JPEG incorporation scheme found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems. IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6). Instead, we recommend the JPEG design proposed by TIFF Technical Note #2 (Compression tag 7). Copies of this Note can be obtained from ftp.sgi.com or from ftp://ftp.uu.net/graphics/jpeg/. It is expected that the next revision of the TIFF spec will replace the 6.0 JPEG design with the Note's design. Although IJG's own code does not support TIFF/JPEG, the free libtiff library uses our library to implement TIFF/JPEG per the Note. libtiff is available from ftp://ftp.sgi.com/graphics/tiff/.

ARCHIVE LOCATIONS

The "official" archive site for this software is ftp.uu.net (Internet address 192.48.96.9). The most recent released version can always be found there in directory graphics/jpeg. This particular version will be archived as ftp://ftp.uu.net/graphics/jpeg/jpegsrc.v6b.tar.gz. If you don't have direct Internet access, UUNET's archives are also available via UUCP; contact help@uunet.uu.net for information on retrieving files that way.
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You can also obtain this software in DOS-compatible "zip" archive format from the SimTel archives (ftp://ftp.simtel.net/pub/simtelnet/msdos/graphics/), or on CompuServe in the Graphics Support forum (GO CIS:GRAPHSUP), library 12 "JPEG Tools". Again, these versions may sometimes lag behind the ftp.uu.net release.

The JPEG FAQ (Frequently Asked Questions) article is a useful source of general information about JPEG. It is updated constantly and therefore is not included in this distribution. The FAQ is posted every two weeks to Usenet newsgroups comp.graphics.misc, news.answers, and other groups. It is available on the World Wide Web at http://www.faqs.org/faqs/jpeg-faq/ and other news.answers archive sites, including the official news.answers archive at rtfm.mit.edu: ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/.

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RELATED SOFTWARE
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Numerous viewing and image manipulation programs now support JPEG. (Quite a few of them use this library to do so.) The JPEG FAQ described above lists some of the more popular free and shareware viewers, and tells where to obtain them on Internet.

If you are on a Unix machine, we highly recommend Jef Poskanzer's free PBMPLUS software, which provides many useful operations on PPM-format image files. In particular, it can convert PPM images to and from a wide range of other formats, thus making cjpeg/djpeg considerably more useful. The latest version is distributed by the NetPBM group, and is available from numerous sites, notably ftp://wuarchive.wustl.edu/graphics/graphics/packages/NetPBM/.

Unfortunately PBMPLUS/NETPBM is not nearly as portable as the IJG software is; you are likely to have difficulty making it work on any non-Unix machine.

A different free JPEG implementation, written by the PVRG group at Stanford, is available from ftp://havefun.stanford.edu/pub/jpeg/. This program is designed for research and experimentation rather than production use; it is slower, harder to use, and less portable than the IJG code, but it is easier to read and modify. Also, the PVRG code supports lossless JPEG, which we do not. (On the other hand, it doesn't do progressive JPEG.)

FILE FORMAT WARS
Some JPEG programs produce files that are not compatible with our library. The root of the problem is that the ISO JPEG committee failed to specify a concrete file format. Some vendors "filled in the blanks" on their own, creating proprietary formats that no one else could read. (For example, none of the early commercial JPEG implementations for the Macintosh were able to exchange compressed files.)

The file format we have adopted is called JFIF (see REFERENCES). This format has been agreed to by a number of major commercial JPEG vendors, and it has become the de facto standard. JFIF is a minimal or "low end" representation. We recommend the use of TIFF/JPEG (TIFF revision 6.0 as modified by TIFF Technical Note #2) for "high end" applications that need to record a lot of additional data about an image. TIFF/JPEG is fairly new and not yet widely supported, unfortunately.

The upcoming JPEG Part 3 standard defines a file format called SPIFF. SPIFF is interoperable with JFIF, in the sense that most JFIF decoders should be able to read the most common variant of SPIFF. SPIFF has some technical advantages over JFIF, but its major claim to fame is simply that it is an official standard rather than an informal one. At this point it is unclear whether SPIFF will supersed JFIF or whether JFIF will remain the de-facto standard. IJG intends to support SPIFF once the standard is frozen, but we have not decided whether it should become our default output format or not. (In any case, our decoder will remain capable of reading JFIF indefinitely.)

Various proprietary file formats incorporating JPEG compression also exist. We have little or no sympathy for the existence of these formats. Indeed, one of the original reasons for developing this free software was to help force convergence on common, open format standards for JPEG files. Don't use a proprietary file format!

TO DO
=====

The major thrust for v7 will probably be improvement of visual quality. The current method for scaling the quantization tables is known not to be very good at low Q values. We also intend to investigate block boundary smoothing, "poor man's variable quantization", and other means of improving quality-vs-file-size performance without sacrificing compatibility.

In future versions, we are considering supporting some of the upcoming JPEG Part 3 extensions --- principally, variable quantization and the SPIFF file format.

As always, speeding things up is of great interest.
1.2483 xfsdump 3.1.4 1.el7
1.2483.1 Available under license:

This package was debianized by Nathan Scott nathans@debian.org on Sun, 19 Nov 2000 07:37:09 -0500.

It was downloaded from ftp://oss.sgi.com/projects/xfs/download/

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*/

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* /opt/cola/permits/1150926774_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-
  jar/com/google/errorprone/annotations/FormatString.java
* /opt/cola/permits/1150926774_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-
  jar/com/google/errorprone/annotations/FormatMethod.java
* /opt/cola/permits/1150926774_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-
  jar/com/google/errorprone/annotations/MustBeClosed.java
* /opt/cola/permits/1150926774_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-
  jar/com/google/errorprone/annotations/RestrictedApi.java
* /opt/cola/permits/1150926774_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-
  jar/com/google/errorprone/annotations/CompatibleWith.java
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* /opt/cola/permits/1150926774_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-
  jar/com/google/errorprone/annotations/NoAllocation.java
* /opt/cola/permits/1150926774_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-
  jar/com/google/errorprone/annotations/concurrent/UnlockMethod.java
* /opt/cola/permits/1150926774_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-
  jar/com/google/errorprone/annotations/concurrent/LockMethod.java
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Found in path(s):
* /opt/cola/permits/1150926774_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-jar/com/google/errorprone/annotations/DoNotCall.java
* /opt/cola/permits/1150926774_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-jar/com/google/errorprone/annotations/OverridingMethodsMustInvokeSuper.java
* /opt/cola/permits/1150926774_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-jar/com/google/errorprone/annotations/CheckReturnValue.java
* /opt/cola/permits/1150926774_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-jar/com/google/errorprone/annotations/concurrent/GuardedBy.java

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Found in path(s):
* /opt/cola/permits/1150926774_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-jar/com/google/errorprone/annotations/CanIgnoreReturnValue.java
* /opt/cola/permits/1150926774_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-jar/com/google/errorprone/annotations/RequiredModifiers.java
* /opt/cola/permits/1150926774_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-jar/com/google/errorprone/annotations/SuppressPackageLocation.java
* /opt/cola/permits/1150926774_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-jar/com/google/errorprone/annotations/CompileTimeConstant.java
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1.2485 btree 1.0.0

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1.2486 jsondiff 1.1.2

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1.2487 murmur 1.1.0

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Open Source Used In ND-NODE v2.1.2b
value && value.__esModule) return value;\n \t\tvar ns = Object.create(null);\n \t\t__webpack_require__.r(ns);\n
\t\tObject.defineProperty(ns, 'default', { enumerable: true, value: value });\n \t\tif(mode & 2 && typeof value !=
'string') for(var key in value) __webpack_require__.d(ns, key, function(key) { return value[key]; }.bind(null,
key));\n \t\treturn ns;\n \t};\n\n \t// getDefaultExport function for compatibility with non-harmony modules\n
\t__webpack_require__.n = function(module) {\n \t\tvar getter = module && module.__esModule ?\n \t\t\tfunction
getDefault() { return module['default']; } :\n \t\t\tfunction getModuleExports() { return module; };\n
\t\t__webpack_require__.d(getter, 'a', getter);\n \t\treturn getter;\n \t};\n\n \t//
Object.prototype.hasOwnProperty.call\n \t__webpack_require__.o = function(object, property) { return
Object.prototype.hasOwnProperty.call(object, property); };\n\n \t// __webpack_public_path__\n
\t__webpack_require__.p = \"\";\n\n\n \t// Load entry module and return exports\n \treturn
__webpack_require__(__webpack_require__.s = \"fb15\");\n","var Symbol = require('./_Symbol');\n\n/** Used for
built-in method references. */\nvar objectProto = Object.prototype;\n\n/** Used to check objects for own properties.
*/\nvar hasOwnProperty = objectProto.hasOwnProperty;\n\n/**\n * Used to resolve the\n *
[`toStringTag`](http://ecma-international.org/ecma-262/7.0/#sec-object.prototype.tostring)\n * of values.\n */\nvar
nativeObjectToString = objectProto.toString;\n\n/** Built-in value references. */\nvar symToStringTag = Symbol ?
Symbol.toStringTag : undefined;\n\n/**\n * A specialized version of `baseGetTag` which ignores
`Symbol.toStringTag` values.\n *\n * @private\n * @param {*} value The value to query.\n * @returns {string}
Returns the raw `toStringTag`.\n */\nfunction getRawTag(value) {\n var isOwn = hasOwnProperty.call(value,
symToStringTag),\n
tag = value[symToStringTag];\n\n try {\n value[symToStringTag] = undefined;\n var
unmasked = true;\n } catch (e) {}\n\n var result = nativeObjectToString.call(value);\n if (unmasked) {\n if
(isOwn) {\n
value[symToStringTag] = tag;\n } else {\n
delete value[symToStringTag];\n }\n }\n return
result;\n}\n\nmodule.exports = getRawTag;\n","'use strict';\nvar LIBRARY = require('./_library');\nvar $export =
require('./_export');\nvar redefine = require('./_redefine');\nvar hide = require('./_hide');\nvar Iterators =
require('./_iterators');\nvar $iterCreate = require('./_iter-create');\nvar setToStringTag = require('./_set-to-stringtag');\nvar getPrototypeOf = require('./_object-gpo');\nvar ITERATOR = require('./_wks')('iterator');\nvar BUGGY =
!([].keys && 'next' in [].keys()); // Safari has buggy iterators w/o `next`\nvar FF_ITERATOR = '@@iterator';\nvar
KEYS = 'keys';\nvar VALUES = 'values';\n\nvar returnThis = function () { return this; };\n\nmodule.exports =
function (Base, NAME, Constructor, next, DEFAULT, IS_SET, FORCED) {\n $iterCreate(Constructor, NAME,
next);\n var getMethod = function (kind) {\n if (!BUGGY && kind in proto) return proto[kind];\n switch (kind)
{\n
case KEYS: return function keys() { return new Constructor(this, kind); };\n
case VALUES: return
function values() { return new Constructor(this, kind); };\n } return function entries() { return new
Constructor(this, kind); };\n };\n var TAG = NAME + ' Iterator';\n var DEF_VALUES = DEFAULT ==
VALUES;\n var VALUES_BUG = false;\n var proto = Base.prototype;\n var $native = proto[ITERATOR] ||
proto[FF_ITERATOR] || DEFAULT && proto[DEFAULT];\n var $default = $native || getMethod(DEFAULT);\n
var $entries = DEFAULT ? !DEF_VALUES ? $default : getMethod('entries') : undefined;\n var $anyNative =
NAME == 'Array' ? proto.entries || $native : $native;\n var methods, key, IteratorPrototype;\n // Fix native\n if
($anyNative) {\n IteratorPrototype = getPrototypeOf($anyNative.call(new Base()));\n if (IteratorPrototype !==
Object.prototype && IteratorPrototype.next) {\n
// Set @@toStringTag to native iterators\n
setToStringTag(IteratorPrototype, TAG, true);\n
// fix for some old engines\n
if (!LIBRARY && typeof
IteratorPrototype[ITERATOR] != 'function') hide(IteratorPrototype, ITERATOR, returnThis);\n }\n }\n // fix
Array#{values, @@iterator}.name in V8 / FF\n if (DEF_VALUES && $native && $native.name !== VALUES)
{\n VALUES_BUG = true;\n $default = function values() { return $native.call(this); };\n }\n // Define iterator\n
if ((!LIBRARY || FORCED) && (BUGGY || VALUES_BUG || !proto[ITERATOR])) {\n hide(proto,
ITERATOR, $default);\n }\n // Plug for library\n Iterators[NAME] = $default;\n Iterators[TAG] = returnThis;\n
if (DEFAULT) {\n methods = {\n
values: DEF_VALUES ? $default : getMethod(VALUES),\n
keys:
IS_SET ? $default : getMethod(KEYS),\n
entries: $entries\n };\n if (FORCED) for (key in methods) {\n
if
(!(key in proto)) redefine(proto, key, methods[key]);\n } else $export($export.P + $export.F * (BUGGY ||
VALUES_BUG), NAME, methods);\n }\n return methods;\n};\n","var isPrototype = require('./_isPrototype'),\n

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nativeKeys = require('./_nativeKeys');

/*
 * Used for built-in method references.
 */

var objectProto = Object.prototype;

/*
 * Used to check objects for own properties.
 */

var hasOwnProperty = objectProto.hasOwnProperty;

/*
 * The base implementation of `_keys` which doesn't treat sparse arrays as
 * dense.
 */

var _keys = function(object) {
  var result = [];
  for (var key in object) {
    if (hasOwnProperty.call(object, key) && key !== 'constructor') {
      result.push(key);
    }
  }
  return result;
}

module.exports = _keys;

var Symbol = require('./_Symbol'),
    isArguments = require('./isArguments'),
    isArray = require('./isArray');

/**
 * The base implementation of `_.keys` which doesn't treat sparse arrays as
 * dense.
 *
 * @private
 * @param {Object} object The object to query.
 * @returns {Array} Returns the array of property names.
 */

function _keys(object) {
  if (!isPrototype(object)) {
    return nativeKeys(object);
  }
  var result = [];
  for (var key in Object(object)) {
    if (hasOwnProperty.call(object, key) && key !== 'constructor') {
      result.push(key);
    }
  }
  return result;
}

module.exports = _keys;

var _getNative = require('./_getNative'),
    _isArguments = require('./_isArguments'),
    _isArray = require('./_isArray');

/**
 * Checks if `value` is a flattenable `arguments` object or array.
 */

function _isArrayLike(object) {
  return _isArguments(object) || _isArray(object);
}

module.exports = _isArrayLike;

var _keyOf = require('./_keyOf'),
    _toKeyOf = require('./_toKeyOf'),
    _toSource = require('./_toSource');

/**
 * Checks if `value` is a flattenable `arguments` object or array.
 */

function _isFlattenable(value) {
  return isArray(value) || _isArguments(value) || _toSource(value);
}

module.exports = _isFlattenable;

var _stubFalse = function() {
  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;

var _isStrictComparable = function(value) {
  return value === value && !isObject(value);
}

module.exports = _isStrictComparable;

import mod from '...

// https://github.com/tc39/proposal-promise-finally
'use strict';
var $export = require('./_export');
var core = require('./_core');
var global = require('./_global');
var speciesConstructor = require('./_species-constructor');
var promiseResolve = require('./_promise-resolve');

$export($export.P + $export.R, 'Promise', { 'finally': function (onFinally) {
  var C = speciesConstructor(this, core.Promise || global.Promise);
  var isFunction = typeof onFinally == 'function';
  return this.then(
    isFunction ? function (x) {
      return promiseResolve(C, onFinally()).then(function () { return x; });
    } : onFinally,
    isFunction ? function (e) {
      return promiseResolve(C, onFinally()).then(function () { throw e; });
    } : onFinally);
  }));

var baseIsNative = require('./_baseIsNative'),
    _getValue = require('./_getValue');

/**
 * Gets the native function at `key` of `object`.
 *
 * @private
 * @param {Object} object The object to query.
 * @param {string} key The key of the method to get.
 * @returns {*} Returns the function.
 */

function _getNative(object, key) {
  var value = _getValue(object, key);
  return baseIsNative(value) ? value : undefined;
}

module.exports = _getNative;

var _anObject = require('./_an-object'),
    _getGlobal = require('./_getGlobal'),
    getBuiltIn = require('./_getBuiltIn');

/**
 * Check if a function is ` counterparts`.
 *
 * @private
 * @param {Function} func The function to check.
 * @returns {boolean} Returns `true` if the function is a ` counterparts`, else `false`.
 */

function _isFuncLike(func) {
  return func == null || typeof func == 'function';
}

module.exports = _isFuncLike;

var _toSource = require('./_toSource'),
    _toKeyOf = require('./_toKeyOf'),
    _isSymbol = require('./_isSymbol');

/**
 * Checks if `value` is a flattenable `arguments` object or array.
 */

function _isFlattenable(value) {
  var source = _toSource(value);
  var isObject = _toKeyOf(source) == Object[source];
  return isObject ? _isArguments(source) : _isArray(source);
}

module.exports = _isFlattenable;
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 && freeModule.exports == freeExports;

var Buffer = moduleExports ? root.Buffer : undefined;

var isBuffer = nativeIsBuffer || stubFalse;

module.exports = isBuffer;

var identity = require('./identity'),
    overRest = require('./_overRest'),
    setToString = require('./_setToString');

/**
 * The base implementation of `_.rest` which doesn't validate or coerce arguments.
 * @private
 * @param {Function} func The function to apply a rest parameter to.
 * @param {number} [start=func.length-1] The start position of the rest parameter.
 * @returns {Function} Returns the new function.
 */
function baseRest(func, start) {
  return setToString(overRest(func, start, identity), func + '');
}

module.exports = baseRest;

import mod from "-
!../../node_modules/mini-css-extract-plugin/dist/loader.js??ref--8-oneOf-1-0!../../node_modules/css-loader/index.js??ref--8-oneOf-1-1!../../node_modules/vue-loader/lib/loaders/stylePostLoader.js!../../node_modules/postcss-loader/src/index.js??ref--8-oneOf-1-2!../../node_modules/sass-loader/lib/loader.js??ref--8-oneOf-1-3!../../node_modules/cache-loader/dist/cjs.js??ref--0-0!../../node_modules/vue-loader/lib/index.js??vue-loader-options!./EmbeddableFooter.vue?vue&type=style&index=0&id=36cb84e2&lang=scss&scoped=true&"; export
default mod; export * from "-
!../../node_modules/mini-css-extract-plugin/dist/loader.js??ref--8-oneOf-1-0!../../node_modules/css-loader/index.js??ref--8-oneOf-1-1!../../node_modules/vue-loader/lib/loaders/stylePostLoader.js!../../node_modules/postcss-loader/src/index.js??ref--8-oneOf-1-2!../../node_modules/sass-loader/lib/loader.js??ref--8-oneOf-1-3!../../node_modules/cache-loader/dist/cjs.js??ref--0-0!../../node_modules/vue-loader/lib/index.js??vue-loader-options!./EmbeddableFooter.vue?vue&type=style&index=0&id=36cb84e2&lang=scss&scoped=true&";

function (x) {
  if (!x) return false;
  if (typeof x === 'symbol') return true;
  if (!x.constructor) return false;
  if (x.constructor.name !== 'Symbol') return false;
  return (x[x.constructor.toStringTag] === 'Symbol');
};

/*!
 * 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
 */
( function( global, factory ) {

  "use strict";

  if ( typeof module === "object" && typeof module.exports === "object" ) {
    // For CommonJS and CommonJS-like environments where a proper `window`
    // is present, execute the factory and get jQuery.
    // For environments that do not have a `window` with a `document` `window`
    // (such as Node.js), expose a factory as module.exports.
    module.exports = factory( global, true ) :
    function ( w ) {
      (x.constructor.toStringTag) === 'Symbol') return true;
  return (x[x.constructor.toStringTag] === 'Symbol');
}

https://jquery.com/" *\n* Includes Sizzle.js // * * Copyright JS Foundation and other contributors
*
* Released under the MIT license
* https://jquery.org/license
* * Date: 2018-01-20T17:24Z
* * (function( global, factory ) {"use strict";}

var $keys = require('./_object-keys-internal');
var enumBugKeys = require('./_enum-bug-keys');

module.exports = Object.keys || function keys(O) {
  return $keys(O, enumBugKeys);
};

var identity = require('./identity'),
    overRest = require('./_overRest'),
    setToString = require('./_setToString');

/**
 * The base implementation of `_.rest` which doesn't validate or coerce arguments.
 * @private
 * @param {Function} func The function to apply a rest parameter to.
 * @param {number} [start=func.length-1] The start position of the rest parameter.
 * @returns {Function} Returns the new function.
 */
function baseRest(func, start) {
  return setToString(overRest(func, start, identity), func + '');
}

module.exports = baseRest;

import mod from "-
!../../node_modules/mini-css-extract-plugin/dist/loader.js??ref--8-oneOf-1-0!../../node_modules/css-loader/index.js??ref--8-oneOf-1-1!../../node_modules/vue-loader/lib/loaders/stylePostLoader.js!../../node_modules/postcss-loader/src/index.js??ref--8-oneOf-1-2!../../node_modules/sass-loader/lib/loader.js??ref--8-oneOf-1-3!../../node_modules/cache-loader/dist/cjs.js??ref--0-0!../../node_modules/vue-loader/lib/index.js??vue-loader-options!./EmbeddableFooter.vue?vue&type=style&index=0&id=36cb84e2&lang=scss&scoped=true&"; export
default mod; export * from "-
!../../node_modules/mini-css-extract-plugin/dist/loader.js??ref--8-oneOf-1-0!../../node_modules/css-loader/index.js??ref--8-oneOf-1-1!../../node_modules/vue-loader/lib/loaders/stylePostLoader.js!../../node_modules/postcss-loader/src/index.js??ref--8-oneOf-1-2!../../node_modules/sass-loader/lib/loader.js??ref--8-oneOf-1-3!../../node_modules/cache-loader/dist/cjs.js??ref--0-0!../../node_modules/vue-loader/lib/index.js??vue-loader-options!./EmbeddableFooter.vue?vue&type=style&index=0&id=36cb84e2&lang=scss&scoped=true&";
positionals\n * @param {Function} fn\n */\n
function createPositionalPseudo( fn ) {
	return markFunction(function( argument ) {
		return argument;\n
	});\n
}\n
function createPositionalPseudo( fn ) {
	return markFunction(function( argument ) {
		return argument;\n
	});\n
}\n
positionals\n * @param {Function} fn\n */

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	});\n
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positionals\n * @param {Function} fn\n */

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	return markFunction(function( argument ) {
		return argument;\n
	});\n
}\n
function createPositionalPseudo( fn ) {
	return markFunction(function( argument ) {
		return argument;\n
	});\n
}
elems[i++]);
        node = elem.getAttributeNode("id");
        if ( node && node.value === id ) {
            return [ elem ];
        } else if ( support.qsa ) {
            return [ elem ];
        }
    }

    return [ ];
};

// Tag
Expr.find["TAG"] = support.getElementsByTagName ?
    function( tag, context ) {
        if ( typeof context.getElementsByTagName !== "undefined" ) {
            return context.getElementsByTagName( tag );
        } else if ( support.qsa ) {
            return context.querySelectorAll( tag );
        }
    } :

    function( tag, context ) {
        var elem,
            tmp = [],
            i = 0,
            results = context.getElementsByTagName( tag );

        // Filter out possible comments
        if ( tag === "*" ) {
            while ( (elem = results[i++]) ) {
                if ( elem.nodeType === 1 ) {
                    tmp.push( elem);
                }
            }
        }
        return tmp;
    };
Open Source Used In ND-NODE v2.1.2b

```javascript
var rbuggyQSA = /
pseudos).join(", ");
			}

			// Opera 10-11 does not throw on post-comma invalid pseudos
			el.querySelectorAll("*,:x");
			rbuggyQSA.push(",.*:");
			});
		nuggageQSA = rbuggyQSA.length && new RegExp( rbuggyQSA.join("|") );

			assert(function( el ) {
				// Check to see if it's possible to do matchesSelector on a disconnected
document. This should fail with an exception of Gecko does not return errors instead of matches.call,

				return false;
			});

			matcher = function( a, b ) {
				if ( b ) {
					if ( b.ownerDocument || b === document ) {
						return false;
					}
				}
				return true;
			};

			assert(function( el ) {
				// Check to see if it's possible to do matchesSelector on a disconnected

document. This should fail with an exception of Gecko does not return errors instead of matches.call,

				return false;
			});

			matcher = function( a, b ) {
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				return false;
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						return false;
					}
				}
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				return false;
			});

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					if ( b.ownerDocument || b === document ) {
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				return false;
			});

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				if ( b ) {
					if ( b.ownerDocument || b === document ) {
						return false;
					}
				}
				return true;
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document. This should fail with an exception of Gecko does not return errors instead of matches.call,

				return false;
			});

			matcher = function( a, b ) {
				if ( b ) {
					if ( b.ownerDocument || b === document ) {
						return false;
					}
				}
				return true;
			};

			assert(function( el ) {
				// Check to see if it's possible to do matchesSelector on a disconnected

document. This should fail with an exception of Gecko does not return errors instead of matches.call,

				return false;
			});

			matcher = function( a, b ) {
				if ( b ) {
					if ( b.ownerDocument || b === document ) {
						return false;
					}
				}
				return true;
			};

			assert(function( el ) {
				// Check to see if it's possible to do matchesSelector on a disconnected

document. This should fail with an exception of Gecko does not return errors instead of matches.call,

				return false;
			});

			matcher = function( a, b ) {
				if ( b ) {
					if ( b.ownerDocument || b === document ) {
						return false;
					}
				}
				return true;
			};

			assert(function( el ) {
				// Check to see if it's possible to do matchesSelector on a disconnected

document. This should fail with an exception of Gecko does not return errors instead of matches.call,

				return false;
			});

			matcher = function( a, b ) {
				if ( b ) {
					if ( b.ownerDocument || b === document ) {
						return false;
					}
				}
				return true;
		```
function( elem ) { return elem.nodeName && elem.nodeName.toLowerCase(); }

// Tag: function( className ) {

// Class: function( elem ) {

// Child: function( elem, context, xml ) {

// Attr: function( name, elem ) {

// Pseudo: function( type, what, argument, first, last ) {

// Support: IE <9

// Defend against cloned attributes (jQuery gh-1709)

// Unique Cache: outerCache[node.uniqueID] = uniqueCache;

// Outer Cache: outerCache[node.uniqueID] = uniqueCache[type];

// Null: return null

// True: return true

// False: return false

// Undefined: return undefined

// Null: return null

// Function: function() { return true; }
] = !(matcherIn[ postMap[i] ] = elem);\n\t\t\t\t}\n\t\t\t}\n\t\t}\n\n\t\tif ( seed ) {\n\t\t\tif ( postFinder || preFilter )
{\n\t\t\t\tif ( postFinder ) {\n\t\t\t\t\t// Get the final matcherOut by condensing this intermediate into postFinder
contexts\n\t\t\t\t\ttemp = [];\n\t\t\t\t\ti = matcherOut.length;\n\t\t\t\t\twhile ( i-- ) {\n\t\t\t\t\t\tif ( (elem =
matcherOut[i]) ) {\n\t\t\t\t\t\t\t// Restore matcherIn since elem is not yet a final match\n\t\t\t\t\t\t\ttemp.push(
(matcherIn[i] = elem) );\n\t\t\t\t\t\t}\n\t\t\t\t\t}\n\t\t\t\t\tpostFinder( null, (matcherOut = []), temp, xml
);\n\t\t\t\t}\n\n\t\t\t\t// Move matched elements from seed to results to keep them synchronized\n\t\t\t\ti =
matcherOut.length;\n\t\t\t\twhile ( i-- ) {\n\t\t\t\t\tif ( (elem = matcherOut[i]) &&\n\t\t\t\t\t\t(temp = postFinder ?
indexOf( seed, elem ) : preMap[i]) > -1 ) {\n\n\t\t\t\t\t\tseed[temp] = !(results[temp] =
elem);\n\t\t\t\t\t}\n\t\t\t\t}\n\t\t\t}\n\n\t\t// Add elements to results, through postFinder if defined\n\t\t} else
{\n\t\t\tmatcherOut = condense(\n\t\t\t\tmatcherOut === results ?\n\t\t\t\t\tmatcherOut.splice( preexisting,
matcherOut.length ) :\n\t\t\t\t\tmatcherOut\n\t\t\t);\n\t\t\tif ( postFinder ) {\n\t\t\t\tpostFinder( null, results,
matcherOut, xml );\n\t\t\t} else {\n\t\t\t\tpush.apply( results, matcherOut );\n\t\t\t}\n\t\t}\n\t});\n}\n\nfunction
matcherFromTokens( tokens ) {\n\tvar checkContext, matcher, j,\n\t\tlen = tokens.length,\n\t\tleadingRelative =
Expr.relative[ tokens[0].type ],\n\t\timplicitRelative = leadingRelative || Expr.relative[\" \"],\n\t\ti = leadingRelative
? 1 : 0,\n\n\t\t// The foundational matcher ensures that elements are reachable from top-level
context(s)\n\t\tmatchContext = addCombinator( function( elem ) {\n\t\t\treturn elem === checkContext;\n\t\t},
implicitRelative, true ),\n\t\tmatchAnyContext = addCombinator( function( elem ) {\n\t\t\treturn indexOf(
checkContext, elem ) > -1;\n\t\t}, implicitRelative, true ),\n\t\tmatchers = [ function( elem, context, xml ) {\n\t\t\tvar
ret = ( !leadingRelative && ( xml || context !== outermostContext ) ) || (\n\t\t\t\t(checkContext = context).nodeType
?\n\t\t\t\t\tmatchContext( elem, context, xml ) :\n\t\t\t\t\tmatchAnyContext( elem, context, xml ) );\n\t\t\t// Avoid
hanging onto element (issue #299)\n\t\t\tcheckContext = null;\n\t\t\treturn ret;\n\t\t} ];\n\n\tfor ( ; i < len; i++ )
{\n\t\tif ( (matcher = Expr.relative[ tokens[i].type ]) ) {\n\t\t\tmatchers = [ addCombinator(elementMatcher(
matchers ), matcher) ];\n\t\t} else {\n\t\t\tmatcher = Expr.filter[ tokens[i].type ].apply( null, tokens[i].matches
);\n\n\t\t\t// Return special upon seeing a positional matcher\n\t\t\tif ( matcher[ expando ] ) {\n\t\t\t\t// Find the next
relative operator (if any) for proper handling\n\t\t\t\tj = ++i;\n\t\t\t\tfor ( ; j < len; j++ ) {\n\t\t\t\t\tif ( Expr.relative[
tokens[j].type ] ) {\n\t\t\t\t\t\tbreak;\n\t\t\t\t\t}\n\t\t\t\t}\n\t\t\t\treturn setMatcher(\n\t\t\t\t\ti > 1 && elementMatcher(
matchers ),\n\t\t\t\t\ti > 1 && toSelector(\n\t\t\t\t\t\t// If the preceding token was a descendant combinator, insert an
implicit any-element `*`\n\t\t\t\t\t\ttokens.slice( 0, i - 1 ).concat({ value: tokens[ i - 2 ].type === \" \" ? \"*\" : \"\"
})\n\t\t\t\t\t).replace( rtrim, \"$1\" ),\n\t\t\t\t\tmatcher,\n\t\t\t\t\ti < j && matcherFromTokens( tokens.slice( i, j )
),\n\t\t\t\t\tj < len && matcherFromTokens( (tokens = tokens.slice( j )) ),\n\t\t\t\t\tj < len && toSelector( tokens
)\n\t\t\t\t);\n\t\t\t}\n\t\t\tmatchers.push( matcher );\n\t\t}\n\t}\n\n\treturn elementMatcher( matchers );\n}\n\nfunction
matcherFromGroupMatchers( elementMatchers, setMatchers ) {\n\tvar bySet = setMatchers.length >
0,\n\t\tbyElement = elementMatchers.length > 0,\n\t\tsuperMatcher = function( seed, context, xml, results, outermost
) {\n\t\t\tvar elem, j, matcher,\n\t\t\t\tmatchedCount = 0,\n\t\t\t\ti = \"0\",\n\t\t\t\tunmatched = seed &&
[],\n\t\t\t\tsetMatched = [],\n\t\t\t\tcontextBackup = outermostContext,\n\t\t\t\t// We must always have either seed
elements or outermost context\n\t\t\t\telems = seed || byElement && Expr.find[\"TAG\"]( \"*\", outermost ),\n\t\t\t\t//
Use integer dirruns iff this is the outermost matcher\n\t\t\t\tdirrunsUnique = (dirruns += contextBackup == null ? 1 :
Math.random() || 0.1),\n\t\t\t\tlen = elems.length;\n\n\t\t\tif ( outermost ) {\n\t\t\t\toutermostContext = context ===
document || context || outermost;\n\t\t\t}\n\n\t\t\t// Add elements passing elementMatchers directly to results\n\t\t\t//
Support: IE<9, Safari\n\t\t\t// Tolerate NodeList properties (IE: \"length\"; Safari: <number>) matching elements by
id\n\t\t\tfor ( ; i !== len && (elem = elems[i]) != null; i++ ) {\n\t\t\t\tif ( byElement && elem ) {\n\t\t\t\t\tj =
0;\n\t\t\t\t\tif ( !context && elem.ownerDocument !== document ) {\n\t\t\t\t\t\tsetDocument( elem );\n\t\t\t\t\t\txml =
!documentIsHTML;\n\t\t\t\t\t}\n\t\t\t\t\twhile ( (matcher = elementMatchers[j++]) ) {\n\t\t\t\t\t\tif ( matcher( elem,
context || document, xml) ) {\n\t\t\t\t\t\t\tresults.push( elem );\n\t\t\t\t\t\t\tbreak;\n\t\t\t\t\t\t}\n\t\t\t\t\t}\n\t\t\t\t\tif (
outermost ) {\n\t\t\t\t\t\tdirruns = dirrunsUnique;\n\t\t\t\t\t}\n\t\t\t\t}\n\n\t\t\t\t// Track unmatched elements for set
filters\n\t\t\t\tif ( bySet ) {\n\t\t\t\t\t// They will have gone through all possible matchers\n\t\t\t\t\tif ( (elem =
!matcher && elem) ) {\n\t\t\t\t\t\tmatchedCount--;\n\t\t\t\t\t}\n\n\t\t\t\t\t// Lengthen the array for every element,
matched or not\n\t\t\t\t\tif ( seed ) {\n\t\t\t\t\t\tunmatched.push( elem );\n\t\t\t\t\t}\n\t\t\t\t}\n\t\t\t}\n\n\t\t\t// `i` is now

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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 nonnegative numerically zero. Generate a function of recursive functions that can be used to check each element. If the leading compound selector is an ID, fetch a seed set for right-to-left matching. Reduce context if the leading compound selector is an ID. Save selector and tokenization. A low-level selection function that works with Sizzle's compiled selector functions or a pre-compiled selector function built with Sizzle.compile. Try to minimize operations if there is only one selector in the list and no seed.

Suppose we modified the selector above. Override manipulation of globals by nested matchers. Generate a function of recursive functions that can be used to check each element. If `matchedCount > 0` and we have no element matchers and no seed.

Add matches to results. Reintegrate element matches to eliminate the need for sorting. Discard index placeholder values to get only actual matches.

Add matches to results. Reintegrate element matches to eliminate the need for sorting. Discard index placeholder values to get only actual matches. Reintegrate element matches to eliminate the need for sorting.

Try to minimize operations if there is only one selector in the list and no seed. (the latter of which guarantees us context) Try to minimize operations if there is only one selector in the list and no seed.

Try to minimize operations if there is only one selector in the list and no seed. Remove all whitespaces from the selector.

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Remove all whitespaces from the selector. Remove all whitespaces from the selector. Remove all whitespaces from the selector. Remove all whitespaces from the selector. Remove all whitespaces from the selector. Remove all whitespaces from the selector. Remove all whitespaces from the selector. Remove all whitespaces from the selector.
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null

desired element

```javascript
if ( this.handle.length ) {
    return this.handle[ 0 ];
}
```
Clean up if we've done firing for good

If we have memory from a past run, we should fire after adding (memory & & !firing)

Add a callback or a collection of callbacks to the list

Remove a callback from the list

Remove all callbacks from the list

Disable .fire and .add

Check if a given callback is in the list

Abort any current/pending executions

Clear all callbacks and values

Disable: function)

Remove all callbacks from the list

Disable .fire

Also disable .add unless we have memory (since it would have no effect)

Abort any pending executions

Lock: function)

Remove all callbacks from the list

Remove any current/pending executions

Clean up if we're done firing for good

Keep an empty list if we have data for future add calls

Otherwise, this object is spent

Actual Callbacks object

Add a callback or a collection of callbacks to the list

Inspect recursively

FireWith

Call all callbacks with the given context and arguments

Fire

Call all the callbacks with the given arguments

Fire

To know if the callbacks have already been called at least once

Fired

Identify ( v )

Function Thower ( ex )

Function adoptValue ( value, resolve, reject, noValue )

Check for promise aspect first to privilege synchronous behavior ( value & & isFunction ( method = value.promise ) )

Call method.call ( value ).done ( resolve ).fail ( reject )

Other thenables

else if ( value & & isFunction ( method = value.then ) )

Other non-thenables

else ( value & & Control 'resolve' arguments by letting Array#slice cast boolean 'noValue' to integer:

false: [ value ].slice ( 0 ) => resolve ( value )

true: [ value ].slice ( 1 ) => resolve ( value )

For Promises/A+, convert intersections into rejections

Since jQuery, when doesn't unwrap thenables, we can skip the extra checks appearing

Deferred#then to conditionally suppress rejection.

Catch ( value )

Support: Android 4.0 only

Strict mode functions invoked without .call/.apply get global-object context

undefined, [ value ]

Extend ( function ( fun )

Tuple values = [ function, action, add

Listener, callbacks]

... then handlers, argument index, [ final state ]

jQuery

jQuery

jQuery

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2.3.3.3.1\n\t\t\t\t\t\t\t// https://promisesaplus.com/#point-57\n\t\t\t\t\t\t\t// Re-resolve promises immediately to dodge
false rejection from\n\t\t\t\t\t\t\t// subsequent errors\n\t\t\t\t\t\t\tif ( depth ) {\n\t\t\t\t\t\t\t\tprocess();\n\t\t\t\t\t\t\t} else
{\n\n\t\t\t\t\t\t\t\t// Call an optional hook to record the stack, in case of exception\n\t\t\t\t\t\t\t\t// since it's otherwise
lost when execution goes async\n\t\t\t\t\t\t\t\tif ( jQuery.Deferred.getStackHook ) {\n\t\t\t\t\t\t\t\t\tprocess.stackTrace
= jQuery.Deferred.getStackHook();\n\t\t\t\t\t\t\t\t}\n\t\t\t\t\t\t\t\twindow.setTimeout( process
);\n\t\t\t\t\t\t\t}\n\t\t\t\t\t\t};\n\t\t\t\t\t}\n\n\t\t\t\t\treturn jQuery.Deferred( function( newDefer ) {\n\n\t\t\t\t\t\t//
progress_handlers.add( ... )\n\t\t\t\t\t\ttuples[ 0 ][ 3
].add(\n\t\t\t\t\t\t\tresolve(\n\t\t\t\t\t\t\t\t0,\n\t\t\t\t\t\t\t\tnewDefer,\n\t\t\t\t\t\t\t\tisFunction( onProgress )
?\n\t\t\t\t\t\t\t\t\tonProgress
:\n\t\t\t\t\t\t\t\t\tIdentity,\n\t\t\t\t\t\t\t\tnewDefer.notifyWith\n\t\t\t\t\t\t\t)\n\t\t\t\t\t\t);\n\n\t\t\t\t\t\t//
fulfilled_handlers.add( ... )\n\t\t\t\t\t\ttuples[ 1 ][ 3
].add(\n\t\t\t\t\t\t\tresolve(\n\t\t\t\t\t\t\t\t0,\n\t\t\t\t\t\t\t\tnewDefer,\n\t\t\t\t\t\t\t\tisFunction( onFulfilled )
?\n\t\t\t\t\t\t\t\t\tonFulfilled :\n\t\t\t\t\t\t\t\t\tIdentity\n\t\t\t\t\t\t\t)\n\t\t\t\t\t\t);\n\n\t\t\t\t\t\t// rejected_handlers.add( ...
)\n\t\t\t\t\t\ttuples[ 2 ][ 3 ].add(\n\t\t\t\t\t\t\tresolve(\n\t\t\t\t\t\t\t\t0,\n\t\t\t\t\t\t\t\tnewDefer,\n\t\t\t\t\t\t\t\tisFunction(
onRejected ) ?\n\t\t\t\t\t\t\t\t\tonRejected :\n\t\t\t\t\t\t\t\t\tThrower\n\t\t\t\t\t\t\t)\n\t\t\t\t\t\t);\n\t\t\t\t\t}
).promise();\n\t\t\t\t},\n\n\t\t\t\t// Get a promise for this deferred\n\t\t\t\t// If obj is provided, the promise aspect is
added to the object\n\t\t\t\tpromise: function( obj ) {\n\t\t\t\t\treturn obj != null ? jQuery.extend( obj, promise ) :
promise;\n\t\t\t\t}\n\t\t\t},\n\t\t\tdeferred = {};\n\n\t\t// Add list-specific methods\n\t\tjQuery.each( tuples, function( i,
tuple ) {\n\t\t\tvar list = tuple[ 2 ],\n\t\t\t\tstateString = tuple[ 5 ];\n\n\t\t\t// promise.progress = list.add\n\t\t\t//
promise.done = list.add\n\t\t\t// promise.fail = list.add\n\t\t\tpromise[ tuple[ 1 ] ] = list.add;\n\n\t\t\t// Handle
state\n\t\t\tif ( stateString ) {\n\t\t\t\tlist.add(\n\t\t\t\t\tfunction() {\n\n\t\t\t\t\t\t// state = \"resolved\" (i.e.,
fulfilled)\n\t\t\t\t\t\t// state = \"rejected\"\n\t\t\t\t\t\tstate = stateString;\n\t\t\t\t\t},\n\n\t\t\t\t\t//
rejected_callbacks.disable\n\t\t\t\t\t// fulfilled_callbacks.disable\n\t\t\t\t\ttuples[ 3 - i ][ 2 ].disable,\n\n\t\t\t\t\t//
rejected_handlers.disable\n\t\t\t\t\t// fulfilled_handlers.disable\n\t\t\t\t\ttuples[ 3 - i ][ 3 ].disable,\n\n\t\t\t\t\t//
progress_callbacks.lock\n\t\t\t\t\ttuples[ 0 ][ 2 ].lock,\n\n\t\t\t\t\t// progress_handlers.lock\n\t\t\t\t\ttuples[ 0 ][ 3
].lock\n\t\t\t\t);\n\t\t\t}\n\n\t\t\t// progress_handlers.fire\n\t\t\t// fulfilled_handlers.fire\n\t\t\t//
rejected_handlers.fire\n\t\t\tlist.add( tuple[ 3 ].fire );\n\n\t\t\t// deferred.notify = function() { deferred.notifyWith(...)
}\n\t\t\t// deferred.resolve = function() { deferred.resolveWith(...) }\n\t\t\t// deferred.reject = function() {
deferred.rejectWith(...) }\n\t\t\tdeferred[ tuple[ 0 ] ] = function() {\n\t\t\t\tdeferred[ tuple[ 0 ] + \"With\" ]( this ===
deferred ? undefined : this, arguments );\n\t\t\t\treturn this;\n\t\t\t};\n\n\t\t\t// deferred.notifyWith =
list.fireWith\n\t\t\t// deferred.resolveWith = list.fireWith\n\t\t\t// deferred.rejectWith = list.fireWith\n\t\t\tdeferred[
tuple[ 0 ] + \"With\" ] = list.fireWith;\n\t\t} );\n\n\t\t// Make the deferred a promise\n\t\tpromise.promise( deferred
);\n\n\t\t// Call given func if any\n\t\tif ( func ) {\n\t\t\tfunc.call( deferred, deferred );\n\t\t}\n\n\t\t// All
done!\n\t\treturn deferred;\n\t},\n\n\t// Deferred helper\n\twhen: function( singleValue ) {\n\t\tvar\n\n\t\t\t// count of
uncompleted subordinates\n\t\t\tremaining = arguments.length,\n\n\t\t\t// count of unprocessed arguments\n\t\t\ti =
remaining,\n\n\t\t\t// subordinate fulfillment data\n\t\t\tresolveContexts = Array( i ),\n\t\t\tresolveValues = slice.call(
arguments ),\n\n\t\t\t// the master Deferred\n\t\t\tmaster = jQuery.Deferred(),\n\n\t\t\t// subordinate callback
factory\n\t\t\tupdateFunc = function( i ) {\n\t\t\t\treturn function( value ) {\n\t\t\t\t\tresolveContexts[ i ] =
this;\n\t\t\t\t\tresolveValues[ i ] = arguments.length > 1 ? slice.call( arguments ) : value;\n\t\t\t\t\tif ( !( --remaining ) )
{\n\t\t\t\t\t\tmaster.resolveWith( resolveContexts, resolveValues );\n\t\t\t\t\t}\n\t\t\t\t};\n\t\t\t};\n\n\t\t// Single- and
empty arguments are adopted like Promise.resolve\n\t\tif ( remaining <= 1 ) {\n\t\t\tadoptValue( singleValue,
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,

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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
=== 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//

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The code snippet appears to be a part of a JavaScript library function, possibly for managing data on elements in a document. It includes methods for handling data such as reading, setting, and removing data from elements. The code uses a mix of JavaScript syntax and comments, indicating it's a part of a larger codebase, likely for a framework or library.

The snippet includes functions like `data()`, `get()`, `set()`, and `removeData()`, which are typically used for managing data associated with HTML elements. These functions are part of a larger context that involves handling data in a way that's consistent across various web components, possibly for a DOM manipulation library.

The text contains references to various parts of the library, such as `jQuery`, `dataPriv`, `dataUser`, and other objects and methods, indicating it's a part of a complex library or framework that manages data and properties in a consistent manner across different parts of the codebase.

The code also references handling of data in HTML5 attributes, potentially indicating adherence to modern web standards for data storage and retrieval.

Given the nature of the snippet, it's likely part of a larger discussion or implementation of data management in a web application framework, focusing on ways to handle data efficiently and consistently across different parts of the application.
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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" );

	div.appendChild( input );

	// Support: Android 4.0 -
	// and `type` must use .setAttribute for WWA (#14901)
	input.setAttribute( "type", "radio" );
	input.setAttribute(

4.3 only

// Check state lost if the name is set (#11217)
// Support: Windows Web Apps (WWA)
// `name`
	document.createElement( "div" ) ),
		input = document.createElement( "input" );

function( ) {
	var fragment = document.createDocumentFragment(),
		nodes = [],
		i = 0,
		l = elems.length;

	for ( ; i < l; i++ ) {
		elem = elems[ i ];

	if ( elem || elem === 0 ) {

		// Add nodes directly
		if ( toType( elem ) === "object" )
			jQuery( this ).hide();
		} else if ( typeof context.querySelectorAll !== "undefined" ) {
		ret = context.querySelectorAll( tag || "*" );
	} else if ( typeof context.getElementsByTagName !== "undefined" ) {
		ret = context.getElementsByTagName( tag || "*" );
	} else if ( /<\[a-z\]\[^>\0>\x20\t\r\n\f\]/i );

```
div.cloneNode( true ).cloneNode( true ).lastChild.checked;
'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n'\n''

### jQuery Event Handling

The `jQuery` library provides a rich event handling system that allows developers to handle events for HTML elements. The code snippet provided demonstrates various aspects of event handling in `jQuery`.

**Event Delegation:**

- **Handling events:** The `event` object is created using `jQuery.event.fix(nativeEvent)` to create a jQuery event object from a native event.
- **Delegation:** The `dispatch` method is used to trigger events, which can also be handled using event delegation. This allows for a more efficient handling of events, especially when dealing with a large number of DOM elements.

**Event Registration:**

- **Registering events:** Events are handled using the `addEvent` method, which registers an event handler. The handler is added to the element's event handler list.
- **Removing events:** Events can be removed using the `removeEvent` method, which allows for the removal of specific event handlers.

**Event Preprocessing:**

- **Customization:** The `preDispatch` hook can be used to customize event handling. For example, it might call the `postDispatch` hook for the mapped type.

**Namespace Handling:**

- **Namespace:** The `namespace` property is used to identify event names. Events can be matched using regular expressions, allowing for more granular control over event handling.

**Example Usage:**

```javascript
jQuery( "a" ).on( "click", function( event ) {
    // Handle click event
});
```

This snippet demonstrates how to handle `click` events on an anchor element using jQuery's powerful event handling capabilities.
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src.currentTarget; this.relatedTarget = src.currentTarget;

// Create a timestamp if incoming event doesn't have one
this.timeStamp = src && src.timeStamp || Date.now();

// Mark it as fixed
this.isSimulated = true;

// 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[ jQuery.expando ] = true;
};

// jQuery.Event is based
// on DOM3 Events as specified by the ECMAScript Language Binding
// https://www.w3.org/TR/2003/WD-DOM-Level-3-Events-20030331/ecma-script-binding.html
jQuery.Event.prototype = {
	constructor: jQuery.Event,
	isDefaultPrevented: returnFalse,
	isPropagationStopped: returnFalse,
	isSimulated: false,
	preventDefault: function() {
    var e = this.originalEvent;
    this.isDefaultPrevented = returnTrue;
    e && !this.isSimulated

    // Create a timestamp if Incoming event doesn't have one
    this.timeStamp = src && src.timeStamp || Date.now();
    // Mark it as fixed
    this.isSimulated = true;

    // 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[ jQuery.expando ] = true;

// 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[ jQuery.expando ] = true;
};

// jQuery.Event is based
// on DOM3 Events as specified by the ECMAScript Language Binding
// https://www.w3.org/TR/2003/WD-DOM-Level-3-Events-20030331/ecma-script-binding.html
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	constructor: jQuery.Event,
	isDefaultPrevented: returnFalse,
	isPropagationStopped: returnFalse,
	isSimulated: false,
	preventDefault: function() {
    var e = this.originalEvent;
    this.isDefaultPrevented = returnTrue;
    e && !this.isSimulated

    // Create a timestamp if Incoming event doesn't have one
    this.timeStamp = src && src.timeStamp || Date.now();
    // Mark it as fixed
    this.isSimulated = true;

    // 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[ jQuery.expando ] = true;
};

// jQuery.Event is based
// on DOM3 Events as specified by the ECMAScript Language Binding
// https://www.w3.org/TR/2003/WD-DOM-Level-3-Events-20030331/ecma-script-binding.html
jQuery.Event.prototype = {
	constructor: jQuery.Event,
	isDefaultPrevented: returnFalse,
	isPropagationStopped: returnFalse,
	isSimulated: false,
	preventDefault: function() {
    var e = this.originalEvent;
    this.isDefaultPrevented = returnTrue;
    e && !this.isSimulated

    // Create a timestamp if Incoming event doesn't have one
    this.timeStamp = src && src.timeStamp || Date.now();
    // Mark it as fixed
    this.isSimulated = true;

    // 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[ jQuery.expando ] = true;
};
```
function remove(elem, selector, keepData) {
    var node, nodes = selector ? jQuery.filter(selector, elem) : elem,
        i = 0, len = nodes.length;
    for ( ; node = nodes[i]; i++ ) {
        if ( keepData && !node.nodeType ) {
            jQuery.remove( elem, nodes, node );
        } else {
            jQuery.cleanData( getAll(node) );
            if ( node.nodeType === 1 ) {
                jQuery.remove( node, "script" );
                if ( node.hasAttribute && node.hasAttribute("xml")) {
                    node.removeAttribute("xml");
                }
            }
        }
    }
    return collection;
}

function remove( elem, selector, keepData ) {
    var node,
        nodes = selector ? jQuery.filter( selector, elem ) : elem,
        i = 0;

    for ( ; ( node = nodes[ i ] ) != null; i++ ) {
        if ( !keepData ) {
            jQuery.cleanData( getAll( node ) );
        }

        if ( node.parentNode ) {
            if ( keepData ) {
                jQuery.remove( elem, node, "script" );
            } else {
                node.parentNode.removeChild( node );
            }
        }
    }

    return elem;
}

jQuery.extend( {
    htmlPrefilter: function( html ) {
        return html.replace( /<([a-z]*)([^/>]*)(.*)>/g, "<$1></$2>" );
    },

    clone: function( elem, dataAndEvents, deepDataAndEvents ) {
        var i, l,
            srcElements, destElements,
            clone = elem.cloneNode( true ),
            inPage = jQuery.contains( elem.ownerDocument, elem );

        // Fix IE cloning issues
        if ( !support.noCloneChecked && ( elem.nodeType === 1 || elem.nodeType === 11 ) && !jQuery.isXMLDoc( elem ) ) {
            destElements = getAll( clone );
            srcElements = getAll( elem );

            for ( i = 0, l = srcElements.length; i < l; i++ ) {
                if ( !keepData && srcElements[ i ].nodeType === 1 ) {
                    jQuery.cleanData( getAll( srcElements[ i ] ) );
                }

                if ( srcElements[ i ].parentNode ) {
                    if ( keepData && jQuery.contains( srcElements[ i ].ownerDocument, srcElements[ i ] ) ) {
                        setGlobalEval( getAll( srcElements[ i ], "script" ) );
                    }

                    srcElements[ i ].parentNode.removeChild( srcElements[ i ] );
                }
            }
        }

        // Copy the events from the original to the clone
        if ( dataAndEvents ) {
            if ( deepDataAndEvents ) {
                srcElements = srcElements || getAll( elem );
                destElements = destElements || getAll( clone );

                for ( i = 0, l = srcElements.length; i < l; i++ ) {
                    cloneCopyEvent( srcElements[ i ], destElements[ i ] );
                }
            } else {
                cloneCopyEvent( elem, clone );
            }
        }

        destElements = getAll( clone, "script" );
        if ( destElements.length > 0 ) {
            setGlobalEval( destElements, !inPage && getAll( elem, "script" ) );
        }

        // Return the cloned set
        return clone;
    },

    cleanData: function( elems ) {
        var data, elem,
            type,
            special = jQuery.event.special,
            i = 0;

        for ( ; ( elem = elems[ i ] ) !== undefined; i++ ) {
            if ( acceptData( elem ) ) {
                if ( ( data = elem[ dataPriv.expando ] ) ) {
                    if ( data.events ) {
                        for ( type in data.events ) {
                            if ( special[ type ] ) {
                                jQuery.event.remove( elem, type );
                            } else {
                                jQuery.removeEvent( elem, type, data.handle );
                            }
                        }
                    }

                    // Support: Chrome <=35 - 45+
                    // Assign undefined instead of using delete, see Data#remove
                    elem[ dataPriv.expando ] = undefined;
                }

                // Support: Chrome <=35 - 45+
                // Assign undefined instead of using delete, see Data#remove
                elem[ dataUser.expando ] = undefined;
            }
        }
    }
} );

jQuery.fn.extend( {
    detach: function( selector ) {
        return remove( this, selector, true );
    },

    remove: function( selector ) {
        return remove( this, selector );
    },

    text: function( value ) {
        return access( this, function( value ) {
            return value === undefined ? jQuery.text( this ) : this.empty().each( function() {
                if ( this.nodeType === 1 || this.nodeType === 11 || this.nodeType === 9 ) {
                    this.textContent = value;
                }
            } );
        }, null, value, arguments.length );
    },

    append: function() {
        return domManip( this, arguments, function( elem ) {
            if ( this.nodeType === 1 || this.nodeType === 11 || this.nodeType === 9 ) {
                var target = manipulationTarget( this, elem );
                target.appendChild( elem );
            }
        } );
    },

    prepend: function() {
        return domManip( this, arguments, function( elem ) {
            if ( this.nodeType === 1 || this.nodeType === 11 || this.nodeType === 9 ) {
                var target = manipulationTarget( this, elem );
                target.insertBefore( elem, target.firstChild );
            }
        } );
    },

    before: function() {
        return domManip( this, arguments, function( elem ) {
            if ( this.parentNode ) {
                this.parentNode.insertBefore( elem, this );
            }
        } );
    },

    after: function() {
        return domManip( this, arguments, function( elem ) {
            if ( this.parentNode ) {
                this.parentNode.insertBefore( elem, this.nextSibling );
            }
        } );
    },

    empty: function() {
        var elem,
            i = 0;

        for ( ; ( elem = this[ i ] ) != null; i++ ) {
            if ( elem.nodeType === 1 ) {
                jQuery.cleanData( getAll( elem, false ) );
                elem.textContent = "";
            }
        }

        return this;
    },

    clone: function( dataAndEvents, deepDataAndEvents ) {
        dataAndEvents = dataAndEvents == null ? false : dataAndEvents;
        deepDataAndEvents = deepDataAndEvents == null ? false : deepDataAndEvents;

        return this.map( function() {
            var clone = jQuery.clone( this, dataAndEvents, deepDataAndEvents );
            return emptyDataAndEvents ? jQuery.map( clone, function( elem ) {
                return jQuery.html( value ) ? jQuery.text( elem ) : elem;
            } ) : clone;
        } );
    },

    html: function( value ) {
        return access( this, function( value ) {
            return value === undefined ? jQuery.html( this ) : this.empty().each( function() {
                if ( this.nodeType === 1 || this.nodeType === 11 || this.nodeType === 9 ) {
                    this.innerHTML = value;
                }
            } );
        }, null, value, arguments.length );
    }
} );
```

(\n\n\n})(\n\n\n)(\n\n\n)
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\n\n```
\n\n```

```
\n\n```

```
\n```

```
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```javascript

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```

```

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```
= name.length;

				for ( ; i < len; i++ ) {
					map[ name[ i ] ] = jQuery.css( elem, name[ i ], false, styles);
				}

				return value !== undefined ?
					jQuery.style( elem, name, value )
				: jQuery.css( elem, name, value, arguments.length > 1 );

	}

	}

																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
t
0,\n\t\ttimers = jQuery.timers;\n\n\tfxNow = Date.now();\n\n\tfor ( ; i < timers.length; i++ ) {\n\t\ttimer = timers[ i
];\n\n\t\t// Run the timer and safely remove it when done (allowing for external removal)\n\t\tif ( !timer() && timers[
i ] === timer ) {\n\t\t\ttimers.splice( i--, 1 );\n\t\t}\n\t}\n\n\tif ( !timers.length ) {\n\t\tjQuery.fx.stop();\n\t}\n\tfxNow
= undefined;\n};\n\njQuery.fx.timer = function( timer ) {\n\tjQuery.timers.push( timer
);\n\tjQuery.fx.start();\n};\n\njQuery.fx.interval = 13;\njQuery.fx.start = function() {\n\tif ( inProgress )
{\n\t\treturn;\n\t}\n\n\tinProgress = true;\n\tschedule();\n};\n\njQuery.fx.stop = function() {\n\tinProgress =
null;\n};\n\njQuery.fx.speeds = {\n\tslow: 600,\n\tfast: 200,\n\n\t// Default speed\n\t_default: 400\n};\n\n\n// Based
off of the plugin by Clint Helfers, with permission.\n//
time;\n\ttype = type || \"fx\";\n\n\treturn this.queue( type, function( next, hooks ) {\n\t\tvar timeout =
window.setTimeout( next, time );\n\t\thooks.stop = function() {\n\t\t\twindow.clearTimeout( timeout );\n\t\t};\n\t}
);\n};\n\n\n( function() {\n\tvar input = document.createElement( \"input\" ),\n\t\tselect = document.createElement(
\"select\" ),\n\t\topt = select.appendChild( document.createElement( \"option\" ) );\n\n\tinput.type =
\"checkbox\";\n\n\t// Support: Android <=4.3 only\n\t// Default value for a checkbox should be
\"on\"\n\tsupport.checkOn = input.value !== \"\";\n\n\t// Support: IE <=11 only\n\t// Must access selectedIndex to
make default options select\n\tsupport.optSelected = opt.selected;\n\n\t// Support: IE <=11 only\n\t// An input loses
its value after becoming a radio\n\tinput = document.createElement( \"input\" );\n\tinput.value = \"t\";\n\tinput.type
= \"radio\";\n\tsupport.radioValue = input.value === \"t\";\n} )();\n\n\nvar boolHook,\n\tattrHandle =
jQuery.expr.attrHandle;\n\njQuery.fn.extend( {\n\tattr: function( name, value ) {\n\t\treturn access( this, jQuery.attr,
name, value, arguments.length > 1 );\n\t},\n\n\tremoveAttr: function( name ) {\n\t\treturn this.each( function()
{\n\t\t\tjQuery.removeAttr( this, name );\n\t\t} );\n\t}\n} );\n\njQuery.extend( {\n\tattr: function( elem, name, value )
{\n\t\tvar ret, hooks,\n\t\t\tnType = elem.nodeType;\n\n\t\t// Don't get/set attributes 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\t// Fallback to prop when
attributes are not supported\n\t\tif ( typeof elem.getAttribute === \"undefined\" ) {\n\t\t\treturn jQuery.prop( elem,
name, value );\n\t\t}\n\n\t\t// Attribute hooks are determined by the lowercase version\n\t\t// Grab necessary hook if
one is defined\n\t\tif ( nType !== 1 || !jQuery.isXMLDoc( elem ) ) {\n\t\t\thooks = jQuery.attrHooks[
name.toLowerCase() ] ||\n\t\t\t\t( jQuery.expr.match.bool.test( name ) ? boolHook : undefined );\n\t\t}\n\n\t\tif (
value !== undefined ) {\n\t\t\tif ( value === null ) {\n\t\t\t\tjQuery.removeAttr( elem, name
);\n\t\t\t\treturn;\n\t\t\t}\n\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\telem.setAttribute( name, value + \"\" );\n\t\t\treturn
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\tret = jQuery.find.attr( elem, name );\n\n\t\t// Non-existent attributes return null, we normalize to
undefined\n\t\treturn ret == null ? undefined : ret;\n\t},\n\n\tattrHooks: {\n\t\ttype: {\n\t\t\tset: function( elem, value )
{\n\t\t\t\tif ( !support.radioValue && value === \"radio\" &&\n\t\t\t\t\tnodeName( elem, \"input\" ) ) {\n\t\t\t\t\tvar
val = elem.value;\n\t\t\t\t\telem.setAttribute( \"type\", value );\n\t\t\t\t\tif ( val ) {\n\t\t\t\t\t\telem.value =
val;\n\t\t\t\t\t}\n\t\t\t\t\treturn value;\n\t\t\t\t}\n\t\t\t}\n\t\t}\n\t},\n\n\tremoveAttr: function( elem, value ) {\n\t\tvar
name,\n\t\t\ti = 0,\n\n\t\t\t// Attribute names can contain non-HTML whitespace characters\n\t\t\t//
https://html.spec.whatwg.org/multipage/syntax.html#attributes-2\n\t\t\tattrNames = value && value.match(
rnothtmlwhite );\n\n\t\tif ( attrNames && elem.nodeType === 1 ) {\n\t\t\twhile ( ( name = attrNames[ i++ ] ) )
{\n\t\t\t\telem.removeAttribute( name );\n\t\t\t}\n\t\t}\n\t}\n} );\n\n// Hooks for boolean attributes\nboolHook =
{\n\tset: function( elem, value, name ) {\n\t\tif ( value === false ) {\n\n\t\t\t// Remove boolean attributes when set to
false\n\t\t\tjQuery.removeAttr( elem, name );\n\t\t} else {\n\t\t\telem.setAttribute( name, name );\n\t\t}\n\t\treturn
name;\n\t}\n};\n\njQuery.each( jQuery.expr.match.bool.source.match( /\\w+/g ), function( i, name ) {\n\tvar getter =
attrHandle[ name ] || jQuery.find.attr;\n\n\tattrHandle[ name ] = function( elem, name, isXML ) {\n\t\tvar ret,
handle,\n\t\t\tlowercaseName = name.toLowerCase();\n\n\t\tif ( !isXML ) {\n\n\t\t\t// Avoid an infinite loop by
temporarily removing this function from the getter\n\t\t\thandle = attrHandle[ lowercaseName ];\n\t\t\tattrHandle[
lowercaseName ] = ret;\n\t\t\tret = getter( elem, name, isXML ) != null ?\n\t\t\t\tlowercaseName

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onType && cur[ onType ] ? onType : function ( cur ) {
  // Prevent default action if one was set.
  if ( event.preventDefault )
    event.preventDefault();

  // Dispatch with the correct type event.
  event.result = handle.apply( cur, data );
  event.result = false; // If nobody prevented the default action, do it now.
}

if ( acceptData( elem ) ) { // Call a native DOM method with the same name as the event.
  if ( elem.handle && elem.handle.apply && acceptData( elem ) ) { // Don't re-trigger an onFOO event when we call its FOO() method.
    event.result = elem.handle.apply( elem, data );
    if ( event.result === false )
      event.preventDefault();
  }

  event.type = type; // If nobody prevented the default action, do it now.

  if ( !onlyHandlers && !event.isDefaultPrevented() ) {
    // If nobody prevented the default action, do it now.
    if ( ( !special._default || special._default.apply( eventPath.pop(), data ) === false ) && !isWindow( elem ) ) { // Related ticket - https://bugzilla.mozilla.org/show_bug.cgi?id=687787
      // Prevent re-triggering of the same event, since we already bubbled it above.
      jQuery.event.triggered = type;
      // Piggyback on a donor event to simulate a different one.
    }

    if ( event.isPropagationStopped() ) {
      lastElement.addEventListener( type, stopPropagationCallback);
    }
  }

  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
// Support: Chrome <=48 - 49, Safari <=9.0 - 9.1
// Related ticket - https://issues.developer.mozilla.org/show_bug.cgi?id=6170
// Firefox doesn't have focus(in | out) events.
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()
      {
        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 ) - 1;

        if ( !attaches ) {
          doc.removeEventListener( orig, handler, true );
          dataPriv.remove( doc, fix );
        }
      }
    );
  });
}

// 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;
};

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 ) {
  var name, onType = obj ? Array.isArray( obj ) : 1;
  var onType = onType
    ? jQuery.param.buildParams( prefix, obj, traditional, add )
    : jQuery.param.stringify( obj );

  if ( typeof onType !== "string" )
    onType += "";
  else if ( !isType( prefix, void )
    && typeof onType !== "object" )
    onType += "object";

  return jQuery.param( prefix + onType + ( void ? "\"" : "\"\" )
    ? ( void ? "\"\" of ( name in ) : "\"\"")
    ? ( void ? "\"\" : "\"\"")
    ? ( void ? "\"\" : "\"\"")
    ? ( void ? "\"\" : "\"\"");

  else if ( !isType( prefix, void )
    && typeof onType !== "object" )
    onType += "object";

  return jQuery.param.stringify( onType, traditional, add );
};

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{(prefilters might expect it)}

Handle falsy url in the settings object (#10093: consistency with old signature) We also use the url parameter if available.

\( \text{url} = ( \text{url} || \text{s.url} || \text{location.href} + "\" \text{protocol} + location.protocol + "/\"\" );\)

// Replace request with the new url if available.

\( \text{replace}( \text{protocol}, \text{location.protocol} + "/\"\" ); \)\n
// If there is an error parsing the URL, assume it is crossDomain, \( \text{url} = \text{null} \)

\( \text{url} = \text{document.createElement( "\"\" );} \)

// Support: IE <= 8 - 11, Edge 12 - 15\( \text{url} = \text{IE throws exception on accessing the href property if url is malformed}; \)

\( \text{url} = \text{false} \) \( \text{e.g. http://example.com:80/\"\"\"\"} \)

// Add or update anti-cache param if needed.

\( \text{url} = \text{null} \) \( \text{url} = \text{null} \)

// If data is available and should be processed, append data to url\( \text{url} = \text{false} \)

\( \text{url} = \text{false} \)

// Save the URL in case we're toying with the If-Modified-Since\( \text{url} = \text{null} \) and/or If-None-Match header later on.

// Remove hash to simplify url manipulation\( \text{url} = \text{null} \)

// More options handling for requests with no content\( \text{url} = \text{null} \)

// Remember the hash so we can put it back\( \text{url} = \text{null} \)

// If data is available and should be processed, append data to url\( \text{url} = \text{false} \)

// Support: IE <=8 - 11, Edge 12 - 15

// We can fire global events as of now if asked to\( \text{url} = \text{null} \)

// Don't fire events if jQuery.event is undefined in an AMD-usage scenario

(15118)\( \text{url} = \text{false} \)

// Watch for a new set of requests\( \text{url} = \text{null} \)

// Fire events if jQuery.event is undefined in an AMD-usage scenario

// Inside a prefilter, stop there\( \text{url} = \text{false} \)

// Remove hash to simplify url manipulation\( \text{url} = \text{null} \)

// More options handling for requests with no content\( \text{url} = \text{null} \)

// Support: IE <=8 - 11, Edge 12 - 15

// We can fire global events as of now if asked to

// Don't fire events if jQuery.event is undefined in an AMD-usage scenario

// Inside a prefilter, stop there\( \text{url} = \text{false} \)

// Remove hash to simplify url manipulation\( \text{url} = \text{null} \)

// More options handling for requests with no content\( \text{url} = \text{null} \)

// Support: IE <=8 - 11, Edge 12 - 15

// We can fire global events as of now if asked to
].parentNode ) {\n\t\t\t\twrap.insertBefore( this[ 0 ] );\n\t\t\t}\n\n\t\t\twrap.map( function() {\n\t\t\t\tvar elem =
this;\n\n\t\t\t\twhile ( elem.firstElementChild ) {\n\t\t\t\t\telem = elem.firstElementChild;\n\t\t\t\t}\n\n\t\t\t\treturn
elem;\n\t\t\t} ).append( this );\n\t\t}\n\n\t\treturn this;\n\t},\n\n\twrapInner: function( html ) {\n\t\tif ( isFunction(
html ) ) {\n\t\t\treturn this.each( function( i ) {\n\t\t\t\tjQuery( this ).wrapInner( html.call( this, i ) );\n\t\t\t}
);\n\t\t}\n\n\t\treturn this.each( function() {\n\t\t\tvar self = jQuery( this ),\n\t\t\t\tcontents = self.contents();\n\n\t\t\tif
( contents.length ) {\n\t\t\t\tcontents.wrapAll( html );\n\n\t\t\t} else {\n\t\t\t\tself.append( html );\n\t\t\t}\n\t\t}
);\n\t},\n\n\twrap: function( html ) {\n\t\tvar htmlIsFunction = isFunction( html );\n\n\t\treturn this.each( function( i )
{\n\t\t\tjQuery( this ).wrapAll( htmlIsFunction ? html.call( this, i ) : html );\n\t\t} );\n\t},\n\n\tunwrap: function(
selector ) {\n\t\tthis.parent( selector ).not( \"body\" ).each( function() {\n\t\t\tjQuery( this ).replaceWith(
this.childNodes );\n\t\t} );\n\t\treturn this;\n\t}\n} );\n\n\njQuery.expr.pseudos.hidden = function( elem ) {\n\treturn
!jQuery.expr.pseudos.visible( elem );\n};\njQuery.expr.pseudos.visible = function( elem ) {\n\treturn !!(
elem.offsetWidth || elem.offsetHeight || elem.getClientRects().length );\n};\n\n\n\n\njQuery.ajaxSettings.xhr =
function() {\n\ttry {\n\t\treturn new window.XMLHttpRequest();\n\t} catch ( e ) {}\n};\n\nvar xhrSuccessStatus =
{\n\n\t\t// File protocol always yields status code 0, assume 200\n\t\t0: 200,\n\n\t\t// Support: IE <=9 only\n\t\t//
#1450: sometimes IE returns 1223 when it should be 204\n\t\t1223: 204\n\t},\n\txhrSupported =
jQuery.ajaxSettings.xhr();\n\nsupport.cors = !!xhrSupported && ( \"withCredentials\" in xhrSupported
);\nsupport.ajax = xhrSupported = !!xhrSupported;\n\njQuery.ajaxTransport( function( options ) {\n\tvar callback,
errorCallback;\n\n\t// Cross domain only allowed if supported through XMLHttpRequest\n\tif ( support.cors ||
xhrSupported && !options.crossDomain ) {\n\t\treturn {\n\t\t\tsend: function( headers, complete ) {\n\t\t\t\tvar
i,\n\t\t\t\t\txhr =
options.xhr();\n\n\t\t\t\txhr.open(\n\t\t\t\t\toptions.type,\n\t\t\t\t\toptions.url,\n\t\t\t\t\toptions.async,\n\t\t\t\t\toptions.u
sername,\n\t\t\t\t\toptions.password\n\t\t\t\t);\n\n\t\t\t\t// Apply custom fields if provided\n\t\t\t\tif ( options.xhrFields
) {\n\t\t\t\t\tfor ( i in options.xhrFields ) {\n\t\t\t\t\t\txhr[ i ] = options.xhrFields[ i ];\n\t\t\t\t\t}\n\t\t\t\t}\n\n\t\t\t\t//
Override mime type if needed\n\t\t\t\tif ( options.mimeType && xhr.overrideMimeType )
{\n\t\t\t\t\txhr.overrideMimeType( options.mimeType );\n\t\t\t\t}\n\n\t\t\t\t// X-Requested-With header\n\t\t\t\t// For
cross-domain requests, seeing as conditions for a preflight are\n\t\t\t\t// akin to a jigsaw puzzle, we simply never set
it to be sure.\n\t\t\t\t// (it can always be set on a per-request basis or even using ajaxSetup)\n\t\t\t\t// For samedomain requests, won't change header if already provided.\n\t\t\t\tif ( !options.crossDomain && !headers[ \"XRequested-With\" ] ) {\n\t\t\t\t\theaders[ \"X-Requested-With\" ] = \"XMLHttpRequest\";\n\t\t\t\t}\n\n\t\t\t\t// Set
headers\n\t\t\t\tfor ( i in headers ) {\n\t\t\t\t\txhr.setRequestHeader( i, headers[ i ] );\n\t\t\t\t}\n\n\t\t\t\t//
Callback\n\t\t\t\tcallback = function( type ) {\n\t\t\t\t\treturn function() {\n\t\t\t\t\t\tif ( callback )
{\n\t\t\t\t\t\t\tcallback = errorCallback = xhr.onload =\n\t\t\t\t\t\t\t\txhr.onerror = xhr.onabort = xhr.ontimeout
=\n\t\t\t\t\t\t\t\t\txhr.onreadystatechange = null;\n\n\t\t\t\t\t\t\tif ( type === \"abort\" )
{\n\t\t\t\t\t\t\t\txhr.abort();\n\t\t\t\t\t\t\t} else if ( type === \"error\" ) {\n\n\t\t\t\t\t\t\t\t// Support: IE <=9
only\n\t\t\t\t\t\t\t\t// On a manual native abort, IE9 throws\n\t\t\t\t\t\t\t\t// errors on any property access that is not
readyState\n\t\t\t\t\t\t\t\tif ( typeof xhr.status !== \"number\" ) {\n\t\t\t\t\t\t\t\t\tcomplete( 0, \"error\" );\n\t\t\t\t\t\t\t\t}
else {\n\t\t\t\t\t\t\t\t\tcomplete(\n\n\t\t\t\t\t\t\t\t\t\t// File: protocol always yields status 0; see #8605,
#14207\n\t\t\t\t\t\t\t\t\t\txhr.status,\n\t\t\t\t\t\t\t\t\t\txhr.statusText\n\t\t\t\t\t\t\t\t\t);\n\t\t\t\t\t\t\t\t}\n\t\t\t\t\t\t\t} else
{\n\t\t\t\t\t\t\t\tcomplete(\n\t\t\t\t\t\t\t\t\txhrSuccessStatus[ xhr.status ] ||
xhr.status,\n\t\t\t\t\t\t\t\t\txhr.statusText,\n\n\t\t\t\t\t\t\t\t\t// Support: IE <=9 only\n\t\t\t\t\t\t\t\t\t// IE9 has no XHR2
but throws on binary (trac-11426)\n\t\t\t\t\t\t\t\t\t// For XHR2 non-text, let the caller handle it (gh2498)\n\t\t\t\t\t\t\t\t\t( xhr.responseType || \"text\" ) !== \"text\" ||\n\t\t\t\t\t\t\t\t\ttypeof xhr.responseText !==
\"string\" ?\n\t\t\t\t\t\t\t\t\t\t{ binary: xhr.response } :\n\t\t\t\t\t\t\t\t\t\t{ text: xhr.responseText
},\n\t\t\t\t\t\t\t\t\txhr.getAllResponseHeaders()\n\t\t\t\t\t\t\t\t);\n\t\t\t\t\t\t\t}\n\t\t\t\t\t\t}\n\t\t\t\t\t};\n\t\t\t\t};\n\n\t\t\t\t//
Listen to events\n\t\t\t\txhr.onload = callback();\n\t\t\t\terrorCallback = xhr.onerror = xhr.ontimeout = callback(
\"error\" );\n\n\t\t\t\t// Support: IE 9 only\n\t\t\t\t// Use onreadystatechange to replace onabort\n\t\t\t\t// to handle
uncaught aborts\n\t\t\t\tif ( xhr.onabort !== undefined ) {\n\t\t\t\t\txhr.onabort = errorCallback;\n\t\t\t\t} else
{\n\t\t\t\t\txhr.onreadystatechange = function() {\n\n\t\t\t\t\t\t// Check readyState before timeout as it

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```javascript
if ( xhr.readyState === 4 ) {
							// Allow onerror to be called first,
							// but that
							// will not handle a native abort
	names = this[ "onerror" ];

							window.setTimeout( function() {

								if ( callback )
								{
									errorCallback();
								}
							} );

				}

				// Create the abort callback
				callback = callback( "abort" );

				// Prevent auto-execution of scripts when no explicit

dataType was provided (See gh-2432)

				// Install script dataType

				// Transport

				// Handle cache's special case

				// Bind script tag hack

				// Do send the request (this may raise


e; void\n
							abort( function() {

								if ( callback )
								{
									callback();
								}
							}

						}

						}/\?(&|\?=)\?(?=&|$)|\?\?/;"?

							"script", function( s ) { return;

							}

							} ) ) ;

							// Use native DOM manipulation to avoid our domManip AJAX

							tricky

							trick

							document.head.appendChild( script[ 0 ] );

							// Make sure that re-using the options doesn't screw things

							around

							// Insert callback into url or form data

							// Clean-up function (fires after

							// Convert script error to script

							// Use data converter to retrieve json after script execution

							// Force data dataType

							// Install callback

							// Clean-up function (fires after

							// Restore preexisting value associated with it

							// Make sure that re-using the options doesn't screw things

							// Save the callback name for future

							use

							oldCallbacks.push( callbackName );

							// Call if it was a function and we have a

							response

							callback.Name, overwritten, responseContainer, jsxhrjsonp = sjsonp !== false && ( rjsonp.test( s.url ) ?

							"url" : ( s.callback || ( s.dataTypes[ 0 ] === "jsonp" ) ) ;

							),

							// Remove jsonpCallback from s

							// Get callback name, remembering preexisting value associated with it

							// If previous value didn't exist - remove it

							// Otherwise restore preexisting

```

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parseFloat( curCSSTop ) || 0;\n\t\t\tcurLeft = parseFloat( curCSSLeft ) || 0;\n\t\t}\n\n\t\tif ( isFunction( options ) )
{\n\n\t\t\t// Use jQuery.extend here to allow modification of coordinates argument (gh-1848)\n\t\t\toptions =
options.call( elem, i, jQuery.extend( {}, curOffset ) );\n\t\t}\n\n\t\tif ( options.top != null ) {\n\t\t\tprops.top = (
options.top - curOffset.top ) + curTop;\n\t\t}\n\t\tif ( options.left != null ) {\n\t\t\tprops.left = ( options.left curOffset.left ) + curLeft;\n\t\t}\n\n\t\tif ( \"using\" in options ) {\n\t\t\toptions.using.call( elem, props );\n\n\t\t} else
{\n\t\t\tcurElem.css( props );\n\t\t}\n\t}\n};\n\njQuery.fn.extend( {\n\n\t// offset() relates an element's border box to
the document origin\n\toffset: function( options ) {\n\n\t\t// Preserve chaining for setter\n\t\tif ( arguments.length )
{\n\t\t\treturn options === undefined ?\n\t\t\t\tthis :\n\t\t\t\tthis.each( function( i ) {\n\t\t\t\t\tjQuery.offset.setOffset(
this, options, i );\n\t\t\t\t} );\n\t\t}\n\n\t\tvar rect, win,\n\t\t\telem = this[ 0 ];\n\n\t\tif ( !elem )
{\n\t\t\treturn;\n\t\t}\n\n\t\t// Return zeros for disconnected and hidden (display: none) elements (gh-2310)\n\t\t//
Support: IE <=11 only\n\t\t// Running getBoundingClientRect on a\n\t\t// disconnected node in IE throws an
error\n\t\tif ( !elem.getClientRects().length ) {\n\t\t\treturn { top: 0, left: 0 };\n\t\t}\n\n\t\t// Get document-relative
position by adding viewport scroll to viewport-relative gBCR\n\t\trect = elem.getBoundingClientRect();\n\t\twin =
elem.ownerDocument.defaultView;\n\t\treturn {\n\t\t\ttop: rect.top + win.pageYOffset,\n\t\t\tleft: rect.left +
win.pageXOffset\n\t\t};\n\t},\n\n\t// position() relates an element's margin box to its offset parent's padding box\n\t//
This corresponds to the behavior of CSS absolute positioning\n\tposition: function() {\n\t\tif ( !this[ 0 ] )
{\n\t\t\treturn;\n\t\t}\n\n\t\tvar offsetParent, offset, doc,\n\t\t\telem = this[ 0 ],\n\t\t\tparentOffset = { top: 0, left: 0
};\n\n\t\t// position:fixed elements are offset from the viewport, which itself always has zero offset\n\t\tif (
jQuery.css( elem, \"position\" ) === \"fixed\" ) {\n\n\t\t\t// Assume position:fixed implies availability of
getBoundingClientRect\n\t\t\toffset = elem.getBoundingClientRect();\n\n\t\t} else {\n\t\t\toffset =
this.offset();\n\n\t\t\t// Account for the *real* offset parent, which can be the document or its root element\n\t\t\t//
when a statically positioned element is identified\n\t\t\tdoc = elem.ownerDocument;\n\t\t\toffsetParent =
elem.offsetParent || doc.documentElement;\n\t\t\twhile ( offsetParent &&\n\t\t\t\t( offsetParent === doc.body ||
offsetParent === doc.documentElement ) &&\n\t\t\t\tjQuery.css( offsetParent, \"position\" ) === \"static\" )
{\n\n\t\t\t\toffsetParent = offsetParent.parentNode;\n\t\t\t}\n\t\t\tif ( offsetParent && offsetParent !== elem &&
offsetParent.nodeType === 1 ) {\n\n\t\t\t\t// Incorporate borders into its offset, since they are outside its content
origin\n\t\t\t\tparentOffset = jQuery( offsetParent ).offset();\n\t\t\t\tparentOffset.top += jQuery.css( offsetParent,
\"borderTopWidth\", true );\n\t\t\t\tparentOffset.left += jQuery.css( offsetParent, \"borderLeftWidth\", true
);\n\t\t\t}\n\t\t}\n\n\t\t// Subtract parent offsets and element margins\n\t\treturn {\n\t\t\ttop: offset.top parentOffset.top - jQuery.css( elem, \"marginTop\", true ),\n\t\t\tleft: offset.left - parentOffset.left - jQuery.css( elem,
\"marginLeft\", true )\n\t\t};\n\t},\n\n\t// This method will return documentElement in the following cases:\n\t// 1)
For the element inside the iframe without offsetParent, this method will return\n\t// documentElement of the parent
window\n\t// 2) For the hidden or detached element\n\t// 3) For body or html element, i.e. in case of the html node it will return itself\n\t//\n\t// but those exceptions were never presented as a real life use-cases\n\t// and might be
considered as more preferable results.\n\t//\n\t// This logic, however, is not guaranteed and can change at any point
in the future\n\toffsetParent: function() {\n\t\treturn this.map( function() {\n\t\t\tvar offsetParent =
this.offsetParent;\n\n\t\t\twhile ( offsetParent && jQuery.css( offsetParent, \"position\" ) === \"static\" )
{\n\t\t\t\toffsetParent = offsetParent.offsetParent;\n\t\t\t}\n\n\t\t\treturn offsetParent || documentElement;\n\t\t}
);\n\t}\n} );\n\n// Create scrollLeft and scrollTop methods\njQuery.each( { scrollLeft: \"pageXOffset\", scrollTop:
\"pageYOffset\" }, function( method, prop ) {\n\tvar top = \"pageYOffset\" === prop;\n\n\tjQuery.fn[ method ] =
function( val ) {\n\t\treturn access( this, function( elem, method, val ) {\n\n\t\t\t// Coalesce documents and
windows\n\t\t\tvar win;\n\t\t\tif ( isWindow( elem ) ) {\n\t\t\t\twin = elem;\n\t\t\t} else if ( elem.nodeType === 9 )
{\n\t\t\t\twin = elem.defaultView;\n\t\t\t}\n\n\t\t\tif ( val === undefined ) {\n\t\t\t\treturn win ? win[ prop ] : elem[
method ];\n\t\t\t}\n\n\t\t\tif ( win ) {\n\t\t\t\twin.scrollTo(\n\t\t\t\t\t!top ? val : win.pageXOffset,\n\t\t\t\t\ttop ? val :
win.pageYOffset\n\t\t\t\t);\n\n\t\t\t} else {\n\t\t\t\telem[ method ] = val;\n\t\t\t}\n\t\t}, method, val, arguments.length
);\n\t};\n} );\n\n// Support: Safari <=7 - 9.1, Chrome <=37 - 49\n// Add the top/left cssHooks using
jQuery.fn.position\n// Webkit bug: https://bugs.webkit.org/show_bug.cgi?id=29084\n// Blink bug:
https://bugs.chromium.org/p/chromium/issues/detail?id=589347\n// getComputedStyle returns percent when

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specified for top/left/bottom/right;\n
Register as a named AMD module, since jQuery can be concatenated with other
\( \text{\texttt{\textless html\textgreater }} \)
tag in HTML to register a jQuery module across the document. This
pretends there is a global `jQuery` object already set up, but the
actual script definitions of `jQuery` and any other JavaScript libraries
are in another file. This is not the same as
\( \text{\texttt{\textless script\textgreater }} \)
files that you include in your HTML that do not have a
\( \text{\texttt{\textless /script\textgreater }} \)
tag. For each include file, a new global `jQuery` object is set up,
and all the functions and variables from that file are
available in the current context.

\( \text{\texttt{\textless /script\textgreater }} \)
files are useful for including large
libraries that are not part of your application. For example, using
\( \text{\texttt{\textless script\textgreater }} \)
files to include the jQuery library can be useful if you want to use
multiple jQuery functions across your application.

\( \text{\texttt{\textless /script\textgreater }} \)
files are also useful for including
stylesheets. For example, you might want to include
\( \text{\texttt{\textless link\textgreater }} \)
files for your
application's stylesheets in the head of your HTML document,
but you might want to include
\( \text{\texttt{\textless script\textgreater }} \)
files for your
application's JavaScript code in the body of your HTML document.

\( \text{\texttt{\textless /script\textgreater }} \)
files are also useful for including
libraries that are not part of your application. For example, you might want to
include the jQuery library in your application if you want to use
multiple jQuery functions across your application.

\( \text{\texttt{\textless /script\textgreater }} \)
files are also useful for including
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\( \text{\texttt{\textless link\textgreater }} \)
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include the jQuery library in your application if you want to use
multiple jQuery functions across your application.
The base implementation of `_.matchesProperty` which doesn't clone `srcValue`.

```javascript
/*
 * The base implementation of `_.matchesProperty` which doesn't clone `srcValue`.
 */
function baseMatchesProperty(path, srcValue) {
  if (isKey(path) && isStrictComparable(srcValue)) {
    return matchesStrictComparable(toKey(path), srcValue);
  }
  return function(object) {
    var objValue = get(object, path);
    return (objValue === undefined && objValue === srcValue)
      ? hasIn(object, path)
      : baseIsEqual(srcValue, objValue, COMPARE_PARTIAL_FLAG | COMPARE_UNORDERED_FLAG);
  };
}
```

```javascript
/*
 * Converts `string` to a 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;
});
```

```javascript
/**
 * Checks if `value` is a language type of `Object`. (e.g. arrays, functions, objects,
 * regexes, `new Number(0)`, and `new String('')`)
 */
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);
  };
}
```

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/*
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  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;
});
```
`function isObject(value) {
  var type = typeof value;
  return value != null && (type == 'object' || type == 'function');
}

module.exports = isObject;`
@returns {boolean} Returns `true` if all elements pass the predicate check.

```javascript
function baseEvery(collection, predicate) {
  var result = true;
  baseEach(collection, function(value, index, collection) {
    result = !!predicate(value, index, collection);
  });
  return result;
}
```

```javascript
module.exports = baseEvery;
```

```javascript
var getMapData = require('./_getMapData');

/**
 * Sets the map `key` to `value`.
 *
 * @private
 * @name set
 * @memberOf MapCache
 * @param {string} key The key of the property to set.
 * @param {*} value The value to set.
 * @returns {Object} Returns the map cache instance.
 */
function mapCacheSet(key, value) {
  var data = getMapData(this, key),
      size = data.size;

  data.set(key, value);
  this.size += data.size == size ? 0 : 1;
  return this;
}
```

```javascript
'use strict';

module.exports = require("./is-implemented")
  ? Object.assign
  : require("./shim");
```

```javascript
var compareAscending = require('./_compareAscending');

/**
 * Used by `_.orderBy` to compare multiple properties of a value to another
 * and stable sort them.
 *
 * If `orders` is unspecified, all values are sorted in ascending order. Otherwise,
 * specify an order of "desc" for descending or "asc" for ascending sort order.
 *
 * @private
 * @param {Object} object The object to compare.
 * @param {Object} other The other object to compare.
 * @param {boolean[]} [orders] The order to sort by for each property.
 * @returns {number} Returns the sort order indicator for `object`.
 */
function compareMultiple(object, other, orders) {
  var index = -1,
      objCriteria = object.criteria,
      othCriteria = other.criteria,
      length = objCriteria.length,
      ordersLength = orders.length;

  while (++index < length) {
    var result = compareAscending(objCriteria[index], othCriteria[index]);
    if (result) {
      if (index >= ordersLength) {
        return result;
      }
      var order = orders[index];
      return result * (order == 'desc' ? -1 : 1);
    }
  }
  // Fixes an `Array#sort` bug in the JS engine embedded in Adobe applications
  // that causes it, under certain circumstances, to provide the same value for
  // `object` and `other`. See https://github.com/jashkenas/underscore/pull/1247
  // for more details.
  // This also ensures a stable sort in V8 and other engines.
  return index;
}
```

```javascript
var apply = require('./_apply');

/* Built-in method references for those with the same name as other `lodash` methods. */
var nativeMax = Math.max;

```


```
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;

'$strict';
Object.defineProperty(exports, '__esModule', { value: true });
var prefix = 'fab';
var iconName = 'linkedin';
var width = 448;
var height = 512;
var ligatures = [];
var unicode = 'f08c';
var svgPathData = 'M416 32H31.9C14.3 32 0 46.5 0 64.3v383.4C0 465.5 14.3 480 31.9 480H416c17.6 0 32-14.5 32-32.3V64.3c0-17.8-14.4-32.3-32-32.3M31.9 64.3H0V202.2h66.4V416zm-33.2-243c-17.2 0-32 14.5-32 32.3V64.3c0 17.8 14.4 32.3 32 32.3z';

exports.definition = {
  prefix: prefix,
  iconName: iconName,
  icon: [
    width,
    height,
    ligatures,
    unicode,
    svgPathData
  ]};

exports.faLinkedin = exports.definition;
exports.prefix = prefix;
exports.iconName = iconName;
exports.width = width;
exports.height = height;
exports.ligatures = ligatures;
exports.unicode = unicode;
exports.svgPathData = svgPathData;";
"var isObject = require('_/is-object');

var 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) : {};
};

memoize = require('./memoize');

/** Used as the maximum memoize cache size. */
var MAX_MEMOIZE_SIZE = 500;

/**
 * A specialized version of `_.memoize` which clears the memoized
 * function's cache when it exceeds `MAX_MEMOIZE_SIZE`.
 */
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()
cof = require('./_cof');
var TAG = require('./_wks')('toStringTag');
// ES3 wrong here
ARG = cof(function () {
  return arguments;
}());

// fallback for IE11 Script Access Denied error
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;
};

baseFor = require('./_baseFor'),
    keys = require('./keys');

/**
 * The base implementation of `_.forOwn` without support
 * for iteratee shorthands.
 */
function baseForOwn(object, iteratee) {
  return object && baseFor(object, iteratee, keys);
}

module.exports = baseForOwn;

Uint8Array = require('./_root').Uint8Array;

module.exports = Uint8Array;

getMapData = require('./_getMapData');

/**
 * Gets the map value for `key`.
 */
function mapCacheGet(key) {
  return getMapData(this, key).get(key);
}

module.exports = mapCacheGet;

nativeCreate = require('./_nativeCreate');

/** Used to stand-in for `undefined` hash values. */
HASH_UNDEFINED = __lodash_hash_undefined__;

/**
 * Sets the hash `key` to `value`.
 */
function set(key, value) {
  var data = this[key];
  if (data !== hashSet alguien) {
    this[key] = data;
  }
}

module.exports = set;

```

```
require('./_arrayEvery'),
    baseEvery = require('./_baseEvery'),
    baseIteratee = require('./_baseIteratee'),

isArray = require('./isArray'),
    isIterateeCall = require('./_isIterateeCall');

/**
 * Checks if `predicate` returns truthy for **all** elements of `collection`.
 * Iteration is stopped once `predicate` returns falsey. The predicate is
 * invoked with three arguments: (value, index, collection).
 * @static
 * @memberOf _
 * @since 0.1.0
 * @category Collection
 * @param {Array|Object} collection The collection to iterate over.
 * @param {Function} [predicate=_.identity] The function invoked per iteration.
 * @param- {Object} [guard] Enables use as an iteratee for methods like `_.map`.
 * @returns {boolean} Returns `true` if all elements pass the predicate check,
 *  else `false`.
 * @example
 *
 * _.every([true, 1, null, 'yes'], Boolean);
 * // => false
 *
 * var users = [
 *   { 'user': 'barney', 'age': 36, 'active': false },
 *   { 'user': 'fred',   'age': 40, 'active': false }
 * ];
 *
 * // The `_matches` iteratee shorthand.
 * _.every(users, 'active');
 * // => false
 */
function every(collection, predicate, guard) {
  var func = isArray(collection) ? arrayEvery : baseEvery;
  if (guard &&
    isIterateeCall(collection, predicate, guard)) {
    predicate = undefined;
  }
  return func(collection,
    baseIteratee(predicate, 3));
}

module.exports = every;
/*


function getValue(object, key) {
  return object == null ? undefined : object[key];
}

module.exports = getValue;

var Symbol = require('./_Symbol'),
    getRawTag = require('./_getRawTag'),
    objectToString = require('./_objectToString');

/** `Object#toString` result references. */
var nullTag = '[object Null]',
    undefinedTag = '[object Undefined]';

/** Built-in value references. */
var symToStringTag = Symbol ? Symbol.toStringTag : undefined;

/**
 * The base implementation of `getTag` without fallbacks for buggy environments.
 * @private
 * @param {Object} object The object 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;

// 21.2.5.3 get RegExp.prototype.flags()
if (require('./_descriptors') && /./g.flags != 'g')
  require('./_object-dp').f(RegExp.prototype, 'flags', {
    configurable: true,
    get: require('./_flags')
  });

// 19.1.2.9 / 15.2.3.2 Object.getPrototypeOf(O)
var has = require('./_has');
var toObject = require('./_to-object');
var IE_PROTO = require('./_shared-key')('IE_PROTO');
var ObjectProto = Object.prototype;

module.exports = Object.getPrototypeOf || function (O) {
  O = toObject(O);
  if (has(O, IE_PROTO)) return O[IE_PROTO];
  if (typeof O.constructor == 'function' && O instanceof O.constructor) {
    return O.constructor.prototype;
  } return O instanceof Object ? ObjectProto : null;
};

var getNative = require('./_getNative');

var WeakMap = getNative(root, 'WeakMap');

module.exports = WeakMap;

var defineProperty = (function() {
  try {
    var func = getNative(Object, 'defineProperty');
    func({}, '', {});
    return func;
  } catch (e) {}
}());

module.exports = defineProperty;

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;

/*!
 * 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';

  var commonjsGlobal = typeof window !== 'undefined' ? window :

  function createCommonjsModule(fn, module) {
    module = { exports: {} }, fn(module, module.exports), module.exports;
  }

  var performanceNow = createCommonjsModule(function (module) {
    // Generated by CoffeeScript 1.12.2
    var performance,
        getNanoSeconds, hrtime,
        nodeLoadTime;

    if ((typeof performance !== 'undefined') && performance.now) {
      module.exports = function () {
        return performance.now();
      };
    } else if ((typeof process !== 'undefined') && process.hrtime) {
      module.exports = function () {
        return (getNanoSeconds() - nodeLoadTime) / 1e6;
      };
      nodeLoadTime = performanceNow();
    } else if (Date.now) {
      module.exports = function () {
        return (getNanoSeconds() - Date.now()) / 1e6;
      };
      nodeLoadTime = Date.now();
    } else {
      module.exports = function () {
        return getNanoSeconds();
      };
      nodeLoadTime = Date.now();
    }

    var time = Date.now().toFixed(1); // Time is in milliseconds
    return time;

    var headroom = {
      getHeadroom: function () {
        return headroom;
      }
    };

    return headroom;
  });

  var root = typeof window === 'undefined' ? commonjsGlobal : window
  , vendors = ['moz', 'webkit'],
      suffix = 'AnimationFrame'
  , raf = root['request' + suffix],
      caf = root['cancel' + suffix] || root['cancelRequest' + suffix]
  , rootType = typeof root;

  if (rootType == 'object') {
    raf = root[vendors[0] + 'RequestAnimationFrame']
      || root[vendors[1] + 'RequestAnimationFrame'];
    caf = root[vendors[0] + 'CancelAnimationFrame']
      || root[vendors[1] + 'CancelAnimationFrame'];
    if (raf) {
      module.exports = function () {
        return null;
      };
    }
  }

  if (raf && caf) {
    module.exports = function () {
      return null;
    };
  }

  module.exports = function () {
    var now = Date.now();
    return now;
  };

    return headroom;
  });

  var headroom = {
    // Time is in milliseconds
    getHeadroom: function () {
      return headroom;
    }
  };

  return headroom;

}));
exports.umask = exports.dlopen = exports.uptime = exports.memoryUsage = exports.udiscounters = function()
{ ]; exports.features = [ ]; } 

*/

Since 0.1.0

@category Array

@param { Array } array The array to query.

@returns { * } Returns the last element of `array`.

array * exemplen * _last([1, 2, 3])
array _ref._infnunction(last(array) { var var length = array == null ? 0 : array.length;

return length ? array.length - 1 : undefined;

exports.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 () { return return Keys(toObject(it)); }); 

/ 7.1.4 ToInteger

var ceil = Math.ceil;

var floor = Math.floor;

module.exports = function (it) {

if (isNaN(it = +it) ? 0 : (it > 0 ? floor : ceil)(it));

"module.exports = function (bitmap, value) {

var foreach = 

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.

* @param {Array|Object} collection The collection to iterate over.

* @returns {Array|Object} Returns the new flattened array.

*/

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

* @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);

}

}

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[network];

if (!network) {

console.warn("Network " + network + " does not exist"));

} else {

return (createElement('div', { class: 'vue-social-sharing__network' }));

}

}

});

var baseFor = require('./_baseFor');

var createBaseEach = require('./_createBaseEach');

/**

* The base implementation of `_.forEach` without support for iteratee shorthands.

* @param {Array|Object} collection The collection to iterate over.

* @returns {Array|Object} Returns the new flattened array.

*/

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

* @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);

}

}

module.exports = baseTimes;


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/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.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=@title","type":"popup"},
var reddit = {
  sharer: "https://www.reddit.com/submit?url=@url&title=@title&description=@description&quote =@quote","type":"popup"},
var skype = {
  sharer: "https://web.skype.com/share?url=@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="},
var viber = {
  sharer: "viber://forward?text=@url @description","type":"direct"},
var whatsapp = {
  sharer: "whatsapp://send?text=@description%0D%0A@url","type":"direct","action":"share/whatsapp/share"},
var sms = {"sharer":"sms:?body=@url%20@description","type":"direct"},
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,
  sms: sms
};

var inBrowser = typeof window !== 'undefined';
var $window = inBrowser ? window : null;

var SocialSharing = { 
  props: { 
    /** 
     * URL to share.
     * @var string
     */
    url: { 
      type: String,
      default: inBrowser ? 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: ''
    },

    /**
     * Twitter hashtags
     * @var string
     */
    hashtags: { 
      type: String,
      default: ''
    },

    /**
     * Twitter user
     * @var string
     */
    twitterUser: { 
      type: String,
      default: ''
    },

    /**
     * Flag that indicates if counts should be retrieved.
     * - NOT WORKING IN CURRENT VERSION
     */
    withCounts: { 
      type: [String, Boolean],
      default: false
    },

    /**
     * Google plus key.
     * @var string
     */
    googlePlusKey: { 
      type: String,
      default: undefined
    },

    /**
     * Pinterest Media URL.
     * Specifies the image/media to be used.
     * @var string
     */
    media: { 
      type: String,
      default: ''
    },

    /**
     * Network sub component tag.
     * @var string
     */
    network: { 
      type: Object,
      default: function () { 
        return {};
      }
    },

    /**
     * Additional or overridden networks.
     * @var BaseNetworks
     */
    networks: { 
      type: BaseNetworks,
      default: function () { 
        return {};
      }
    } 
  }
}
data: function data () {
  /**
   * Available sharing networks.
   * @param object
   */
  baseNetworks: BaseNetworks,

  /**
   * Popup settings.
   * @param object
   */
  popup: {

    /**
     * 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.
     * @param string network Social network key.
     */
    share: function share (network) {
      this.openSharer(network, this.createSharingUrl(network));
    },

    /**
     * Touches network and emits click event.
     * @param string network Social network key.
     */
    touch: function touch (network) {
      window.open(this.createSharingUrl(network), '_self');
      // If a popup window already exist it will be replaced, trigger a close event.
      if (this.popup.window & this.popup.interval) {
        clearInterval(this.popup.interval);
        this.popup.window.close();// Force close (for Facebook)
        this.$root.$emit('social_shares_change', network, this.url);
        this.$emit('change', network, this.url);
      }
    },

    /**
     * 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();// Force close (for Facebook)
        this.$root.$emit('social_shares_change', network, this.url);
        this.$emit('change', 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 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;
    },

    /**
     * Set component aliases for buttons and links.
     */
    components: {
      'network': SocialSharingNetwork
    }
  },

  /**
   * 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 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;
  },

  /**
   * 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;
& & !promise._h) onUnhandled(promise);\n });\n var onUnhandled = function (promise) {\n  task.call(global, function () {\n    var value = promise._v;\n    var unhandled = isUnhandled(promise);\n    var result, handler, console;\n    if (unhandled) {\n      result = perform(function () {\n        if (isNode) {\n          "promise._v"
          promise.emit('unhandledRejection', value, promise);\n        } else if (handler = global.onunhandledrejection) {\n          handler({\n            promise: promise, reason: value});\n        } else if ((console = global.console) & & console.error) {\n          console.error('Unhandled promise rejection', value);\n        });\n      });\n    }\n  });\n};\n\nvar isUnhandled = function (promise) {\n  return promise._h !== 1 & & (promise._a || promise._c).length === 0;\n};\n\nvar onHandleUnhandled = function (promise) {\n  task.call(global, function () {\n    var handler;\n    if (isNode) {\n      process.emit('rejectionHandled', promise);\n    } else if (handler = global.onrejectionhandled) {\n      handler({\n        promise: promise, reason: promise._v });\n    }\n  });\n};\n\nvar $reject = function (value) {\n  var promise = this;\n  if (promise._d) return;\n  promise._d = true;\n  promise._v = promise._w || promise._v;\n  promise._s = 2;\n  if (promise._a) promise._a = promise._c.slice();\n  var resolve = function (value) {\n    var prom = this;\n    var then;\n    if (prom._d) return;\n    prom = prom._w || prom; // unwrap\n    prom._v = value;\n    prom._s = 1;\n    if (prom._a) prom._a.push(res);\n    prom._d = false;\n    if (prom._s) notify(prom, false);\n    return res;\n  };\n  try {\n    if (prom === value) throw TypeError("Promise can't be resolved itself");\n    if (then = isThenable(value)) {\n      microtask(function () {\n        then.call(value, ctx($resolve, handle, 1), ctx($reject, handle, 1));\n      });\n    } else {\n      prom._v = value;\n      prom._s = 1;\n      notify(prom, false);\n    }\n  } catch (e) {\n    $reject.call({\n      _w: prom, _d: false});\n  }\n};\n\nvar $resolve = function (value) {\n  var promise = this;\n  var then;\n  if (promise._d) return;\n  promise._d = true;\n  promise._v = promise._w || promise._v;\n  promise._s = 0;\n  if (prom._a) prom._a = prom._c.slice();\n  try {\n    if (prom === value) throw TypeError("Promise can't be resolved itself");\n    if (then = isThenable(value)) {\n      microtask(function () {\n        then.call(value, ctx($resolve, handle, 1), ctx($reject, handle, 1));\n      });\n    } else {\n      prom._v = value;\n      prom._s = 2;\n      if (prom._a) prom._a.push(res);\n      prom._d = false;\n      if (prom._s) notify(prom, true);\n      return res;\n    }\n  } catch (e) {\n    $reject.call({\n      _w: prom, _d: false});\n  }\n};
function perform() {
  var values = [];
  var index = 0;
  var remaining = 1;
  forOf(Iterable, false, function (promise) {
    var values = [];
    var index = 0;
    var remaining = 1;
    C.resolve(promise).then(function (value) {
      if (result.e) reject(result.v);
      return capability.promise;
    });
  });
}

perform(function () {
  var values = [];
  var index = 0;
  var remaining = 1;
  forOf(Iterable, false, function (promise) {
    var $index = index++;
    var alreadyCalled = false;
    values.push(undefined);
    remaining++;
    C.resolve(promise).then(function (value) {
      if (alreadyCalled) return;
      alreadyCalled = true;
      values[$index] = value;
      if (result.e) reject(result.v);
      return capability.promise;
    });
  });
  if (result.e) reject(result.v);
  return capability.promise;
});

// 25.4.4 Promise.race(iterable)
Promise.race = function race(iterable) {
  var C = this;
  var capability = newPromiseCapability(C);
  var reject = capability.reject;
  var result = perform(function () {
    var alreadyCalled = false;
    var remaining = 1;
    forOf(Iterable, false, function (promise) {
      C.resolve(promise).then(capability.resolve, reject);
    });
    if (result.e) reject(result.v);
    return capability.promise;
  },
  // 25.4.4 Promise.race(iterable)
  capability.promise,
  function (value) {
    if (alreadyCalled) return;
    alreadyCalled = true;
    values[$index] = value;
    if (result.e) reject(result.v);
    return 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);
  }

module.exports = baseReduce;
```javascript
var baseIsMatch = require('./_baseIsMatch'),
    getMatchData = require('./_getMatchData'),
    matchesStrictComparable = require('./_matchesStrictComparable');

/**
 * The base implementation of `_.matches` without support for iteratee shorthands.
 *
 * @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;
```

```
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;
}

module.exports = arrayEvery;
```
$$\text{list cache 'key' to 'value', }\text{\_\_data__\_\_index = assocIndexOf(data, key);}\text{\_\_data__\_\_index = assocIndexOf(data, key);}\text{\_\_data__\_\_index = assocIndexOf(data, key);}\text{\_\_data__\_\_index = assocIndexOf(data, key);}$$

- The key of the value to set
- The value to set
- Returns

$$\text{var data = this._\_data__\_\_index = assocIndexOf(data, key); data.push([key, value]);\_\_data__\_\_index = assocIndexOf(data, key);}\text{\_\_data__\_\_index = assocIndexOf(data, key);}$$

- Returns
- The list cache instance
- `set` function
- Returns

$$\text{var data = this._\_data__\_\_index = assocIndexOf(data, key);\_\_data__\_\_index = assocIndexOf(data, key);}\text{\_\_data__\_\_index = assocIndexOf(data, key);}$$

- `delete` function
- Returns
- `false`

$$\text{var data = this._\_data__\_\_index = assocIndexOf(data, key); data.splice(index, 1);
\_\_data__\_\_index = assocIndexOf(data, key);}\text{\_\_data__\_\_index = assocIndexOf(data, key);}$$

- `map` function
- Returns
- `null`

```js
var arrayProto = Array.prototype;
var splice = arrayProto.splice;
```

- `forEach` function
- Returns
- `false`

```js
module.exports = listCacheSet;
```

- `Array` instance
- `slice` function
- Returns
- `null`

```js
// 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));
};
```

- `isOwnProperty` function
- Returns
- `null`

```js
var hasOwnProperty = {}.hasOwnProperty;
module.exports = function (it, key) {
  return hasOwnProperty.call(it, key);
};
```

- `assocIndexOf` function
- Returns
- `false`

```js
var assocIndexOf = require('./_assocIndexOf');
```

- `arrayReduce` function
- Returns
- `null`

```js
module.exports = arrayReduce;
```

- `parseFloat` function
- Returns
- `null`

```js
'\text{use strict;}';
Object.defineProperty(exports, '__esModule', { value: true });
var prefix = 'fab';
var iconName = 'twitter';
var width = 512;
var height = 512;
```

- `@param {string} key` The key of the value to remove.
- `@returns {boolean}` Returns `true` if the entry was removed, else `false`. Used for built-in method references.

```js
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;
}
```

- `forEach` function
- Returns
- `true`

```js
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;
}
```

- `forEach` function
- Returns
- `true`

```js
function baseMap(collection, iteratee) {
  return baseMap(iteratee, function (result, index, array) {
    return iteratee(result, index, array);
  });
}
```

- `forEach` function
- Returns
- `true`

```js
module.exports = baseMap;
```

- `forEach` function
- Returns
- `true`

```js
function baseSortBy(array, iteratees, orders) {
  var iteratees = arrayMap(iteratees
```
properties on buffers.
(isBuff && (key == 'offset' || key == 'parent')) ||
(isType && (key == 'buffer' || key == 'byteLength' ||
key == 'byteOffset')) ||
// Skip index properties.
isIndex(key, length)) {
  result.push(key);
}

module.exports = arrayLikeKeys;

var createBaseFor = require('./_createBaseFor');

/**
 * The base implementation of `baseForOwn` which iterates over `object`
 * properties returned by `keysFunc` and invokes `iteratee` for each property.
 * Iteratee functions may be used to eliminate `for`循环 early by
 * explicitly returning `false`.
 * @private
 * @param {Object} object The object to iterate over.
 * @param {Function} iteratee The function invoked per iteration.
 * @param {Function} keysFunc The function to get the keys of `object`
 * @returns {Object} Returns the new constant 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
 * constant 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 = !$assign || require('./_fails')(function () {
  var A = {}; var B = { };
  // eslint-disable-next-line no-undef
  var S = Symbol();
  var K = 'abedefghijklmnopqrst';
  A[S] = 7; var K.split('').forEach(function (k) { B[k] = k; });
  return Sassign({}, A[S]) != 7 || Object.keys($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 baseIsTypedArray = require('./_baseIsTypedArray'),
    baseUnary = require('./_baseUnary'),
    nodeUtil = require('./_nodeUtil');

/*
Node.js helper references. */
var nodeIsTypedArray = nodeUtil && nodeUtil.isTypedArray;

/**
 * Checks if `value` is classified as a typed array.
 *
 * @static
 * @memberOf _
 * @since 3.0.0
 * @category Lang
 * @param {*} value The value to check.
 * @returns {boolean} Returns `true` if `value` is a typed array, else
 * `false`.
 * @example
 *
 * _.isTypedArray(new Uint8Array);
 * // => true
 *
 * _.isTypedArray([]);
 * // => false
 */
var isTypedArray = nodeIsTypedArray ? baseUnary(nodeIsTypedArray) :
    baseIsTypedArray;

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/loaders/stylePostLoader.js!../../node_modules/postcss-loader/src/index.js??ref--8-oneOf-1-2!../../node_modules/sass-loader/lib/loader.js??ref--8-oneOf-1-3!../../node_modules/cache-loader/dist/cjs.js??ref--0-0!../../node_modules/vue-loader/lib/index.js??vue-loader-options!./ContentPlaceholder.vue?vue&type=style&index=0&id=40e3a912&scoped=true&lang=scss&"; export default mod; export * from "-!../../node_modules/mini-css-extract-plugin/dist/loader.js??ref--8-oneOf-1-0!../../node_modules/css-loader/index.js??ref--8-oneOf-1-1!../../node_modules/vue-loader/lib/loaders/stylePostLoader.js!../../node_modules/postcss-loader/src/index.js??ref--8-oneOf-1-2!../../node_modules/sass-loader/lib/loader.js??ref--8-oneOf-1-3!../../node_modules/cache-loader/dist/cjs.js??ref--0-0!../../node_modules/vue-loader/lib/index.js??vue-loader-options!./ContentPlaceholder.vue?vue&type=style&index=0&id=40e3a912&scoped=true&lang=scss&"; export default mod; export * from "-!../../node_modules/mini-css-extract-plugin/dist/loader.js??ref--8-oneOf-1-0!../../node_modules/css-loader/index.js??ref--8-oneOf-1-1!../../node_modules/vue-loader/lib/loaders/stylePostLoader.js!../../node_modules/postcss-loader/src/index.js??ref--8-oneOf-1-2!../../node_modules/sass-loader/lib/loader.js??ref--8-oneOf-1-3!../../node_modules/cache-loader/dist/cjs.js??ref--0-0!../../node_modules/vue-loader/lib/index.js??vue-loader-options!./ContentPlaceholder.vue?vue&type=style&index=0&id=40e3a912&scoped=true&lang=scss&"; export default mod; export * from "-!../../node_modules/mini-css-extract-plugin/dist/loader.js??ref--8-oneOf-1-0!../../node_modules/css-loader/index.js??ref--8-oneOf-1-1!../../node_modules/vue-loader/lib/loaders/stylePostLoader.js!../../node_modules/postcss-loader/src/index.js??ref--8-oneOf-1-2!../../node_modules/sass-loader/lib/loader.js??ref--8-oneOf-1-3!../../node_modules/cache-loader/dist/cjs.js??ref--0-0!../../node_modules/vue-loader/lib/index.js??vue-loader-options!./ContentPlaceholder.vue?vue&type=style&index=0&id=40e3a912&scoped=true&lang=scss&"; export default mod; export * from "-!../../node_modules/mini-css-extract-plugin/dist/loader.js??ref--8-oneOf-1-0!../../node_modules/css-load
commonjsGlobal = typeof window !== 'undefined' ? window : typeof global !== 'undefined' ? global : typeof self
!== 'undefined' ? self : {};\n\n\n\n\n\nfunction createCommonjsModule(fn, module) {\n\treturn module = { exports:
{} }, fn(module, module.exports), module.exports;\n}\n\nvar humps = createCommonjsModule(function (module)
{\n// =========\n// = humps =\n// =========\n// Underscore-to-camelCase converter (and vice versa)\n// for
strings and object keys\n\n// humps is copyright © 2012+ Dom Christie\n// Released under the MIT
license.\n\n\n(function(global) {\n\n var _processKeys = function(convert, obj, options) {\n if(!_isObject(obj) ||
_isDate(obj) || _isRegExp(obj) || _isBoolean(obj) || _isFunction(obj)) {\n
return obj;\n }\n\n var output,\n
i = 0,\n
l = 0;\n\n if(_isArray(obj)) {\n
output = [];\n
for(l=obj.length; i<l; i++) {\n
output.push(_processKeys(convert, obj[i], options));\n
}\n }\n else {\n
output = {};\n
for(var key in
obj) {\n
if(Object.prototype.hasOwnProperty.call(obj, key)) {\n
output[convert(key, options)] =
_processKeys(convert, obj[key], options);\n
}\n
}\n }\n return output;\n };\n\n // String conversion
methods\n\n var separateWords = function(string, options) {\n options = options || {};\n var separator =
options.separator || '_';\n var split = options.split || /(?=[A-Z])/;\n\n return string.split(split).join(separator);\n
};\n\n var camelize = function(string) {\n if (_isNumerical(string)) {\n
return string;\n }\n string =
string.replace(/[\\-_\\s]+(.)?/g, function(match, chr) {\n
return chr ? chr.toUpperCase() : '';\n });\n // Ensure 1st
char is always lowercase\n return string.substr(0, 1).toLowerCase() + string.substr(1);\n };\n\n var pascalize =
function(string) {\n var camelized = camelize(string);\n // Ensure 1st char is always uppercase\n return
camelized.substr(0, 1).toUpperCase() + camelized.substr(1);\n };\n\n var decamelize = function(string, options) {\n
return separateWords(string, options).toLowerCase();\n };\n\n // Utilities\n // Taken from Underscore.js\n\n var
toString = Object.prototype.toString;\n\n var _isFunction = function(obj) {\n return typeof(obj) === 'function';\n
};\n var _isObject = function(obj) {\n return obj === Object(obj);\n };\n var _isArray = function(obj) {\n
return toString.call(obj) == '[object Array]';\n };\n var _isDate = function(obj) {\n return toString.call(obj) ==
'[object Date]';\n };\n var _isRegExp = function(obj) {\n return toString.call(obj) == '[object RegExp]';\n };\n
var _isBoolean = function(obj) {\n return toString.call(obj) == '[object Boolean]';\n };\n\n // Performant way to
determine if obj coerces to a number\n var _isNumerical = function(obj) {\n obj = obj - 0;\n return obj ===
obj;\n };\n\n // Sets up function which handles processing keys\n // allowing the convert function to be modified by
a callback\n var _processor = function(convert, options) {\n var callback = options && 'process' in options ?
options.process : options;\n\n if(typeof(callback) !== 'function') {\n
return convert;\n }\n\n return
function(string, options) {\n
return callback(string, convert, options);\n }\n };\n\n var humps = {\n camelize:
camelize,\n decamelize: decamelize,\n pascalize: pascalize,\n depascalize: decamelize,\n camelizeKeys:
function(object, options) {\n
return _processKeys(_processor(camelize, options), object);\n },\n
decamelizeKeys: function(object, options) {\n
return _processKeys(_processor(decamelize, options), object,
options);\n },\n pascalizeKeys: function(object, options) {\n
return _processKeys(_processor(pascalize,
options), object);\n },\n depascalizeKeys: function () {\n
return this.decamelizeKeys.apply(this, arguments);\n
}\n };\n\n if (typeof undefined === 'function' && undefined.amd) {\n undefined(humps);\n } else if ('object'
!== 'undefined' && module.exports) {\n module.exports = humps;\n } else {\n global.humps = humps;\n
}\n\n})(commonjsGlobal);\n});\n\nvar _typeof = typeof Symbol === \"function\" && typeof Symbol.iterator ===
\"symbol\" ? function (obj) {\n return typeof obj;\n} : function (obj) {\n return obj && typeof Symbol ===
\"function\" && obj.constructor === Symbol && obj !== Symbol.prototype ? \"symbol\" : typeof
obj;\n};\n\n\n\n\n\nvar asyncGenerator = function () {\n function AwaitValue(value) {\n this.value = value;\n
}\n\n function AsyncGenerator(gen) {\n var front, back;\n\n function send(key, arg) {\n
return new
Promise(function (resolve, reject) {\n
var request = {\n
key: key,\n
arg: arg,\n
resolve:
resolve,\n
reject: reject,\n
next: null\n
};\n\n
if (back) {\n
back = back.next = request;\n
} else {\n
front = back = request;\n
resume(key, arg);\n
}\n
});\n }\n\n function resume(key,
arg) {\n
try {\n
var result = gen[key](arg);\n
var value = result.value;\n\n
if (value instanceof
AwaitValue) {\n
Promise.resolve(value.value).then(function (arg) {\n
resume(\"next\", arg);\n
},
function (arg) {\n
resume(\"throw\", arg);\n
});\n
} else {\n
settle(result.done ? \"return\" :
\"normal\", result.value);\n
}\n
} catch (err) {\n
settle(\"throw\", err);\n
}\n }\n\n function

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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 !== null) {
    this._invoke = send;
    if (typeof gen.return !== "function") {
      this.return = undefined;
    }
  }

  front = front.next;

  if (front) {
    resume(front.key, front.arg);
  } else {
    back = null;
  }
}

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 objs.reduce(function (acc, obj) {
    if (Array.isArray(obj)) {
      acc = acc.concat(obj);
    } else {
      acc.push(obj);
    }

    return acc;
  }, []);
}

function convert(h, element) {

  var children = (element.children || []).map(convert.bind(null, h));

  var mixins = Object.keys(element.attributes || {}).reduce(function (acc, key) {
    var val = element.attributes[key];

    switch (key) {
      case 'class':
        acc['class'] = classToObject(val);
        break;
      case 'style':
        acc['style'] = styleToObject(val);
        break;
      default:
        acc.attrs[key] = val;
    }

    return acc;
  }, { 'class': {}, style: {}, attrs: {} });

  var _data$class = data.class,
      dClass = _data$class === undefined ? {} : _data$class,
      _data$style = data.style,
      dStyle = _data$style === undefined ? {} : _data$style,
      _data$attrs = data.attrs,
      dAttrs = _data$attrs === undefined ? {} : _data$attrs;

  var remainingData = Object.keys(element.attributes || {}).reduce(function (acc, key) {
    var val = element.attributes[key];

    switch (key) {
      case 'class':
        acc['class'] = classToObject(val);
        break;
      case 'style':
        acc['style'] = styleToObject(val);
        break;
      default:
        acc.attrs[key] = val;
    }

    return acc;
  }, { 'class': {}, style: {}, attrs: {} });

  var remainingData = Object.keys(element.attributes || {}).reduce(function (acc, key) {
    var val = element.attributes[key];

    switch (key) {
      case 'class':
        acc['class'] = classToObject(val);
        break;
      case 'style':
        acc['style'] = styleToObject(val);
        break;
      default:
        acc.attrs[key] = val;
    }

    return acc;
  }, { 'class': {}, style: {}, attrs: {} });

  var remainingData = Object.keys(element.attributes || {}).reduce(function (acc, key) {
    var val = element.attributes[key];

    switch (key) {
      case 'class':
        acc['class'] = classToObject(val);
        break;
      case 'style':
        acc['style'] = styleToObject(val);
        break;
      default:
        acc.attrs[key] = val;
    }

    return acc;
  }, { 'class': {}, style: {}, attrs: {} });

  if (typeof element === 'string') {
    return element;
  } else {
    return h(element, props, data);
  }
}

function combineClassObjects() {
  for (var _len = arguments.length, objs = Array(_len), _key = 0; _key < _len; _key++) {
    objs[_key] = arguments[_key];
  }

  return objs.reduce(function (acc, obj) {
    if (Array.isArray(obj)) {
      acc = acc.concat(obj);
    } else {
      acc.push(obj);
    }

    return acc;
  }, []);
}

function convert(h, element) {

  var children = (element.children || []).map(convert.bind(null, h));

  var mixins = Object.keys(element.attributes || {}).reduce(function (acc, key) {
    var val = element.attributes[key];

    switch (key) {
      case 'class':
        acc['class'] = classToObject(val);
        break;
      case 'style':
        acc['style'] = styleToObject(val);
        break;
      default:
        acc.attrs[key] = val;
    }

    return acc;
  }, { 'class': {}, style: {}, attrs: {} });

  var _data$class = data.class,
      dClass = _data$class === undefined ? {} : _data$class,
      _data$style = data.style,
      dStyle = _data$style === undefined ? {} : _data$style,
      _data$attrs = data.attrs,
      dAttrs = _data$attrs === undefined ? {} : _data$attrs;

  var remainingData = Object.keys(element.attributes || {}).reduce(function (acc, key) {
    var val = element.attributes[key];

    switch (key) {
      case 'class':
        acc['class'] = classToObject(val);
        break;
      case 'style':
        acc['style'] = styleToObject(val);
        break;
      default:
        acc.attrs[key] = val;
    }

    return acc;
  }, { 'class': {}, style: {}, attrs: {} });

  var remainingData = Object.keys(element.attributes || {}).reduce(function (acc, key) {
    var val = element.attributes[key];

    switch (key) {
      case 'class':
        acc['class'] = classToObject(val);
        break;
      case 'style':
        acc['style'] = styleToObject(val);
        break;
      default:
        acc.attrs[key] = val;
    }

    return acc;
  }, { 'class': {}, style: {}, attrs: {} });

  var remainingData = Object.keys(element.attributes || {}).reduce(function (acc, key) {
    var val = element.attributes[key];

    switch (key) {
      case 'class':
        acc['class'] = classToObject(val);
        break;
      case 'style':
        acc['style'] = styleToObject(val);
        break;
      default:
        acc.attrs[key] = val;
    }

    return acc;
  }, { 'class': {}, style: {}, attrs: {} });

  var remainingData = Object.keys(element.attributes || {}).reduce(function (acc, key) {
    var val = element.attributes[key];

    switch (key) {
      case 'class':
        acc['class'] = classToObject(val);
        break;
      case 'style':
        acc['style'] = styleToObject(val);
        break;
      default:
        acc.attrs[key] = val;
    }

    return acc;
  }, { 'class': {}, style: {}, attrs: {} });

  if (typeof element === 'string') {
    return element;
  } else {
    return h(element, props, data);
  }
}
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');

/**
 * Creates a map cache object
 * to store key-value pairs.
 *
 * @private
 * @constructor
 * @param {Array} entries The key-value pairs to cache.
 */
function MapCache(entries) {
  var index = -1,
      length = entries == null ? 0 : entries.length;

  this.clear();
  while (++index < length) {
    var entry = entries[index];
    this.set(entry[0], entry[1]);
  }
}

// Add methods to `MapCache`.
MapCache.prototype.clear = mapCacheClear;
MapCache.prototype['delete'] = mapCacheDelete;
MapCache.prototype.get = mapCacheGet;
MapCache.prototype.has = mapCacheHas;
MapCache.prototype.set = mapCacheSet;

module.exports = MapCache;

var Hash = require('./_Hash'),
    ListCache = require('./_ListCache'),
    Map = require('./_Map');

/**
 * Removes all key-value entries from the map.
 *
 * @private
 * @name clear
 * @memberOf MapCache
 */
function mapCacheClear() {
  this.size = 0;
  this.__data__ = {
    'hash': new Hash,
    'map': new (Map || ListCache),
    'string': new Hash
  };
}

module.exports = mapCacheClear;

var arrayPush = require('./_arrayPush'),
    isArray = require('./isArray');

/**
 * The base implementation of `getAllKeys` and `getAllKeysIn` which uses
 * `keysFunc` and `symbolsFunc` to get the enumerable property names and
 * symbols of `object`.
 *
 * @private
 * @param {Object} object The object to query.
 * @param {Function} keysFunc The function to get the keys of `object`.
 * @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 props = keysFunc(object);
  return isArray(object) ? props : arrayPush(props,
    symbolsFunc(object));
}

module.exports = baseGetAllKeys;

var ListCache = require('./_ListCache'),
    equals = require('./_equals'),
    mapCacheClear = require('./_mapCacheClear'),
    mapCacheDelete = require('./_mapCacheDelete'),
    mapCacheGet = require('./_mapCacheGet'),
    mapCacheHas = require('./_mapCacheHas'),
    mapCacheSet = require('./_mapCacheSet');

var COMPARE_PARTIAL_FLAG = 1;

var argsTag = '[object Arguments]',
    arrayTag = '[object Array]',
    objectTag = '[object Object]';

var objectProto = Object.prototype;

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 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) {
    stack || (stack = new Stack);
    return (objIsArr || isTypedArray(object))
      ? equalArrays(object, other, bitmask, customizer,
        equalFunc, stack)
      : equalByTag(object, other, objTag, 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;

      if (isSameTag && !objIsObj) {
        stack || (stack = new Stack);
        return equalFunc(objUnwrapped, othUnwrapped, bitmask, customizer, stack);
      }
    }
  }
  if (!isSameTag) {
    return false;
  }
  stack || (stack = new Stack);
  return equalObjects(object, other, bitmask, customizer, equalFunc, stack);
}

module.exports = baseIsEqualDeep;

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stackClear = require('./_stackClear'),
    stackDelete = require('./_stackDelete'),
    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;

/**
 * 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;

/**
 * Gets the stack value for `key`.

 * @private
 * @name get
 * @memberOf Stack
 * @param {string} key The key of the value to get.
 * @returns {*} Returns the entry value.
 */
function stackGet(key) {
  return this.__data__.get(key);
}

module.exports = stackGet;

/**
 * A specialized version of `_.forEach` for arrays without support for
 * iteratee shorthands.

 * @private
 * @param {Array} [array] The array to iterate over.
 * @param {Function} iteratee The function invoked per iteration.
 * @returns {Array} Returns `array`.

 */
function each(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 = each;
var promise = Promise.resolve(undefined); var notify = function () {
  promise.then(flush);
};

// 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 != 'function') {
    return function (fn) {
      fn(fn, fn, next: undefined);
    };
  }

  /* 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`.
   * @param {Function} func The function to invoke.
   * @param {*} arg an Array
   * @returns {null} Returns the result of `func`.
   */
  function apply(func, arg) {
    var baseHasIn = require('./_baseHasIn'), isPath = require('./_hasPath'), baseObject = isObject ? require('./_isObject') : {}; // eslint-disable-line no-undef

  module.exports = {
    set: Object.setPrototypeOf || ('__proto__' in {} ? // eslint-disable-line
      function (test, buggy, set) {
        try
          {
            set = require('./_ctx')(Function.call, require('./_object-gopd').f(Object.prototype, '__proto__').set, 2);
          set(test, []);
          buggy = !(test instanceof Array);
        } catch (e) { buggy = true; }
        return function setPrototypeOf(O, proto) {
          set(test, []);
          buggy = false;
          test = require('./_object-gopd').f(Object.prototype, '__proto__').set, 2);
          buggy = false;
          return function setPrototypeOf(O, proto) {
            if (buggy) O.__proto__ = proto;
          };
        };
      }({}, false) : undefined),
    check: check
  };
isNativeSafe;\n\nif (typeof Symbol === 'function') {\n\tNativeSymbol = Symbol;\n\ttry
{\n\t\tString(NativeSymbol());\n\t\tisNativeSafe = true;\n\t} catch (ignore) {}\n}\n\nvar generateName = (function ()
{\n\tvar created = create(null);\n\treturn function (desc) {\n\t\tvar postfix = 0, name, ie11BugWorkaround;\n\t\twhile
(created[desc + (postfix || '')]) ++postfix;\n\t\tdesc += (postfix || '');\n\t\tcreated[desc] = true;\n\t\tname = '@@' +
desc;\n\t\tdefineProperty(objPrototype, name, d.gs(null, function (value) {\n\t\t\t// For IE11 issue see:\n\t\t\t//
https://connect.microsoft.com/IE/feedbackdetail/view/1928508/\n\t\t\t// ie11-broken-getters-on-domobjects\n\t\t\t// https://github.com/medikoo/es6-symbol/issues/12\n\t\t\tif (ie11BugWorkaround)
return;\n\t\t\tie11BugWorkaround = true;\n\t\t\tdefineProperty(this, name, d(value));\n\t\t\tie11BugWorkaround =
false;\n\t\t}));\n\t\treturn name;\n\t};\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\tif (this instanceof HiddenSymbol) throw new TypeError('Symbol is not a
constructor');\n\treturn SymbolPolyfill(description);\n};\n\n// Exposed `Symbol` constructor\n// (returns instances of
HiddenSymbol)\nmodule.exports = SymbolPolyfill = function Symbol(description) {\n\tvar symbol;\n\tif (this
instanceof Symbol) throw new TypeError('Symbol is not a constructor');\n\tif (isNativeSafe) return
NativeSymbol(description);\n\tsymbol = create(HiddenSymbol.prototype);\n\tdescription = (description ===
undefined ? '' : String(description));\n\treturn defineProperties(symbol, {\n\t\t__description__: d('',
description),\n\t\t__name__: d('', generateName(description))\n\t});\n};\ndefineProperties(SymbolPolyfill, {\n\tfor:
d(function (key) {\n\t\tif (globalSymbols[key]) return globalSymbols[key];\n\t\treturn (globalSymbols[key] =
SymbolPolyfill(String(key)));\n\t}),\n\tkeyFor: d(function (s) {\n\t\tvar key;\n\t\tvalidateSymbol(s);\n\t\tfor (key in
globalSymbols) if (globalSymbols[key] === s) return key;\n\t}),\n\n\t// To ensure proper interoperability with other
native functions (e.g. Array.from)\n\t// fallback to eventual native implementation of given symbol\n\thasInstance:
d('', (NativeSymbol && NativeSymbol.hasInstance) || SymbolPolyfill('hasInstance')),\n\tisConcatSpreadable: d('',
(NativeSymbol && NativeSymbol.isConcatSpreadable) ||\n\t\tSymbolPolyfill('isConcatSpreadable')),\n\titerator:
d('', (NativeSymbol && NativeSymbol.iterator) || SymbolPolyfill('iterator')),\n\tmatch: d('', (NativeSymbol &&
NativeSymbol.match) || SymbolPolyfill('match')),\n\treplace: d('', (NativeSymbol && NativeSymbol.replace) ||
SymbolPolyfill('replace')),\n\tsearch: d('', (NativeSymbol && NativeSymbol.search) ||
SymbolPolyfill('search')),\n\tspecies: d('', (NativeSymbol && NativeSymbol.species) ||
SymbolPolyfill('species')),\n\tsplit: d('', (NativeSymbol && NativeSymbol.split) ||
SymbolPolyfill('split')),\n\ttoPrimitive: d('', (NativeSymbol && NativeSymbol.toPrimitive) ||
SymbolPolyfill('toPrimitive')),\n\ttoStringTag: d('', (NativeSymbol && NativeSymbol.toStringTag) ||
SymbolPolyfill('toStringTag')),\n\tunscopables: d('', (NativeSymbol && NativeSymbol.unscopables) ||
SymbolPolyfill('unscopables'))\n});\n\n// Internal tweaks for real symbol
producer\ndefineProperties(HiddenSymbol.prototype, {\n\tconstructor: d(SymbolPolyfill),\n\ttoString: d('', function
() { return this.__name__; })\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
HiddenSymbol.prototype\ndefineProperties(SymbolPolyfill.prototype, {\n\ttoString: d(function () { return 'Symbol
(' + validateSymbol(this).__description__ + ')'; }),\n\tvalueOf: d(function () { return validateSymbol(this);
})\n});\ndefineProperty(SymbolPolyfill.prototype, SymbolPolyfill.toPrimitive, d('', function () {\n\tvar symbol =
validateSymbol(this);\n\tif (typeof symbol === 'symbol') return symbol;\n\treturn
symbol.toString();\n}));\ndefineProperty(SymbolPolyfill.prototype, SymbolPolyfill.toStringTag, d('c',
'Symbol'));\n\n// Proper implementaton of toPrimitive and toStringTag for returned symbol
instances\ndefineProperty(HiddenSymbol.prototype, SymbolPolyfill.toStringTag,\n\td('c',
SymbolPolyfill.prototype[SymbolPolyfill.toStringTag]));\n\n// Note: It's important to define `toPrimitive` as last
one, as some implementations\n// implement `toPrimitive` natively without implementing `toStringTag` (or other
specified symbols)\n// And that may invoke error in definition flow:\n// See: https://github.com/medikoo/es6symbol/issues/13#issuecomment-164146149\ndefineProperty(HiddenSymbol.prototype,
SymbolPolyfill.toPrimitive,\n\td('c', SymbolPolyfill.prototype[SymbolPolyfill.toPrimitive]));\n","var isArrayLike =
require('./isArrayLike');\n\n/**\n * Creates a `baseEach` or `baseEachRight` function.\n *\n * @private\n * @param

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{Function} eachFunc The function to iterate over a collection.

@returns {Function} Returns the new base function.

@infunction createBaseEach

@returns {Function} Returns the new base function.

(Each func) if (isArrayLike(collection)) {
    return eachFunc(collection, iteratee);
} else if (hasOwnProperty(collection, "__proto__")) {
    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');

/** `Object#toString` result references. */
var asyncTag = '[object AsyncFunction]',
    funcTag = '[object Function]',
    genTag = '[object GeneratorFunction]',
    proxyTag = '[object Proxy]';

/**
 * Checks if `value` is classified as a `Function` object.
 *
 * @static
 * @memberOf _
 * @since 0.1.0
 * @category Lang
 * @param {*} value The value to classify.
 * @returns {boolean} Returns `true` if the 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');

/** Used to compose bitmasks for value comparisons. */
var COMPARE_PARTIAL_FLAG = 1,
    COMPARE_UNORDERED_FLAG = 2;

/**
 * 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) {
        data = matchData[index];
        if (noCustomizer && data[2]) {
            var stack = new Stack;
            if (customizer) {
                var result = customizer(data[3], data[2], data[0], data[1], stack);
            }
            if (!(result === undefined
                  ? baseIsEqual(data[3], data[2], COMPARE_PARTIAL_FLAG | COMPARE_UNORDERED_FLAG, customizer, stack)
                  : result)) {
                return false;
            }
        } else if (data[0] in object) {
            var value = object[data[0]],
                objValue = data[1],
                srcValue = data[2];

            if (noCustomizer && data[2]) {
                return value === objValue || (value || !objValue) && (srcValue || !srcValue);
            }
            if (customizer) {
                var result = customizer(object, source, key, stack);
            }
            if (result !== undefined
                ? baseIsEqual(value, objValue, COMPARE_PARTIAL_FLAG | COMPARE_UNORDERED_FLAG, customizer, stack)
                : result) {
                return true;
            }
        }
    }
    return true;
}

module.exports = baseIsMatch;

"use strict";

var isValue = require("./is-value");

module.exports = function (value) {
	if (!isValue(value)) throw new TypeError("Cannot use null or undefined");
	return value;
};

var baseEach = require('./_baseEach'),
    isArrayLike = require('./isArrayLike');

/**
 * The base implementation of `_.map` without support for iteratee shorthands.
 *
 * @private
 * @param {Array|Object} collection The collection to iterate over.
 * @param {Function} iteratee The function invoked per iteration.
 * @returns {Array} Returns the new mapped array.
 */
function baseMap(collection, iteratee) {
    var index = -1,
        result = isArrayLike(collection) ? Array(collection.length) : 
            ;
    baseEach(collection, function(value, index, collection) {
        result[++index] = iteratee(value, key, collection);
    });
    return result;
}

module.exports = baseMap;
function for methods like `_.forIn` and `_.forOwn`.

```javascript
var createBaseFor = function(fromRight) {
  return 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;
```

```javascript
var freeExports = typeof exports == 'object' && exports && !exports.nodeType && exports;

/**
 * Checks if the given arguments are from an iteratee call.
 *
 * @private
 * @param {*} value The potential iteratee value argument.
 * @param {*} index The potential iteratee index or key argument.
 * @param {*} object The potential iteratee object argument.
 * @returns {boolean} Returns `true` if the arguments are from an iteratee call,
 * else `false`.
 */
function isIterateeCall(value, index, object) {
  if (!isObject(object)) {
    return false;
  }
  var type = typeof index;
  if (type == 'number'
        ? (isArrayLike(object) && isIndex(index, object.length))
        : (type == 'string' && index in object)) {
    return eq(object[index], value);
  }
  return false;
}

module.exports = isIterateeCall;
```

```javascript
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 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']);
 * // => 3
 *
 * _.get(object, 'a.b.c');
 * // => undefined
 */
function get(object, path, defaultValue) {
  var result = object == null ? undefined
      : baseGet(object, path);
  return result === undefined ? defaultValue : result;
}

module.exports = get;
```

```javascript
// 22.1.3.31 Array.prototype[@@unscopables]
var ArrayProto = Array.prototype;
if (ArrayProto[UNSCOPABLES] == undefined) require('./_hide')(ArrayProto, UNSCOPABLES);
module.exports = function (key) {
  ArrayProto[UNSCOPABLES][key] = true;
};
```

```javascript
// 7.1.15 ToLength
var toLength = require('./toLength');
var min = Math.min;
module.exports = function (it) {
  return it > 0 ? min(toLength(it), 0x1fffffffffffff) : 0; // pow(2, 53) - 1 == 9007199254740991
};
```

```javascript
module.exports = function (exec) {
  try {
    return { e: false, v: exec() }
  } catch (e) {
    return { e: true, v: e }
  }
};
```

```javascript
// Thank's IE8 for his funny defineProperty
module.exports = !require('./_fails')(function () {
  Object.defineProperty({}, 'a', { get: function () { return 7; } }); // undefined
});
```

```javascript
var freeGlobal = require('./freeGlobal');

/**
 * Detect free variable `exports`.
 */
var freeExports = typeof exports == 'object' && exports && !exports.nodeType && exports;

/**
 * Detect free variable `module.exports`.
 */
var freeModule = freeExports && typeof module == 'object' && module && !module.nodeType && module.exports;

/**
 * Detect free variable `process` from Node.js.
 */
var freeProcess = freeModule && freeModule.exports !== freeExports;

/**
 * Get the `object` property `property` of `object`.
 */
var objectProperty = (function () {
  try {
    // Use `typeof Object.keys` in Node.js 10+
    if (typeof Object.keys == 'function') {
      return Object.keys;
    }
    // Use `Object.getOwnPropertyNames` in Node.js 9+
    var getOwnPropertyNames = Object.getOwnPropertyNames;
    if (getOwnPropertyNames) {
      return getOwnPropertyNames;
    }
    // This method is specific to Node.js 7 - do not use on other versions
    var hasOwnProperty = Object.prototype.hasOwnProperty;
    var getOwnPropertyDescriptor = Object.getOwnPropertyDescriptor;
    return function (object, property) {
      return (hasOwnProperty.call(object, property) &&
          getOwnPropertyDescriptor(object, property) !== undefined)
          ? object[property] : undefined;
    };
  } catch (e) {
  }
}());

module.exports = objectProperty;
```

```javascript
var global = require('./_global');
var navigator = global.navigator;

module.exports = navigator && navigator.userAgent || '';
```

```javascript
var SetCache = require('./_SetCache'),
    arraySome = require('./_arraySome'),
    cacheHas = require('./_cacheHas');

```
var COMPARE_PARTIAL_FLAG = 1,
COMPARE_UNORDERED_FLAG = 2;

/**
 * A specialized version of `baseIsEqualDeep` for arrays with support for
 * partial deep comparisons.
 * @param {Array} array The array to compare.
 * @param {Array} other The other array to compare.
 * @param {boolean} bitmask The bitmask flags. See `baseIsEqual` for more details.
 * @param {Function} customizer The function to customize comparisons.
 * @param {Function} equalFunc The function to determine equivalents of values.
 * @returns {boolean} Returns `true` if the arrays are equivalent, else `false`.
 */
function equalArrays(array, other, bitmask, customizer, equalFunc, stack) {
  var isPartial = bitmask & COMPARE_PARTIAL_FLAG,
      arrLength = array.length,
      othLength = other.length;

  if (arrLength != othLength && !(isPartial && othLength > arrLength)) {
    return false;
  }
  // Assume cyclic values are equal.
  var stacked = stack.get(array);
  if (stacked && stack.get(other)) {
    return stacked == other;
  }
  var index = -1,
      result = true,
      seen = (bitmask & COMPARE_UNORDERED_FLAG) ? new SetCache :
      undefined;

  stack.set(array, other);
  stack.set(other, array);

  // Ignore non-index properties.
  while (++index < arrLength) {
    var arrValue = array[index],
        othValue = other[index];

    if (customizer) {
      var compared = isPartial
        ? customizer(othValue, arrValue, index, other, array, stack)
        :
        customizer(arrValue, othValue, index, array, other, stack);
    }
    if (compared !== undefined) {
      if (compared) {
        continue;
      }
      result = false;
      break;
    }
    // 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 === othValue || equalFunc(arrValue, othValue, bitmask,
        customizer, stack))) {
      result = false;
      break;
    }
  }
  stack['delete'](array);
  stack['delete'](other);
  return result;
}

module.exports = equalArrays;

var constant = require('./constant'),
    defineProperty = require('./_defineProperty'),
    identity = require('./identity');

/**
 * The base implementation of `setToString` without support for hot loop shorting.
 * @private
 * @param {Function} func The function to modify.
 * @param {Function} string The `toString` result.
 * @returns {Function} Returns `func`.
 */
var baseSetToString = !defineProperty ? identity : function(func, string) {
  return defineProperty(func, 'toString', {
    'configurable': true,
    'enumerable': false,
    'value': constant(string),
    'writable': true
  });
};

module.exports = baseSetToString;

// @@replace logic
require('./_fix-re-wks')('replace', 2, function (defined, REPLACE, $replace) {
  // 21.1.3.14 String.prototype.replace(searchValue, replaceValue)
  return [function replace(searchValue, replaceValue) {
    'use strict';
    var O = defined(this);
    var fn = searchValue == undefined ? undefined : searchValue[REPLACE];
    return fn !== undefined
      ? fn.call(searchValue, O, replaceValue)
      : $replace.call(String(O), searchValue, replaceValue);
  },
  $replace];
});

var getMapData = require('./_getMapData');

/**
 * Checks if a map value for `key` exists.
 * @private
 * @name has
 * @memberOf MapCache
 * @param {string} key The key of the entry to check.
 * @returns {boolean} Returns `true` if an entry for `key` exists, else `false`.
 */
function mapCacheHas(key) {
  return getMapData(this, key).has(key);
}

module.exports = mapCacheHas;

'use
strict';
// 25.4.1.5 NewPromiseCapability(C)
var aFunction = require('./_a-function');

function PromiseCapability(C) {
  var aFunction = require('./_a-function');
  aFunction.PromiseCapability(C);
var non = '\u200b\u0085';
var ltrim = RegExp('^' + space + space + '*');
var rtrim = RegExp(space + space + '$');

var exporter = function (KEY, exec, ALIAS) {
  var exp = {};
  var FORCE = fails(function () {
    return !!spaces[KEY]() || non[KEY]() != non;
  });
  var fn = exp[KEY] = FORCE ? exec(trim) : spaces[KEY];
  if (ALIAS) exp[ALIAS] = fn;
  $export($export.P + $export.F * FORCE, 'String', exp);
  return String.trimLeft();
  /*2.2.8 IsRegExp(argument)
  var isObject = require('./_is-object');
  var cof = require('./_cof');
  var MATCH = require('./_wks')('match');
  // 1 -> String#trimLeft
  // 2 -> String#trimRight
  // 3 -> String#trim
  var trim = exporter.trim = function (string, TYPE) {
    string = String(defined(string));
    if (TYPE & 1) string = string.replace(ltrim, '');
    if (TYPE & 2) string = string.replace(rtrim, '');
    return string;
  };
for more details.

```javascript
/**
 * @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 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];
    if (!(isPartial ? key in other : hasOwnProperty.call(other, key))) {
      return false;
    }
  }
  // Assume cyclic values are equal.
  var stack = stack.get(object);
  if (stack && stack.get(other)) {
    return stack == other;
  }
  var result = true;
  stack.set(object, other);
  stack.set(other, object);

  var skipCtor = isPartial;
  while (++index < objLength) {
    var key = objProps[index],
        objValue = object[key],
        othValue = other[key];

    if (customizer) {
      var compared = isPartial
        ? customizer(othValue, objValue, key, other, object, stack)
        : customizer(objValue, othValue, key, other, object, stack);
    }
    // Recursively compare objects (susceptible to
call stack limits).
    if (compared === undefined
          ? (objValue === othValue || equalFunc(objValue, othValue, bitmask, customizer, stack))
          : compared
        ) {
      result = false;
      break;
    }
  }
  if (result && !skipCtor) {
    var objCtor = object.constructor,
        othCtor = other.constructor;

    // Non `Object` object instances with different constructors are not equal.
    if (objCtor != othCtor &&
        ('constructor' in object && 'constructor' in other) &&
        !((typeof objCtor == 'function' &&
          objCtor instanceof objCtor) &&
        (typeof othCtor == 'function' &&
          othCtor instanceof othCtor))) {
      return false;
    }
  }
  stack['delete'](object);
  stack['delete'](other);
  return result;
}
```

```javascript
module.exports = equalObjects;
```
__webpack_require__.r = function(exports) {
/******/
	// create a fake namespace object
	// mode & 2: merge all properties of value into the ns
	// mode & 8: return value when already ns object
	if (typeof Symbol === 'function' && Symbol.toStringTag) {
		Object.defineProperty(exports, Symbol.toStringTag, { value: 'Module' });
	}
	Object.defineProperty(exports, '__esModule', { value: true });
	var ns = Object.create(null);
	/******/
	__webpack_require__.r(ns);
	/******/
	Object.defineProperty(ns, 'default', { enumerable: true, value: value });
	/******/
	getDefaultExport function for compatibility with non-harmony modules
	return ns;
	}`).__esModule ? function () { return ns['default']; } : function () { return ns; });
	__webpack_require__.p = "";
	/******/
	// Load entry module and return exports
	return __webpack_require__(__webpack_require__.s = 0);
	})

/**
 * 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
     * @param {Object} options
     */
    function resolveOptions(options) {
        _classCallCheck(this, resolveOptions);

        var _this = _possibleConstructorReturn(this, (resolveOptions.__proto__ || Object.getPrototypeOf(resolveOptions)).call(this));

        _this.options = options;
        return _this;
    }

    /**
     * Listen for click events on the trigger.
     * @param {String|HTMLElement|HTMLCollection|NodeList} trigger
     */
    function listenClick(trigger) {
        _classCallCheck(this, listenClick);

        var _this = _possibleConstructorReturn(this, (listenClick.__proto__ || Object.getPrototypeOf(listenClick)).call(this));

        _this.initEvents(trigger);
        return _this;
    }

    /**
     * Initialize event listeners on the trigger.
     * @param {String|HTMLElement|HTMLCollection|NodeList} trigger
     */
    function initEvents(trigger) {
        _classCallCheck(this, initEvents);

        var _this = _possibleConstructorReturn(this, (initEvents.__proto__ || Object.getPrototypeOf(initEvents)).call(this));

        _this.addEventListeners(trigger);
        return _this;
    }

    /**
     * Add event listeners to the trigger.
     * @param {String|HTMLElement|HTMLCollection|NodeList} trigger
     */
    function addEventListeners(trigger) {
        _classCallCheck(this, addEventListeners);

        var _this = _possibleConstructorReturn(this, (addEventListeners.__proto__ || Object.getPrototypeOf(addEventListeners)).call(this));

        _this.addEventListener(trigger, options, options);
attributes would be resolved using internal setter functions
* or custom functions that were passed in the
constructor.

* @param {Object} options
* @returns {_createClass:Clipboard.

'resolveOptions',

value: function resolveOptions() {

var options = arguments.length > 0 &&
arguments[0] !== undefined ? arguments[0] : {};

var this = typeof options === 'function' ? options : this;

value = function()

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var this = typeof options === 'function' ? options : this;

value = function()
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

Open Source Used In ND-NODE v2.1.2b 29675


Adds 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);
        }
    }
}

function listenNodeList(nodeList, type, callback) {
    nodeList.forEach(function(node) {
        node.addEventListener(type, callback);
    });

    return {
        destroy: function() {
            nodeList.forEach(function(node) {
                node.removeEventListener(type, callback);
            });
        }
    }
}

function listenSelector(selector, type, callback) {
    return delegate(document.body, selector, type, callback);
}
```

```javascript
module.exports = listen;
```

---

Exports:

- `.node` - Checks if argument is a HTML element.
- `.nodeList` - Checks if argument is a list of HTML elements.
- `.string` - Checks if argument is a string.
- `.fn` - Checks if argument is a function.

```javascript
function closest(element, selector) {
    // ... (omitted for brevity)
}
```

```javascript
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);
        }
    }
}
```

```javascript
function delegate(elements, selector, type, callback, useCapture) {
    // Handle the regular Element usage
    if (typeof elements.addEventListener === 'function') {
        return _delegate.apply(null, arguments);
    }

    // Handle Element-less usage, it defaults to global delegation
    if (typeof type === 'function') {
        // Use `document` as the first parameter, then apply arguments
        // This is a short way to .unshift `arguments`
        // without running into deoptimizations
        return _delegate.bind(null, document).apply(null, arguments);
    }

    // Handle Selector-based usage
    return Array.prototype.map.call(elements, function (element) {
        return _delegate(element, selector, type, callback, useCapture);
    });
}
```

---

Add an event listener to a list of HTML elements and returns a remove listener function.

```javascript
function delegate(elements, selector, type, callback) {
    // Handle the regular Element usage
    if (typeof elements.addEventListener === 'function') {
        return _delegate.apply(null, arguments);
    }

    // Handle Element-less usage, it defaults to global delegation
    if (typeof type === 'function') {
        // Use `document` as the first parameter, then apply arguments
        // This is a short way to .unshift `arguments`
        // without running into deoptimizations
        return _delegate.bind(null, document).apply(null, arguments);
    }

    // Handle Selector-based usage
    if (typeof elements === 'string') {
        return document.querySelectorAll(elements);
    }

    return Array.prototype.map.call(elements, function (element) {
        return _delegate(element, selector, type, callback, useCapture);
    });
}
```
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;
    }
}

module.exports = closest;
```

```javascript
var isSymbol = require('./is-symbol');

module.exports = function (value) {
	if (!isSymbol(value)) throw new TypeError(value + " is not a symbol");
	return value;
};

var assocIndexOf = require('./_assocIndexOf');

/**
 * Gets the list cache value for `key`.
 * @param {string} key The key of the value to get.
 * @returns {*} Returns the entry value.
 */
function listCacheGet(key) {
  var data = this.__data__,
      index = assocIndexOf(data, key);

  return index < 0 ? undefined : data[index][1];
}

module.exports = listCacheGet;
```

```javascript
var baseMatches = require('./_baseMatches'),
    baseMatchesProperty = require('./_baseMatchesProperty'),
    identity = require('./identity'),
    isArray = require('./isArray'),
    property = require('./property');

/**
 * The base implementation of `_.iteratee`.
 *
 * @private
 * @param {*} [value=_.identity] The value to convert to an iteratee.
 * @returns {Function} Returns the iteratee.
 */
function baseIteratee(value) {
  // Don't store the `typeof` result in a variable to avoid a JIT bug in Safari 9.
  // See https://bugs.webkit.org/show_bug.cgi?id=156034 for more details.
  if (typeof value == 'function') {
    return value;
  }
  if (value == null) {
    return identity;
  }
  if (typeof value == 'object') {
    return isArray(value)
      ? baseMatchesProperty(value[0], value[1])
      : baseMatches(value);
  }
  return property(value);
}

module.exports = baseIteratee;
```

```javascript
var nativeCreate = require('./_nativeCreate');

/**
 * Gets the hash value for `key`.
 *
 * @private
 * @name get
 * @memberOf Hash
 * @param {string} key The key of the value to get.
 * @returns {*} Returns the entry value.
 */
function hashGet(key) {
  var data = this.__data__;
  if (nativeCreate) {
    var result = data[key];
    return result === HASH_UNDEFINED ? undefined : result;
  }
  return hasOwnProperty.call(data, key) ?
    data[key] : undefined;
}

module.exports = hashGet;
```

```javascript
var anObject = require('./_an-object');
var isObject = require('./_is-object');
var newPromiseCapability = require('./_new-promise-capability');

module.exports = function (C, x) {
  anObject(C);
  if (isObject(x) && x.constructor === C) return x;
  var promiseCapability =
    newPromiseCapability.f(C);
  var resolve = promiseCapability.resolve;
  resolve(x);
  return promiseCapability.promise;
};
```

```javascript
// 7.2.1 RequireObjectCoercible(argument)
module.exports = function (it) {
  if (it == undefined) throw TypeError("Can't call method on  " + it);
  return it;
};
```

```javascript
function _defineProperties(target, props) {
  for (var i = 0; i < props.length; i++) {
    var descriptor = props[i];
    descriptor.enumerable = descriptor.enumerable || false;
    descriptor.configurable = true;
    if ("value" in descriptor) descriptor.writable = true;
    Object.defineProperty(target, descriptor.key, descriptor);
  }
}

export default function _createClass(Constructor, protoProps, staticProps) {
  if (protoProps)
    _defineProperties(Constructor.prototype, protoProps);
  if (staticProps)
    _defineProperties(Constructor, staticProps);
  return Constructor;
}
```

```javascript
var baseIsEqualDeep = require('./_baseIsEqualDeep'),
    isObjectLike = require('./isObjectLike');

/**
 * The base implementation of `_.isEqual` which supports partial comparisons
 * and tracks traversed objects.
 *
 * @private
 * @param {Function} shallowEqual The function to use for shallow comparisons.
 * @param {*} object The object to inspect.
 * @param {*} other The object to compare to `object`.
 * @returns {boolean} Returns `true` if the objects are equivalent, else
 * `false`.
 */
function baseIsEqual(object, other, bitmask, customizer, equalFunc,
                       stack) {
  return baseIsEqualDeep(object, other, bitmask, customizer, equalFunc,
                          stack, customizer.isEqual);
Object} [stack] Tracks traversed `value` and `other` objects.

* @returns {boolean} Returns `true` if the values are equivalent, else `false`.

function baseIsEqual(value, other, bitmask, customizer, stack) {
  if (value === other) {
    return true;
  }
  if (value == null || other == null || (!isObjectLike(value) && !isObjectLike(other))) {
    return value !== value && other !== other;
  }
  return baseIsEqualDeep(value, other, bitmask, customizer, baseIsEqual, stack);
}

module.exports = baseIsEqual;

/*!
 * Font Awesome Free 5.5.0 by @fontawesome - https://fontawesome.com
 * License - https://fontawesome.com/license/free (Icons: CC BY 4.0, Fonts: SIL OFL 1.1, Code: MIT License)
 */
var noop = function noop() {};

var _WINDOW = {};
var _DOCUMENT = {};
var _MUTATION_OBSERVER$1 = null;
var _PERFORMANCE = { mark: noop, measure: noop };

try {
  if (typeof window !== 'undefined') _WINDOW = window;
  if (typeof document !== 'undefined') _DOCUMENT = document;
  if (typeof MutationObserver !== 'undefined') _MUTATION_OBSERVER$1 = MutationObserver;
  if (typeof performance !== 'undefined') _PERFORMANCE = performance;
} catch (e) {}

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_ICON = 'data-icon';
var HTML_CLASS_I2SVG_BASE_CLASS = 'fontawesome-i2svg';
var TAGNAMES_TO_SKIP_FOR_PSEUDOELEMENTS = ['HTML', 'HEAD', 'STYLE', 'SCRIPT'];

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 _extends = Object.assign || function (target) {
  for (var i = 1; i < arguments.length; i++) {
    var source = arguments[i];
    for (var key in source) {
      if (Object.prototype.hasOwnProperty.call(source, key)) {
        target[key] = source[key];
      }
    }
  }
  return target;
};

var slicedToArray = function () {
  function sliceIterator(arr, i) {
    var _arr = [], _n = true, _d = false, _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 = false) throw err;
    } finally {
      try {
        if (_i && !(_i === void 0 || (_i = arr[Symbol.iterator]()),
          _i)!)
      _i)!)
        throw (err = _e) ? err : Object.keys(_d).forEach(function (k) {
          if (k in _d)
            _d[k] = _e;
        }) || _e;
        _n = true;
        _d = false;
        varlena;
      } finally {
        try {
          for (var i = arr.length - 1; i >= 0; i--)
            if (i in arr)
              arr[i] = undefined;
        } finally {
          if (i && !arr.length)
            throw new TypeError("Invalid attempt to destructure non-iterable instance");
        }
      }
    }
    return _arr;
  }

  return function (arr, i) {
    if (Array.isArray(arr)) {
      for (var _i = 0, arr2 = Array(arr.length); _i < arr.length; _i++)
        arr2[_i] = arr[_i];
    } else {
      if (Array.isArr(arr))
        return arr;
      else if (Symbol.iterator in Object(arr))
        return Array.from(arr);
    }
    return new ConsumableArray = function (arr) {
      for (var _i = 0, arr2 = Array(arr.length); _i < arr.length; _i++)
        arr2[_i] = arr[_i];
    }

  }

  return function getAttrConfig(attr) { Object
var element = DOCUMENT.querySelector('script[ + attr + ']');
  if (element) {
    return element.getAttribute(attr);
  }

  // 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;
}

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-11y', 'auto11y'],
    ['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,
    auto11y: true,
    searchPseudoElements: false,
    observeMutations: true,
    keepOriginalSource: true,
    measurePerformance: true,
    showMissingIcons: true
  }, initial);

  if (!_default.autoReplaceSvg) _default.observeMutations = false;

  if (DOCUMENT.removeEventListner(DOMContentLoaded, listener);
    loaded = 1;
  }

  functions.map(function (fn) {
    return fn();
  });
}

var domready = function (fn) {
  if (!IS_DOM) return;
  setTimeout(fn, 0);
}

function isReserved(name) {
  return ~RESERVED_CLASSES.indexOf(name);
}

function insertCss(css) {
  if (!css || !IS_DOM) {
    return;
  }

  var style = DOCUMENT.createElement('style');
  style.setAttribute('type', 'text/css');
  style.innerHTML = css;

  var headChildren = DOCUMENT.head.childNodes;
  var beforeChild = null;

  for (var i = headChildren.length - 1; i > -1; i--) {
    var child = headChildren[i];
    var tagName = (child.tagName || '').toUpperCase();
    if (['STYLE', 'LINK'].indexOf(tagName) > -1) {
      beforeChild = child;
      break;
    }
  }

  DOCUMENT.head.insertBefore(style, beforeChild);

  return css;
}

var idPool = '0123456789abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ';

function nextUniqueId() {
  var size = 12;
  var id = '';
  while (size-- > 0) {
    id += idPool[Math.random() * 62 | 0];
  }
  return id;
}

function toArray(obj) {
  var array = [];

  for (var i = (obj || []).length >>> 0; i--;) {
    array[i] = obj[i];
  }

  return array;
}

function classArray(node) {
  if (node.classList) {
    return toArray(node.classList);
  } else {
    return (node.getAttribute('class') || '').split(' ').filter(function (i) {
      return i;
    });
  }
}

function getIconName(familyPrefix, cls) {
  var parts = cls.split('-');
  var prefix = parts[0];

  var iconName = parts.slice(1).join('-');

  if (prefix === familyPrefix && iconName !== '' &&
      !isReserved(iconName)) {
    return iconName;
  } else {
    return null;
  }
}

function htmlEscape(str) {
  return ('' + str).replace(/&/g, '&amp;').replace(/"/g, '&quot;').replace(/'/g, '&#39;').replace(/</g, '&lt;').replace(/>/g, '&gt;');
}

function joinAttributes(attributes) {
  return Object.keys(attributes || {}).reduce(function (acc, attributeName) {
    return acc + (attributeName + '="' + htmlEscape(attributes[attributeName]) + '" ');
  }, '');
}

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;
function makeInlineSvgAbstract(params) {
  var _params$icons = params.icons,
      main = _params$icons.main,
      mask = _params$icons.mask,
      prefix = params.prefix,
      iconName = params.iconName,
      transform = params.transform,
      symbol = params.symbol,
      title = params.title,
      extra = params.extra,
      _params$watchable = params.watchable,
      watchable = _params$watchable === undefined ? false : _params$watchable;

  var _ref = mask.found ? mask : main,
      width = _ref.width,
      height = _ref.height;

  var var widthClass = 'fa-w-' + Math.ceil(width / height * 16);

  var attrClass = [config.replacementClass, iconName ? config.familyPrefix + '-' + iconName : '', widthClass].filter(function (c) {
    return extra.classes.indexOf(c) === -1;
  }).concat(extra.classes).join(' ');

  var content = {
    children: [],
    attributes: _extends({}, extra.attributes, {
      'data-prefix': prefix,
      'data-icon': iconName,
      'class': attrClass,
      'role': 'img',
      'xmlns': 'http://www.w3.org/2000/svg',
      'viewBox': '0 0 ' + width + ' ' + height
    })
  };

  if (watchable) {
    content.attributes[DATA_FA_I2SVG] = '';}

  if (title) {
    content.children.push({
      tag: 'title',
      attributes: {
        id: content.attributes['aria-labelledby'] || 'title-' + nextUniqueId() },
      children: [title]
    });

  } else {
    return content;
  }
}

function makeLayersTextAbstract(params) {
  var content = params.content,
      width = params.width,
      height = params.height,
      transform = params.transform,
      title = params.title,
      extra = params.extra,
      _params$watchable2 = params.watchable,
      watchable = _params$watchable2 === undefined ? false : _params$watchable2;

  var attributes = _extends({}, extra.attributes, title ? { 'title': title } : {}, {
    'class': extra.classes.join(' ')
  });

  if (watchable) {
    attributes[DATA_FA_I2SVG] = '';}

  var styles = _extends({}, extra.styles);

  if (transformIsMeaningful(transform)) {
    styles['transform'] = transformForCss({ transform: transform, startCentered: true, width, height, styles: 'styles' });
    styles['-webkit-transform'] = styles['transform'];
  }

  var styleString = joinStyles(styles);

  if (styleString.length > 0) {
    attributes['style'] = styleString;
  }

  var val = [];

  val.push({
    tag: 'span',
    attributes: attributes,
    children: [content]
  });

  if (title) {
    val.push({
      tag: 'span',
      attributes: { class: 'sr-only' },
      children: [title]
    });
  }

  return val;
}

function makeLayersCounterAbstract(params) {
  var content = params.content,
      title = params.title,
      extra = params.extra;

  var attributes = _extends({}, extra.attributes, title ? { 'title': title } : {}, {
    'class': extra.classes.join(' ')
  });

  var styleString = joinStyles(extra.styles);

  if (styleString.length > 0) {
    attributes['style'] = styleString;
  }

  var val = [];

  val.push({
    tag: 'span',
    attributes: attributes,
    children: [content]
  });

  if (title) {
    val.push({
      tag: 'span',
      attributes: { class: 'sr-only' },
      children: [title]
    });
  }

  return val;
}

var noop$2 = function noop() {};
var p = config.measurePerformance && PERFORMANCE && PERFORMANCE.mark && PERFORMANCE.measure ? PERFORMANCE : { mark: noop$2, measure: noop$2 };

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 + ' begins', preamble + ' ' + name + ' ends');
};

var perf = { begin: begin, end: end };

'use strict';

/**
 * Internal helper to bind a function known to have 4 arguments
 * to a given context.
 */
var bindInternal4 = function bindInternal4 (func, thisContext) {
  return function (a, b, c, d) {
    return func.call(thisContext, a, b, c, d);
  };
};

**/
```javascript
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) {
    acc[iconName] = iconName;
    ligatures.forEach(function (ligature) {
      if (prefix === 'far' && hasRegular) {
        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 === 'fa' && hasRegular) {
      prefix = 'fas';
    }

    acc[oldName] = {
      prefix: prefix,
      iconName: iconName
    };
    return acc;
  }, {});

  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 : {};

        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$attrib,
        _abstractNodes$children = abstractNodes.children,
        children = _abstractNodes$children === undefined ? [] : _abstractNodes$children;

    if (typeof abstractNodes === 'string') {
      return htmlEscape(abstractNodes);
    } else {
      return '<' + tag + ' ' + joinAttributes(attributes) + '>' + children.map(toHtml).join('') + '</' + tag + '>
    }
  }

  var noop$1 = function noop$1() {};

  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;
  }

  mutators = {
    replace: function replace(mutation) {
      var node = mutation[0];
      var abstract = mutation[1];

      var newOuterHTML = abstract.map(function (a) {
        var innerHTML = a;
        if (node.parentNode && node.outerHTML) {
          node.outerHTML = newOuterHTML + '

          node.parentNode.replaceChild(newNode, node);
          newNode.outerHTML = newOuterHTML;
        } else if (node.parentNode) {
          var newNode = document.createElement('span');
          node.parentNode.replaceChild(newNode, node);
        }
      });

      var newInnerHTML = abstract.map(function (a) {
        var innerHTML = a;
        if (new RegExp(config.familyPrefix + '.*')) {
          delete a.attributes.style;
          var splitClasses = a.attributes.class.split('.').reduce(function (acc, cls) {
            if (cls === config.replacementClass) {
              a.attributes.class = splitClasses.join('.');
            } else if (cls.match(forSvg)) {
              a.acc.toSvg.push(cl);}
          }, {});

          if (toNode) {
            toNode.push([]);
          }
        });
    }
  }

  perform(mutations, callback);
};
```
var mark = perf.begin('mutate');
var mark = perf.begin('mutate');
mutations.map(mutator);
var mark = perf.begin('mutate');
mutations.map(mutator);

mark();

callbackFunction();
}
}

var disabled = false;

function disableObservation(operation) {
  disabled = true;
  operation();
  disabled = false;
}

var mo = null;

function observe(options) {
  if (!MUTATION_OBSERVER) {
    return;
  }

  if (!config.observeMutations) {
    return;
  }

  var treeCallback = options.treeCallback,
      nodeCallback = options.nodeCallback,
      pseudoElementsCallback = options.pseudoElementsCallback,
      observeMutationsRoot = options.observeMutationsRoot,
      optionsObserveMutat = options.observeMutationsRoot,
  
  mo.observe(observeMutationsRoot, {
    childList: true, attributes: true, characterData: true, subtree: true
  });

  if (!IS_DOM) return;

  mo.disconnect();

  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;
  };
toArray(node.attributes).reduce(function (acc, attr) {
    if (acc.name !== 'class' && acc.name !== 'style') {
        acc[attr.name] = attr.value;
    }
    return acc;
}, {});

var title = node.getAttribute('title');

if (config.autoA11y) {
    if (title) {
        extraAttributes['aria-labelledby'] = config.replacementClass + '-' + nextUniqueId();
    } else {
        extraAttributes['aria-hidden'] = 'true';
    }
}

return extraAttributes;
};

var maskParser = function (node) {
    var mask = node.getAttribute('data-fa-mask');

    if (!mask) {
        return emptyCanonicalIcon();
    } else {
        return getCanonicalIcon(mask.split(' ').map(function (i) {
            return i.trim();
        }));
    }
};

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);

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 c1.4,21.2,5.4,41.7,11.7,61.1L50,321.2C45.1,305.5,41.8,289,40.6,272z M40.6,240c-1.4-18.8,5.2-37,11.1-54.1 L447.7,355.5c-7.8,14.9-17.2,28.8-41.5,41.5L69.7,92.3c-13.7,15.6-25.5,32.8-34.9,51.5 L64.3,156.5c7.8-21.2,14.7-43.5,21.1-66.8 c7.5-21.1,12.2-43.5,13.6-66.8H471.4z 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 M240.471.4c-18.8-14.9-37-25.5,54.1-92.4L321.2,92.3c-12.2,29.4-29.4,54.1-54.1,80.2v32.1C275.7,128.5,257.3,109.4,242.3,92.3z M115,92.4c13.9-12,29.4-22.3-46.1,30.41L1,29.8c20.7-9.9,39.8-22.6,56.9-37L397.419.6z M115.92,4c13.9-12,29.4-22.3,46.1-30.4i11-9.9-20.7,9.9-39.8,22.6-56.9,37L115.92,4z M447.7,355.5c-7.8-14.9-17.2,28.8-41.5,41.5L69.7,92.3c-13.7,15.6-25.5,32.8-34.9,51.5 L64.3,156.5c7.8-21.2,14.7-43.5,21.1-66.8 c7.5-21.1,12.2-43.5,13.6-66.8H471.4z 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 M240.471.4c-18.8-14.9-37-25.5,54.1-92.4L321.2,92.3c-12.2,29.4-29.4,54.1-54.1,80.2v32.1C275.7,128.5,257.3,109.4,242.3,92.3z M397,419.6c-13.9-12,29.4-22.3-46.1,30.41L1,29.8c20.7-9.9,39.8-22.6,56.9-37L397.419.6z
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} styled[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) {
    throw new MissingIcon('Icon is missing for prefix ' + prefix + ' with icon name ' + iconName);
  }
  return val;
}

function generateSvgReplacementMutation(node, nodeMeta) {
  var iconName = nodeMeta.iconName,
      title = nodeMeta.title,
      transform = nodeMeta.transform,
      symbol = nodeMeta.symbol;
  if (IS_IE) {
    var computedFontSize = parseInt(getComputedStyle(node).fontSize, 10);
    var boundingClientRect = node.getBoundingClientRect();
    var width = boundingClientRect.width / computedFontSize;
    var height = boundingClientRect.height / computedFontSize;
  }
  if (config.autoA11y && !title) {
    extra.attributes['aria-hidden'] = 'true';
  }
  return [node, 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
  })];
}

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();
    var width = boundingClientRect.width / computedFontSize;
    var height = boundingClientRect.height / computedFontSize;
  }
  if (config.autoA11y && !title) {
    extra.attributes['aria-hidden'] = 'true';
  }
  return [node, makeLayersTextAbstract({
    content: node.innerHTML,
    width: width,
    height: height,
    transform: transform,
    title: title,
    extra: extra,
    watchable: true
  })];
}

function generateMutation(node) {
  var nodeMeta = parseMeta(node);
  if (~nodeMeta.extra.classes.indexOf(LAYERS_TEXT_CLASSNAME)) {
    return generateLayersText(node, nodeMeta);
  } else {
    return generateSvgReplacementMutation(node, nodeMeta);
  }
}

function searchPseudoElements(root) {
  if (!IS_DOM) return;
  var end = perf.begin('searchPseudoElements');
  disableObservation(function () {
    toArray(root.querySelectorAll('*')).filter(function (n) {
      return n.parentNode !== document.head && !~TAGNAMES_TO_SKIP_FOR_PSEUDOELEMENTS.indexOf(n.tagName.toUpperCase()) && n.getAttribute(DATA_FA_PSEUDO_ELEMENT) && (!n.parentNode || n.parentNode.tagName !== 'svg');
    }).forEach(function (node) {
      [':before', ':after'].forEach(function (pos) {
        var children = toArray(node.children);
        var alreadyProcessedPseudoElement = children.filter(function (c) {
          return c.getAttribute(DATA_FA_PSEUDO_ELEMENT) === pos;
        })[0];
        var styles = WINDOW.getComputedStyle(node, pos);
        var fontFamily = styles.getPropertyValue('font-family').match(FONT_FAMILY_PATTERN);
        var fontWeight = styles.getPropertyValue('font-weight');
        if (alreadyProcessedPseudoElement && fontFamily && fontWeight) {
          // If we’ve already processed it but the current computed style does not result in a font-family, // that probably means that a class name that was previously present to make the icon has been removed. So we now should delete the icon.
          node.removeChild(alreadyProcessedPseudoElement);
          var prefix = ~['Light', 'Regular', 'Solid', 'Brands'].indexOf(fontFamily[1]) ? STYLE_TO_PREFIX[fontFamily[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 = getAttribute(DATA_PREFIX) !== prefix || alreadyProcessedPseudoElement.getAttribute(DATA_ICON) !== iconName;
            var extra = blankMeta.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 [node, abstract];
          }
        }
      });
    });
  });
}
namespace.hooks.addPack === 'function') {
  namespace.styles[prefix] = _extends({}, namespace.styles[prefix] || {});
}

var unvar Library = function () {
  this.addPack = namespace.hooks.addPack || ((function add(name, value) {
    namespace[name] = value;
  }));

  this.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 ease the upgrade process for our users by
   * automatically defining
   * `fas` as well.
   * 
   * @param {string} prefix
   * @param {string} iconName
   * @param {string} icon
   * 
   * @returns {object}
   */
  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.addDefinitions, {});

      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 additions;
    }
  }]);

  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 || {});

      var return next(iconDefinition, _extends({}, params, { mask: mask }));
    }

    var library = new Library();
    unvar noAuto = function noAuto() {
      var config = config.autoReplaceSvg = false;
      config.observeMutations = false;
      unvar disconnect();
      _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.createElement('div');
        container.innerHTML = val.html;
        return container.children;
      }
    };
{
    return parseTransformString(transformString);
  }
}

var icon = resolveIcons(function (iconDefinition) {
  var _params$transform = params.transform,
      transform = _params$transform === undefined ? undefined : _params$transform;
  var _meaninglessTransform = transform;
  var symbol = params.symbol;
  var _params$symbol = params.symbol;
  var mask = params.mask;
  var _params$mask = params.mask;
  var _params$title = params.title,
      title = _params$title === undefined ? null : _params$title;
  var _params$classes = params.classes;
  var classes = _params$classes === undefined ? [] : _params$classes;
  var _params$attributes = params.attributes;
  var attributes = _params$attributes === undefined ? {} : _params$attributes;
  var _params$styles = params.styles;
  var styles = _params$styles === undefined ? {} : _params$styles;
  var _params$transform2 = params.transform2;
  var transform2 = _params$transform2 === undefined ? undefined : _params$transform2;
  var _meaninglessTransform2 = transform2;
  var symbol = params.symbol;
  var _params$symbol = params.symbol;
  var mask = params.mask;
  var _params$mask = params.mask;
  var _params$title2 = params.title,
      title = _params$title2 === undefined ? null : _params$title2;
  var _params$classes2 = params.classes;
  var classes = _params$classes2 === undefined ? [] : _params$classes2;
  var _params$attributes2 = params.attributes;
  var attributes = _params$attributes2 === undefined ? {} : _params$attributes2;
  var _params$styles2 = params.styles;
  var styles = _params$styles2 === undefined ? {} : _params$styles2;
  var _params$title3 = params.title,
      title = _params$title3 === undefined ? null : _params$title3;
  var _params$classes3 = params.classes;
  var classes = _params$classes3 === undefined ? [] : _params$classes3;
  var _params$attributes3 = params.attributes;
  var attributes = _params$attributes3 === undefined ? {} : _params$attributes3;
  return apiObject({
    type: 'icon',
    iconDefinition, function () {
      ensureCss();
      return makeInlineSvgAbstract({
        icons: [main: preplIcon(icon), mask: mask, symbol: symbol, title: title, extra: { attributes: attributes, styles: styles, classes: classes }]
      });
    }
  });
};

var counter = function counter(content) {
  var _params$title3 = params.title,
      title = _params$title3 === undefined ? null : _params$title3;
  var _params$classes3 = params.classes;
  var classes = _params$classes3 === undefined ? [] : _params$classes3;
  var _params$attributes3 = params.attributes;
  var attributes = _params$attributes3 === undefined ? {} : _params$attributes3;
  return apiObject({
    type: 'counter',
    content: content.toString(),
    title: title,
    extra: { attributes: attributes, styles: styles, classes: [config.familyPrefix + '-layers-counter'] }
  });
};

var layer = function layer(assembler) {
  return apiObject({
    type: 'layer',
    children: []
  });
};

var api = {
  noAuto: noAuto,
  config: config,
  dom: dom,
  library: library,
  parse: parse,
  findIconDefinition: findIconDefinition,
  icon: icon,
  text: text,
  counter: counter,
  layer: layer,
  toHtml: toHtml
};

export { icon, noAuto, config, toHtml, layer, text, counter, library, dom, parse, findIconDefinition };
'@fortawesome/vue-fontawesome'
export { library } from '@fortawesome/fontawesome-svg-core'
export default

/** Used as references for various `Number` constants. */
var MAX_SAFE_INTEGER = 9007199254740991;

/** Used to detect unsigned integer values. */
var reIsUint = /^([0-9]+)$/;

/**
 * Checks if 'value' is a valid array-like index.
 * @param {string} value The value to check.
 * @returns {boolean} Returns 'true' if 'value' is a valid index, else 'false'.
 */
function isIndex(value, length) {
  var type = typeof value;
  length = length == null ? MAX_SAFE_INTEGER : length;
  var module.exports = isIndex;
  var baseSetToString = require('./_baseSetToString');
  var shortOut = require('./_shortOut');

  /**
   * Sets the 'toString' method of 'func' to return 'string'.
   * @param {*} value
   * @returns {Function} Returns 'func'.
   */
  var setToString = shortOut(baseSetToString);
  module.exports = setToString;

  // false -> Array#indexOf
  // true  -> Array#includes
  var toIObject = require('./_to-iobject');
  var toLength = require('./_to-length');
  var toAbsoluteIndex = require('./_to-absolute-index');
  module.exports = function (IS_INCLUDES) {
    return function ($this, el, fromIndex) {
      var O = toIObject($this);
      var length = toLength(O.length);
      var index = toAbsoluteIndex(fromIndex, length);
      var value;
      // Array#includes uses SameValueZero equality algorithm
      if (IS_INCLUDES && el !== el) while (length > index) {
        value = O[index++];
      // Array#indexOf ignores holes, Array#includes - not
      } else for (;length > index;
        index++) if (IS_INCLUDES || index in O) {
          if (O[index] === el) return IS_INCLUDES || index || 0;
        }
        return !IS_INCLUDES && -1;
    };
  };
var func = isArray(collection) ? arrayReduce : baseReduce, 
    initAccum = arguments.length < 3 ? 
        return func(collection, baseIteratee(iteratee, 4), accumulator, initAccum, baseEach); 

var module.exports = reduce;

module.exports = require('./forEach');

module.exports = !require('./_descriptors') && !require('./_fails')(function () {
  return Object.defineProperty(require('./_dom-create')('div'), 'a', { get: function () {
    return 7; 
  } }).a != 7;
});

var baseFlatten = require('./_baseFlatten'),
    baseOrderBy = require('./_baseOrderBy'),
    baseRest = require('./_baseRest'),
    isIterateeCall = require('./_isIterateeCall');

/**
 * 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
 * @param {...(Function|Function[])} [iteratees=[_.identity]]
 * @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; }]);
 * // => objects for [['barney', 34], ['barney', 36], ['fred', 40], ['fred', 48]]
 *
 * _.sortBy(users, ['user', 'age']);
 * // => objects for [['fred', 48], ['barney', 34], ['barney', 36], ['fred', 40], ['fred', 48]]
 */
var sortBy = baseRest(function(collection, iteratees) {
  if (collection == null) {
    return []; 
  }

  var length = iteratees.length;
  if (length > 1 && isIterateeCall(collection, iteratees[0], iteratees[1])) {
    iteratees = 
  } else if (length > 2 && isIterateeCall(iteratees[0], iteratees[1], iteratees[2])) {
    iteratees = 
  }

  return baseOrderBy(collection, baseFlatten(iteratees, 1));
});

var g = 
  (function() {
    try {
      return this;
    } catch(e) {
      return g = Function("return this;")();
    }
  }());

var getNative = require('./_getNative'),
    root = require('./_root');

/* Built-in method references that are verified to be native.*/
var Set = getNative(root, 'Set');

module.exports = Set;

// This works if the window reference is available
var g = window;

// g can still be undefined, but nothing to do about it...

// We return undefined, instead of nothing here, so it's easier to handle this case.

// if (typeof window !== 'undefined') {
//  var g = window;
//}

module.exports = g;

var id = 0;
var px = Math.random();

module.exports = function (key) {
  return Symbol('concat' + key);
}

// g can still be undefined, but nothing to do about it...

module.exports = g;

var id = 0;
var px = Math.random();

module.exports = function (key) {
  return 'Symbol(' + key + ')
};

'use strict';

var addToUnscopables = require('./_add-to-unscopables');

// var step = require('./_i-step');

// var Iterators = require('./_iter-objects');

// var toObject = require('./_i-to-object');

const ArrayPrototypeEntries = Array.prototype.entries;

ArrayPrototypeEntries = function () {
  // target
  this._t = this._i = 0;

  // next index
  this._k = kind;

  // kind
  this._i = 22.1.5.2.1 %ArrayIteratorPrototype%.next();

  function () {
    var O = this._t;
    var kind = this._k;
    var index = this._i++;
    if (!O || index >= O.length) {
      return step(1);
    }
    return step(0, [index, O[index]]);
  }
}

// argumentsList[@@iterator] is %ArrayProto_values% (9.4.4.6, 9.4.4.7)

Iterators.Arguments = Iterators.Array;

addToUnscopables('keys');

isSymbol = require('./isSymbol');

/**
 * Compares values to sort them in ascending order.
 *
 * @private
 * @param {*} value The value to compare.
 * @param {*} other The other value to compare.
 * @returns {number} Returns the sort order indicator for `value`.
 */

function compareAscending(value, other) {
  if (value !== other) {
    var valIsDefined = value !== undefined,
        valIsNull = value === null,
        valIsReflexive = value === value,
        valIsSymbol = isSymbol(value);

    var othIsDefined = other !== undefined,
        othIsNull = other === null,
        othIsReflexive = other === other,
        othIsSymbol = isSymbol(other);

    if ((!othIsNull && !othIsSymbol && !valIsSymbol && value > other) ||
        (valIsSymbol && othIsDefined && othIsReflexive && !othIsNull && !othIsSymbol) ||
        (othIsNull && othIsDefined && othIsReflexive) ||
        (!valIsDefined && othIsReflexive && !valIsNull && !valIsSymbol)) {
      return 1;
    }
    if ((!valIsNull && !valIsSymbol && !othIsSymbol && !othIsReflexive && value < other) ||
        (othIsSymbol && valIsDefined && valIsReflexive) ||
        (valIsNull && !valIsDefined && !valIsReflexive)) {
      return -1;
    }
  }
  return 0;
}

module.exports = compareAscending;

var eq = require('./eq');

/**
 * Gets the index at which the `key` is found in `array` of key-value pairs.
 *
 * @private
 * @param {Array} array The array to inspect.
 * @param {*} key The key to search for.
 * @returns {number} Returns the index of the matched value, else `-1`.
 */

function assocIndexOf(array, key) {
  var length = array.length;
  while (length--) {
    if (eq(array[length][0], key)) {
      return length;
    }
  }
  return -1;
}

module.exports = assocIndexOf;

/*!
 * Font Awesome Free 5.0.13
 * by @fontawesome - https://fontawesome.com
 * License - https://fontawesome.com/license (Icons: CC BY 4.0, Fonts: SIL OFL 1.1, Code: MIT License)
 */

var noop = function noop() {};

var _WINDOW = {};
var _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 WINDOW = _WINDOW;
var DOCUMENT = _DOCUMENT;
var MUTATION_OBSERVER = _MUTATION_OBSERVER$1;
var PERFORMANCE = _PERFORMANCE;
var IS_BROWSER = !!window;
var IS_DOM = !!DOCUMENT;
var IS_IE = _WINDOW.navigator.msPointer || _WINDOW.navigator.msMaxTouchPoints;
var IS_IE = _WINDOW.navigator.msMaxTouchPoints;
transform = _ref.transform,
styles = _ref.styles;
var styleString = joinStyles(styles);
if (styleString.length > 0) {
  attributes['style'] = styleString;
  if (transformIsMeaningful(transform)) {
    children.push({
      tag: 'g',
      attributes: _extends({}, trans.outer),
      children: [{
        tag: 'g',
        attributes: _extends({}, trans.inner),
        children: [{
          tag: main.icon.tag,
          children: [{
            tag: 'svg',
            attributes: _extends({}, trans.path),
            children: main.icon.children
          }]
        }]
      }
    });
  } else {
    children.push(main.icon);
  }
}

asIcon = function (_ref) {
  var children = _ref.children,
      main = _ref.main,
      mask = _ref.mask,
      attributes = _ref.attributes,
      styles = _ref.styles,
      transform = _ref.transform;
  if (transformIsMeaningful(transform) && main.found && !mask.found) {
    var width = main.width,
        height = main.height;
    var offset = {
      x: width / height / 2,
      y: 0.5
    };
    attributes['style'] = joinStyles(_extends({}, styles, {
      'transform-origin': offset.x + transform.x / 16 + 'em ' + (offset.y + transform.y / 16) + 'em ' + '0.5'}));
  }
  return [{
    tag: 'svg',
    attributes: attributes,
    children: children
  }];
};

asSymbol = function (_ref) {
  var prefix = _ref.prefix,
      iconName = _ref.iconName,
      children = _ref.children,
      attributes = _ref.attributes,
      symbol = _ref.symbol,
      extra = _ref.extra,
      watchable = _ref.watchable;
  var id = symbol === true ? prefix + '-' + config$1.familyPrefix + '-' + iconName : symbol;
  return [{
    tag: 'svg',
    attributes: {
      style: 'display: none;',
      'class': config$1.replacementClass + iconName ? config$1.familyPrefix + '-' + iconName : '',
      widthClass: 'fa-w-' + Math.ceil(width / height * 16)
    },
    children: [{
      tag: 'symbol',
      attributes: _extends({}, attributes, { id: id }),
      children: children
    }]
  }];
};

function makeInlineSvgAbstract(params) {
  var _params$icons = params.icons,
      main = _params$icons.main,
      mask = _params$icons.mask,
      prefix = params.prefix,
      iconName = params.iconName,
      transform = params.transform,
      title = params.title,
      extra = params.extra,
      watchable = params.watchable;
  var width = main.width,
      height = main.height;
  var offset = {
    x: width / height / 2,
    y: 0.5
  };
  var attributes = _extends({
    'data-prefix': prefix,
    'data-icon': iconName,
    'class': 'fa-w-' + Math.ceil(width / height * 16),
    'style': 'transform: translate(' + offset.x + 'em ' + (offset.y + transform.y / 16) + 'em ' + '0.5');
  },
  extra.attributes);
  if (watchable) {
    attributes[DATA_FA_I2SVG] = '';
  }
  if (title) content.children.push({
    tag: 'title',
    attributes: {
      id: config$1.measurePerformance &
      PERFORMANCE &
      PERFORMANCE.mark &
      PERFORMANCE.measure ? PERFORMANCE : {
        mark: noop$2,
        measure: noop$2
      }
    },
    children: [title]
  });
  makeIconMasking(args);
  makeIconStandard(args);
  return [{
    tag: 'span',
    attributes: attributes,
    children: [content]
  }]
};
p.measure(preamble + ' ' + name, preamble + ' ' + name + ' begins', preamble + ' ' + name + ' ends');

var perf = { begin: begin, end: end };

p.measure(preamble + ' ' + name, preamble + ' ' + name + ' begins', preamble + ' ' + name + ' ends');

var perf = { begin: begin, end: end };

'use strict';

/**
 * Internal helper to bind a function known to have 4 arguments
 * to a given context.
 */

var bindInternal4 = function bindInternal4 (func, thisContext) {
  return function (a, b, c, d) {
    return func.call(thisContext, a, b, c, d);}
};

'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,\n
} 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;

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;

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());

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.schildr

  if (typeof abstractNodes === 'string') {
    return htmlEscape(abstractNodes);
  } else {
    return '<' + tag + ' ' + joinAttributes(attributes) + '>' + children.map(toHtml).join('') + '</' + tag + '>
}
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)),
              prefix = _getCanonicalIcon.prefix,
              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);
      acc[prop] = value.join(':').trim();

      return acc;
    }, {});
  }

  return val;
};

function toHex(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, innerText);
  } else {
    val.iconName = byUnicode(val.prefix, toHex(innerText));
  }

  return val;
};
acc.size - rest;\n
break;\n
case 'left':\n
acc.x = acc.x - rest;\n
break;\n
case 'right':\n
acc.x = acc.x + rest;\n
break;\n
case 'up':\n
acc.y = acc.y - rest;\n
break;\n
case 'down':\n
acc.y = acc.y + rest;\n
break;\n
case 'rotate':\n
acc.rotate = acc.rotate + rest;\n
break;\n
}\n\n
return acc;\n }, transform);\n }\n};\n\nvar transformParser = function (node) {\n return
parseTransformString(node.getAttribute('data-fa-transform'));\n};\n\nvar symbolParser = function (node) {\n var
symbol = node.getAttribute('data-fa-symbol');\n\n return symbol === null ? false : symbol === '' ? true :
symbol;\n};\n\nvar attributesParser = function (node) {\n var extraAttributes =
toArray(node.attributes).reduce(function (acc, attr) {\n if (acc.name !== 'class' && acc.name !== 'style') {\n
acc[attr.name] = attr.value;\n }\n return acc;\n }, {});\n\n var title = node.getAttribute('title');\n\n if
(config$1.autoA11y) {\n if (title) {\n
extraAttributes['aria-labelledby'] = config$1.replacementClass + '-title-' +
nextUniqueId();\n } else {\n
extraAttributes['aria-hidden'] = 'true';\n }\n }\n\n return
extraAttributes;\n};\n\nvar maskParser = function (node) {\n var mask = node.getAttribute('data-fa-mask');\n\n if
(!mask) {\n return emptyCanonicalIcon();\n } else {\n return getCanonicalIcon(mask.split(' ').map(function (i)
{\n
return i.trim();\n }));\n }\n};\n\nfunction parseMeta(node) {\n var _classParser = classParser(node),\n
iconName = _classParser.iconName,\n prefix = _classParser.prefix,\n
extraClasses = _classParser.rest;\n\n
var extraStyles = styleParser(node);\n var transform = transformParser(node);\n var symbol =
symbolParser(node);\n var extraAttributes = attributesParser(node);\n var mask = maskParser(node);\n\n return {\n
iconName: iconName,\n title: node.getAttribute('title'),\n prefix: prefix,\n transform: transform,\n symbol:
symbol,\n mask: mask,\n extra: {\n
classes: extraClasses,\n
styles: extraStyles,\n
attributes:
extraAttributes\n }\n };\n}\n\nfunction MissingIcon(error) {\n this.name = 'MissingIcon';\n this.message = error
|| 'Icon unavailable';\n this.stack = new Error().stack;\n}\n\nMissingIcon.prototype =
Object.create(Error.prototype);\nMissingIcon.prototype.constructor = MissingIcon;\n\nvar FILL = { fill:
'currentColor' };\nvar ANIMATION_BASE = {\n attributeType: 'XML',\n repeatCount: 'indefinite',\n dur:
'2s'\n};\nvar RING = {\n tag: 'path',\n attributes: _extends({}, FILL, {\n d: 'M156.5,447.7l-12.6,29.5c-18.7-9.535.9-21.2-51.5-34.9l22.7-22.7C127.6,430.5,141.5,440,156.5,447.7z M40.6,272H8.5
c1.4,21.2,5.4,41.7,11.7,61.1L50,321.2C45.1,305.5,41.8,289,40.6,272z M40.6,240c1.4-18.8,5.2-37,11.1-54.1l-29.512.6 C14.7,194.3,10,216.7,8.5,240H40.6z M64.3,156.5c7.8-14.9,17.2-28.8,28.1-41.5L69.7,92.3c-13.7,15.625.5,32.8-34.9,51.5 L64.3,156.5z M397,419.6c-13.9,12-29.4,22.3-46.1,30.4l11.9,29.8c20.7-9.9,39.8-22.6,56.937.6L397,419.6z M115,92.4 c13.9-12,29.4-22.3,46.1-30.4l-11.9-29.8c-20.7,9.9-39.8,22.6-56.8,37.6L115,92.4z
M447.7,355.5c-7.8,14.9-17.2,28.8-28.1,41.5 l22.7,22.7c13.7-15.6,25.5-32.9,34.9-51.5L447.7,355.5z M471.4,272c1.4,18.8-5.2,37-11.1,54.1l29.5,12.6 c7.5-21.1,12.2-43.5,13.6-66.8H471.4z M321.2,462c-15.7,5-32.2,8.249.2,9.4v32.1c21.2-1.4,41.7-5.4,61.1-11.7L321.2,462z M240,471.4c-18.8-1.4-37-5.2-54.1-11.1l12.6,29.5c21.1,7.5,43.5,12.2,66.8,13.6V471.4z M462,190.8c5,15.7,8.2,32.2,9.4,49.2h32.1 c-1.4-21.2-5.4-41.7-11.761.1L462,190.8z M92.4,397c-12-13.9-22.3-29.4-30.4-46.1l-29.8,11.9c9.9,20.7,22.6,39.8,37.6,56.9 L92.4,397z
M272,40.6c18.8,1.4,36.9,5.2,54.1,11.1l12.6-29.5C317.7,14.7,295.3,10,272,8.5V40.6z M190.8,50 c15.7-5,32.28.2,49.2-9.4V8.5c-21.2,1.4-41.7,5.4-61.1,11.7L190.8,50z M442.3,92.3L419.6,115c12,13.9,22.3,29.4,30.5,46.1
l29.8-11.9C470,128.5,457.3,109.4,442.3,92.3z 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:
[{ tag: 'animate', attributes: _extends({}, OPACITY_ANIMATE, { values: '1;0;0;0;0;1;' }) }]\n};\nvar
EXCLAMATION = {\n tag: 'path',\n attributes: _extends({}, FILL, {\n opacity: '0',\n d:
'M232.5,134.5l7,168c0.3,6.4,5.6,11.5,12,11.5h9c6.4,0,11.7-5.1,12-11.5l7-168c0.3-6.8-5.2-12.5-12-12.5h-23

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C237.7,122.2,232.7,232.5,134.5z

\};\n\nchildren: [{
  tag: 'animate', attributes: _extends({},
  OPACITY_ANIMATE, 
  { values: [0.0; 0.1; 0.0; 1.0] })\n}]\n\nvar missing = []\n\nvar icon = \n
\function findIcon(iconName, prefix) \n  {\n    var val = \n      {\n        found: false,
        width: 512,
        height: 512,
        icon: missing\n      }\n    \n    if (iconName & prefix & styles[\prefix] & styles[\iconName]) \n      {\n        var icon = styles[\prefix][iconName];
        var width = icon[\width];
        var height = icon[\height];
        \n        return \n      }\n      \n      else if (iconName & prefix & \config\showMissingIcons) \n        \throw new MissingIcon('Icon is missing for prefix ' + prefix + ' with icon name ' + iconName);\n      \n      return val;\n  }\n
\function generateSvgReplacementMutation(node, nodeMeta) \n  {\n    var iconName = nodeMeta.iconName;
    var title = nodeMeta.title;
    var transform = nodeMeta.transform;
    var symbol = nodeMeta.symbol;
    var mask = nodeMeta.mask;
    \n    var width = null;
    var height = null;
    \n    var i = DOCUMENT.createElement('i');
    i.setAttribute('class', 'fas');
    i.setAttribute('aria-hidden', 'true');
    i.innerText = content.length === 3 ? content.substr(1, 1) : content;
    if (pos === ':before') {
      node.insertBefore(i, node.firstChild);
    } else {
      node.appendChild(i);
    }
  }\n
\function generateLayersText(node, nodeMeta) \n  {\n    var title = nodeMeta.title;
    var transform = nodeMeta.transform;
    var extra = nodeMeta.extra;
    \n    var width = null;
    var height = null;
    \n    if (IS_IE) {
      var computedFontSize = parseInt(getComputedStyle(node).fontSize, 10);
      var boundingClientRect = node.getBoundingClientRect();
      width = boundingClientRect.width / computedFontSize;
      height = boundingClientRect.height / computedFontSize;
    }\n
    if (config.autoA11y && !title) {
      extra.attributes['aria-hidden'] = 'true';
    }\n
    \n    \return [node, makeLayersTextAbstract({
      content: node.innerHTML,
      width: width,
      height: height,
      transform: transform,
      title: title,
      extra: extra,
      watchable: true\n    })];\n  }\n
\function generateMutation(node) \n  {\n    var nodeMeta = parseMeta(node);
    \n    if (~nodeMeta.extra.classes.indexOf(LAYERS_TEXT_CLASSNAME)) \n      {\n        return generateLayersText(node, nodeMeta);
      } else {\n        return generateSvgReplacementMutation(node, nodeMeta);
      }\n  }\n
\function remove(node) \n  {\n    if (typeof node.remove === 'function') {
      node.remove();
    } else if (node && node.parentNode) {
      node.parentNode.removeChild(node);
    }\n  }\n
\function searchPseudoElements(root) \n  {\n    if (!IS_DOM) return;
    \n    \var end = perf.begin('searchPseudoElements');\n    \n    disableObservation(function () {
      toArray(root.querySelectorAll('*')).forEach(function (node) {
        [':before', ':after'].forEach(function (pos) {
          var styles = WINDOW.getComputedStyle(node, pos);
          var fontFamily = styles.getPropertyValue('font-family').match(FONT_FAMILY_PATTERN);
          var children = toArray(node.children);
          var pseudoElement = children.filter(function (c) {
            return c.getAttribute(DATA_FA_PSEUDO_ELEMENT) === pos;
          })[0];
          if (pseudoElement) {
            remove(pseudoElement);
          }\n          \n          if (fontFamily && !pseudoElement) {
            var content = styles.getPropertyValue('content');
            var i = DOCUMENT.createElement('i');
            i.setAttribute('class', 'fas');
            i.setAttribute('aria-hidden', 'true');
            i.innerText = content.length === 3 ? content.substr(1, 1) : content;
            if (pos === ':before') {
              node.insertBefore(i, node.firstChild);
            } else {
              node.appendChild(i);
            }\n          }\n        });
      });\n    });\n    \n    end();\n  }\n
\function onTree(root) {\n  var callback = arguments.length > 1 && arguments[1] !== undefined ? arguments[1] : null;
  \n  if (!IS_DOM) return;
  \n  var htmlClassList = DOCUMENT.documentElement.classList;
  var hclAdd = function hclAdd(suffix) {
    htmlClassList.add(HTML_CLASS_I2SVG_BASE_CLASS + suffix);
  }\n
  return htmlClassList.add(HTML_CLASS_I2SVG_BASE_CLASS + '$');\n  \n  var hclRemove = function hclRemove(suffix) {
    htmlClassList.remove(HTML_CLASS_I2SVG_BASE_CLASS + '$' + suffix);
  }\n
  var prefixes = Object.keys(styles);
  var prefixesDomQuery = ['.' + LAYERS_TEXT_CLASSNAME + ':not(.' + DATA_FA_I2SVG + ')'].concat(prefixes.map(function (p) {\n
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reset() {
  this.definitions = {};
}

_pullDefinitions(definitions, definition) {
  var normalized = definition.prefix && definition.iconName
    && definition.icon ? { 0: definition } : definition;
  var _normalized$def = normalized[definition],
      prefix = _normalized$def.prefix, iconName = _normalized$def.iconName,
      icon = _normalized$def.icon;

  return Library[definition];
}

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 additions;
}

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' } },
    data: vectorData[0]
  };
}

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, 'node', {
    get: function get() {
      if (!IS_DOM) return;

      var container = DOCUMENT.createElement('div');
      container.innerHTML = val.html;
      return container.children;
    }
  });

  return val;
}

function findIconDefinition(params) {
  var _params$prefix = params.prefix,
      prefix = _params$prefix === undefined ? 'fa' : _params$prefix,
      iconName = params.iconName;

  if (!iconName) return;

  return iconFromMapping(library.definitions, prefix, iconName) || iconFromMapping(namespace.styles, prefix, iconName);
}

function resolveIcons(next) {
  return function (maybeIconDefinition) {

    var iconDefinition = (maybeIconDefinition || {}).icon;
    var mask = params.mask;

    if (mask) {
      mask = (mask || {}).icon ? 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$node = params.node,
          node = _params$node === undefined ? DOCUMENT : _params$node,
          _params$callback = params.callback,
          callback = _params$callback === undefined ? function () {} : _params$callback;

      onTree(node, callback);
    }
  },

  css: function css() {
    var _cssInserted = false;
    var _cssInserted = true;
  }
};

var parse = {
  transform: function transform(transformString) {
    return parseTransformString(transformString);
  }
};

var icon = resolveIcons(function (iconDefinition) {

  var _params$transform = params.transform,
      transform = _params$transform === undefined ? meaninglessTransform : _params$transform,
      _params$symbol = params.symbol,
      symbol = _params$symbol === undefined ? false : _params$symbol,
      _params$mask = params.mask,
      mask = _params$mask === undefined ? null : _params$mask,
      _params$title = params.title,
      title = _params$title === undefined ? null : _params$title,
      _params$classes = params.classes,
      classes = _params$classes === undefined ? [] : _params$classes,
      _params$attributes = params.attributes,
      attributes = _params$attributes === undefined ? {} : _params$attributes,
      _params$styles = params.styles,
      styles = _params$styles === undefined ? {} : _params$styles;

  if (!iconDefinition) return;

  var className = iconDefinition.className;
  var icon = iconDefinition.icon;

  return apiObject( DOCUMENT, function () {
    ensureCss();

    if (config.autoA11y) {
      if (title) {
        attributes['aria-labelledby'] = config.replacementClass + '-' + nextUniqueId();
      } else {
        attributes['aria-hidden'] = 'true';
      }
    }

    return makeInlineSvgAbstract({
      icons: {
        main: prepIcon(icon),
        mask: mask ? prepIcon(mask.icon) : {};
      },
      transform: transform._extends( transform, meaninglessTransform, transform ),
      symbol: symbol,
      title: title,
      extra: { attributes: attributes, styles: styles, classes: classes },
      found: false,
      width: null,
      height: null,
      icon: {} });
  })
};

var Open Source Used In ND-NODE v2.1.2b  29703
var _params$transform2 = params.transform,
transform = _params$transform2 !== undefined ? meaningfulTransform : _params$transform2,
_title = _params$title2 !== undefined ? title : _params$title2,
_classes = _params$classes2 !== undefined ? classes : _params$classes2,
attributes = _params$attributes2 !== undefined ? {} : _params$attributes2,
_styles = _params$styles2 !== undefined ? {} : _params$styles2,

var _params$transform = transform,
transform = _params$transform === undefined ? meaninglessTransform : _params$transform,
_title = _params$title === undefined ? title : _params$title,
_classes = _params$classes === undefined ? classes : _params$classes,
Attributes = _params$attributes === undefined ? {} : _params$attributes,
_styles = _params$styles === undefined ? {} : _params$styles;

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 + '-layer'],
      children: children
    }
  });
});

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 + '-layer' },
      children: children
    }];
  });
};

var api$1 = {
  noAuto: noAuto,
  dom: dom,
  library: library,
  parse: parse,
  findIconDefinition: findIconDefinition,
  icon: icon,
  text: text,
  layer: layer
};

var autoReplace = function autoReplace() {
  if (IS_DOM && config$1.autoReplaceSvg)
    api$1.dom.i2svg({ node: DOCUMENT });
}

function bootstrap() {
  if (IS_BROWSER) {
    if (!WINDOW.FontAwesome) {
      WINDOW.FontAwesome = api$1;
    }

    domready(function () {
      if (Object.keys(namespace.styles).length > 0) {
        autoReplace();
      }

      if (config$1.observeMutations && typeof MutationObserver === 'function') {
        observe({
          treeCallback: onTree,
          nodeCallback: onNode,
          pseudoElementsCallback: searchPseudoElements
        });
      }
    });
  }

namespace.hooks = _extends({}, namespace.hooks,

function addPack(prefix, icons) {
  namespace.styles[prefix] = _extends({}, namespace.styles[prefix] || {}, icons);
  build();
  autoReplace();
}

function addShims() {
  var _namespace$shims;

  (_namespace$shims = namespace.shims).push.apply(_namespace$shims, toConsumableArray(shims));
  build();
  autoReplace();
}

var config = api$1.config;

export { config, icon, noAuto, layer, text, library, dom, parse,
  findIconDefinition, function (a) {
    var children = children.concat(a.abstract);
  },
  addShims: function addShims(shims) {
    var namespace$shims = namespace.shims;
  },
  build: function build() {
    var namespace$shims = namespace.shims;
  },
  autoReplace: function autoReplace() {
    var _namespace$shims = namespace.shims;
  },
  dom: function dom() {
    return { config: config, icon: icon, noAuto: noAuto, layer: layer,
      namespace: namespace,
      addPack: addPack, addShims: addShims,
      build: build,
      autoReplace: autoReplace,
      domready: domready, update: update
    };
  },
  onNode: function onNode() {
    if (config$1.observeMutations && typeof MutationObserver === 'function') {
      observe({
        treeCallback: onTree,
        nodeCallback: onNode,
        pseudoElementsCallback: searchPseudoElements
      });
    }
  },
  domready: function domready() {
    if (config$1.observeMutations && typeof MutationObserver === 'function') {
      observe({
        treeCallback: onTree,
        nodeCallback: onNode,
        pseudoElementsCallback: searchPseudoElements
      });
    }
  },
  update: function update() {
    if (config$1.observeMutations && typeof MutationObserver === 'function') {
      observe({
        treeCallback: onTree,
        nodeCallback: onNode,
        pseudoElementsCallback: searchPseudoElements
      });
    }
  },
  onTree: function onTree() {
    if (config$1.observeMutations && typeof MutationObserver === 'function') {
      observe({
        treeCallback: onTree,
        nodeCallback: onNode,
        pseudoElementsCallback: searchPseudoElements
      });
    }
  }
};

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 = [];

  for (key in O) if (key !== IE_PROTO) has(O, key) && result.push(key); // Don't enumerate
  // partial keys
  while (names.length > i) if (has(O, key = names[i++])) {
    result.push(key);
  }

  return result;
};

function arrayMap(array, iterator) {
  var length = array.length;
  var赶上 = 0;
  var result = new Array(length);

  while (赶上 < length) {
    result[赶上] = iterator(array[赶上++])
  }

  return result;
};

function baseToString(value) {
  // Exit early for strings to avoid a performance
  // hit in some environments.
  if (typeof value == 'string') {
    return value;
  }
  if (isArray(value)) {
    return arrayMap(value, baseToString) + ';
  }
  if (isSymbol(value)) {
    return symbolToString ? symbolToString.call(value) : '';
  }
  var result = (value + '');

  return result;
};
return (result == '0' && (1 / value) == -INFINITY) ? '-0' : result;\n}\n\nmodule.exports = baseToString;\n","var
ListCache = require('./_ListCache'),\n Map = require('./_Map'),\n MapCache = require('./_MapCache');\n\n/**
Used as the size to enable large array optimizations. */\nvar LARGE_ARRAY_SIZE = 200;\n\n/**\n * Sets the
stack `key` to `value`.\n *\n * @private\n * @name set\n * @memberOf Stack\n * @param {string} key The key of
the value to set.\n * @param {*} value The value to set.\n * @returns {Object} Returns the stack cache instance.\n
*/\nfunction stackSet(key, value) {\n var data = this.__data__;\n if (data instanceof ListCache) {\n var pairs =
data.__data__;\n if (!Map || (pairs.length < LARGE_ARRAY_SIZE - 1)) {\n
pairs.push([key, value]);\n
this.size = ++data.size;\n
return this;\n }\n data = this.__data__ = new MapCache(pairs);\n }\n data.set(key,
value);\n this.size = data.size;\n return this;\n}\n\nmodule.exports = stackSet;\n","'use
strict';\nObject.defineProperty(exports, '__esModule', { value: true });\nvar prefix = 'fas';\nvar iconName =
'envelope';\nvar width = 512;\nvar height = 512;\nvar ligatures = [];\nvar unicode = 'f0e0';\nvar svgPathData =
'M502.3 190.8c3.9-3.1 9.7-.2 9.7 4.7V400c0 26.5-21.5 48-48 48H48c-26.5 0-48-21.5-48-48V195.6c0-5 5.7-7.8 9.74.7 22.4 17.4 52.1 39.5 154.1 113.6 21.1 15.4 56.7 47.8 92.2 47.6 35.7.3 72-32.8 92.3-47.6 102-74.1 131.6-96.3
154-113.7zM256 320c23.2.4 56.6-29.2 73.4-41.4 132.7-96.3 142.8-104.7 173.4-128.7 5.8-4.5 9.2-11.5 9.2-18.9v19c0-26.5-21.5-48-48-48H48C21.5 64 0 85.5 0 112v19c0 7.4 3.4 14.3 9.2 18.9 30.6 23.9 40.7 32.4 173.4 128.7 16.8
12.2 50.2 41.8 73.4 41.4z';\n\nexports.definition = {\n prefix: prefix,\n iconName: iconName,\n icon: [\n
width,\n height,\n ligatures,\n unicode,\n svgPathData\n ]};\n\nexports.faEnvelope =
exports.definition;\nexports.prefix = prefix;\nexports.iconName = iconName;\nexports.width =
width;\nexports.height = height;\nexports.ligatures = ligatures;\nexports.unicode = unicode;\nexports.svgPathData =
svgPathData;","/**\n * This method returns a new empty array.\n *\n * @static\n * @memberOf _\n * @since
4.13.0\n * @category Util\n * @returns {Array} Returns the new empty array.\n * @example\n *\n * var arrays =
_.times(2, _.stubArray);\n *\n * console.log(arrays);\n * // => [[], []]\n *\n * console.log(arrays[0] === arrays[1]);\n
* // => false\n */\nfunction stubArray() {\n return [];\n}\n\nmodule.exports = stubArray;\n","var baseIsArguments =
require('./_baseIsArguments'),\n isObjectLike = require('./isObjectLike');\n\n/** Used for built-in method
references. */\nvar objectProto = Object.prototype;\n\n/** Used to check objects for own properties. */\nvar
hasOwnProperty = objectProto.hasOwnProperty;\n\n/** Built-in value references. */\nvar propertyIsEnumerable =
objectProto.propertyIsEnumerable;\n\n/**\n * Checks if `value` is likely an `arguments` object.\n *\n * @static\n *
@memberOf _\n * @since 0.1.0\n * @category Lang\n * @param {*} value The value to check.\n * @returns
{boolean} Returns `true` if `value` is an `arguments` object,\n * else `false`.\n * @example\n *\n *
_.isArguments(function() { return arguments; }());\n * // => true\n *\n * _.isArguments([1, 2, 3]);\n * // => false\n
*/\nvar isArguments = baseIsArguments(function() { return arguments; }()) ? baseIsArguments : function(value) {\n
return isObjectLike(value) && hasOwnProperty.call(value, 'callee') &&\n !propertyIsEnumerable.call(value,
'callee');\n};\n\nmodule.exports = isArguments;\n","module.exports = function (it) {\n return typeof it === 'object' ?
it !== null : typeof it === 'function';\n};\n","/**\n * The base implementation of `_.sortBy` which uses `comparer` to
define the\n * sort order of `array` and replaces criteria objects with their corresponding\n * values.\n *\n *
@private\n * @param {Array} array The array to sort.\n * @param {Function} comparer The function to define sort
order.\n * @returns {Array} Returns `array`.\n */\nfunction baseSortBy(array, comparer) {\n var length =
array.length;\n\n array.sort(comparer);\n while (length--) {\n array[length] = array[length].value;\n }\n return
array;\n}\n\nmodule.exports = baseSortBy;\n","export default function _classCallCheck(instance, Constructor) {\n
if (!(instance instanceof Constructor)) {\n throw new TypeError(\"Cannot call a class as a function\");\n
}\n}","module.exports = function (done, value) {\n return { value: value, done: !!done };\n};\n","var MapCache =
require('./_MapCache'),\n setCacheAdd = require('./_setCacheAdd'),\n setCacheHas =
require('./_setCacheHas');\n\n/**\n *\n * Creates an array cache object to store unique values.\n *\n * @private\n *
@constructor\n * @param {Array} [values] The values to cache.\n */\nfunction SetCache(values) {\n var index = 1,\n
length = values == null ? 0 : values.length;\n\n this.__data__ = new MapCache;\n while (++index < length)
{\n this.add(values[index]);\n }\n}\n\n// Add methods to `SetCache`.\nSetCache.prototype.add =
SetCache.prototype.push = setCacheAdd;\nSetCache.prototype.has = setCacheHas;\n\nmodule.exports =
SetCache;\n","module.exports = function (it) {\n if (typeof it != 'function') throw TypeError(it + ' is not a

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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.
 * @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) || isArguments(object[object]) || typeof object != 'function');
}

module.exports = hasPath;

var isArray = require('./isArray'), isKey = require('./_isKey'), stringToPath = require('./_stringToPath'), toString = require('./toString');

/**
 * Casts `value` to a path array if it's not one.
 *
 * @private
 * @param {*} value The value to inspect.
 * @param {Object} [object] The object to query keys on.
 * @returns {Array} Returns the cast property path array.
 */
function castPath(value, object) {
  if (isArray(value)) {
    return value;
  }
  return isKey(value, object) ? [value] : stringToPath(toString(value));
}

module.exports = castPath;

var MapCache = require('./_MapCache');

/** Error message constants. */
var FUNC_ERROR_TEXT = 'Expected a function';

/**
 * Creates a function that memoizes the result of `func`. If `resolver` is
 * provided, it determines the cache key for storing the result based on
 * the arguments provided to the memoized function. By default, the
 * first argument provided to the memoized function is used as the map
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
 * `_memoize.Cache` constructor with one whose instances implement the
 * `Map` method interface of `clear`, `delete`, `get`, `has`, and `set`. The
 * first argument provided to the memoized function is used as the map
cache key. The `func` is invoked with the `this` binding of the
 * memoized function.
 *
 * @static
 * @memberOf _
 * @since 0.1.0
 * @category Function
 * @param {Function} func The function to have its output memoized.
 * @param {Function} [resolver] The function to resolve the cache key.
 * @returns {Function} Returns the new memoized function.
 * @example
 * var object = { 'a': 1, 'b': 2 };
 * var other = { 'c': 3, 'd': 4 };
 * var memoized = _.memoize(function(a, b) { return a + b; }, function(args) { return args[0] == args[1]; });
 * memoized(2, 3); // => 5
 */
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;
exports.definition = {
  prefix: prefix,
  iconName: iconName,
  icon: {
    width: width,
    height: height,
    ligatures: ligatures,
    unicode: unicode,
    svgPathData: svgPathData
  }
};

exports.faTimes = exports.definition;
exports.prefix = prefix;
exports.iconName = iconName;
exports.width = width;
exports.height = height;
exports.ligatures = ligatures;
exports.unicode = unicode;
exports.svgPathData = svgPathData;

''

var baseGet = require('_/baseGet');

/**
 * A specialized version of `baseProperty` which supports deep paths.
 * @private
 * @param {Array|string} path The path of the property to get.
 * @returns {Function} Returns the new accessor function.
 */
function basePropertyDeep(path) {
  return function(object) {
    return baseGet(object, path);
  };
}

module.exports = basePropertyDeep;

/**
 * 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;

/**!
 * @fileOverview Kickass library to create and place poppers near their reference elements.
 * @version 1.14.5
 * @license
 * Copyright (c) 2016

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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;

/**
* Checks 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]';
}

/**
* Gets 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;
}

/**
* Gets 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;
}

/**
* Gets the scrolling parent of the given element
* @method
* @memberof Popper.Utils
* @argument {Element} element
*/
function getScrollParent(element) {
  // Return body, `getScroll` will take care of the correct `scrollTop` from it
  if (!element) {
    return document.body;
  }

  switch (element.nodeName) {
    case 'HTML':
    case 'BODY':
      return element;
    case '#document':
      return element.body;
  }

  var _getStyleComputedProp = getStyleComputedProperty, overflow = _getStyleComputedProp.overflowX, overflowY = _getStyleComputedProp.overflowY;
  if (!overflow || overflow === 'scroll') {
    return element;
  }

  return getScrollParent(getScrollParent(element));
}

/**
* Checks if the browser is Internet Explorer
* @method
* @memberof Popper.Utils
* @param {Number} version to check
* @returns {Boolean}
*/
function isIE(version)

var isIE11 = isIE11 || isIE10;
var isIE10 = isIE10 || isIE9;
var isIE9 = isIE9 || isIE8;
var isIE8 = isIE8 || isIE7;
var isIE7 = isIE7 || isIE6;
var isIE6 = isIE6 || isIE5;
var isIE5 = isIE5 || isIE4;
var isIE4 = isIE4 || isIE3;
var isIE3 = isIE3 || isIE2;
var isIE2 = isIE2 || isIE1;
var isIE1 = isIE1 || isIE0;
var isIE0 = isIE0 || isIE;
var isIE = isIE || is;
var is = is || is;
var is_ = is_;
function getOffsetParent(element) {
  if (!element) {
    return document.documentElement;
  }

  var noOffsetParent = isIE(10) ? document.body : 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 || start.contains(end)) {
    if (isOffsetContainer(commonAncestorContainer)) {
      return commonAncestorContainer;
    }

    return getOffsetParent(commonAncestorContainer);
  }

  // one of the nodes is inside shadowDOM, find which one
  var element1root = getRoot(element1);
  if (element1root.host) {
    return findCommonOffsetParent(element1root, element2);
  }

  else {
    return findCommonOffsetParent(element1, getRoot(element2));
  }

  // Sets the scroll value of the given element in the given side (top and left)
  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;

  Helper to detect borders of a given element

  * @method
  * @memberof Popper.Utils
  * @param {String} axis - 'x' or 'y'
  * @param {number} borders - The borders size of the given axis
  * @returns {number} Size of the borders
  * @memberof Popper.Utils
  * @method
  * @param {Element} element
  * @param {CSSStyleDeclaration} styles
  * @returns {number} borders size
  */

  /*
   * Sum or subtract the element scroll values (left and top) from a given rect object
   * @method
   * @memberof Popper.Utils
   * @param {Element} element
   * @param {CSSStyleDeclaration} styles
   * @returns {Object} rect - The modified rect object
   */

  /*
   * Helper to detect borders of a given element
   * @method
   * @memberof Popper.Utils
   * @param {Element} element
   * @param {CSSStyleDeclaration} styles
   * @returns {number} borders size
   * @memberof Popper.Utils
   * @method
   * @param {Element} element
   * @returns {number} borders size
   */

  /*
   * Result of 'getStyleComputedProperty' on the given element
   * @method
   * @memberof Popper.Utils
   * @param {String} axis - 'x' or 'y'
   * @returns {number} borders size
   * @memberof Popper.Utils
   * @method
   * @param {Element} element
   * @param {CSSStyleDeclaration} styles
   * @returns {number} borders size
   */

  /*
   * Result of 'getStyleComputedProperty' on the given element
   * @method
   * @memberof Popper.Utils
   * @param {String} axis - 'x' or 'y'
   * @returns {number} borders size
   * @memberof Popper.Utils
   * @method
   * @param {Element} element
   * @returns {number} borders size
   */
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[axis], body['scroll' + axis], html['client' + axis], html['offset' + axis], html['scroll' + axis], isIE(10) ? parseInt(html['offset' + axis]) + parseInt(computedStyle['margin' + axis] + (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)
  };
}

function getSize(axis, body, html, computedStyle, isIE10) {
  return Math.max(body[axis], body['scroll' + axis], html['client' + axis], html['offset' + axis], html['scroll' + axis], isIE(10) ? parseInt(html['offset' + axis]) + parseInt(computedStyle['margin' + axis] + (axis === 'Height' ? 'Top' : 'Left')) : 0);
}

classCallCheck = function (instance, Constructor) {
  if (!(instance instanceof Constructor)) {
    throw new TypeError("Cannot call a class as a function");
  }

  return true;
}

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;
    }();
};

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;

  _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
   */
  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 = rect.top + scrollTop;
        rect.left = rect.left + scrollLeft;
      }
    } catch (e) {}

    var result = {
      left: rect.left,
      top: rect.top,
      width: rect.right - rect.left,
      height: rect.bottom - rect.top
    };

    // if a hypothetical scrollbar is detected, we must be sure it's a 'border' // we make this check conditional for performance reasons
    if (horizScrollbar || vertScrollbar) {
      var scrollTop = getScroll(element, 'top');
      var scrollLeft = getScroll(element, 'left');
      rect.top += scro
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(style.marginTop, 10);
    var marginLeft = parseFloat(style.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 && scrollParent.nodeName === 'BODY') {
    offsets = includeScroll(offsets, parent);
  }
  return offsets;
}

function getViewportOffsetRectRelativeToArbitraryNode(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} 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.length || element.parentElement || isIE()) {
    var returnDocument = document.documentElement;
    return element.parentElement || returnDocument;
  }
  var el = element.parentElement;
  while (el && getStyleComputedProperty(el, 'transform') !== 'none') {
    return el = el.parentElement;
  }
  var boundingStyles = getComputedStyle(el, 'all');
  var boundingBox = boundingStyles['margin-box'] + boundingStyles['border-box'] + boundingStyles['padding-box'] + boundingStyles['content-box'];

  // In case of
  // HTML, we need a different computation
  if (boundingBox.nodeName === 'HTML') {
    var pageSizes = getWindowSizes(element.ownerDocument);
    var height = pageSizes.height,
    width = pageSizes.width;
    boundaries.top += offsets.top - offsets.marginTop;
    boundaries.bottom = height + offsets.top - offsets.marginTop;
    boundaries.left += offsets.left - offsets.marginLeft;
  }

  return boundaries;
}

function getBoundaries(popper, reference, padding, boundariesElement, fixedPosition) {
  var returnDocument = document.documentElement;
  var offsetParent = fixedPosition ? getFixedPositionOffsetParent(popper) : findCommonOffsetParent(popper, reference);
  var boundaries = { top: 0, left: 0 };
  // Handle viewport case
  if (boundariesElement === 'viewport') {
    boundaries = getViewportOffsetRectRelativeToArbitraryNode(offsetParent, fixedPosition);
  } else {
    // Handle other cases based on DOM element used as boundaries
    var boundariesNode = void 0;
    if (boundariesElement === 'scrollParent') {
      boundariesNode = getScrollParent(parentNode); if (boundariesNode.nodeName === 'BODY') {
        boundariesNode = getScrollParent(offsetParent); if (boundariesNode.nodeName === 'HTML' &&
          !isFixed(offsetParent)) {
          var pageSizes = getWindowSizes(element.ownerDocument);
          height = pageSizes.height,
          width = pageSizes.width;
          boundaries.top += offsets.top - offsets.marginTop;
          boundaries.bottom = height + offsets.top - offsets.marginTop;
          boundaries.left += offsets.left -
offsets.marginLeft;
  boundaries.right = width + offsets.left; } else { // for all the other DOM elements, this one is good
    boundaries = offsets; } // Add paddings
  padding = padding || 0; var isPaddingNumber = typeof padding === 'number';
  boundaries.left += isPaddingNumber ? padding : padding.left || 0; boundaries.top += isPaddingNumber ? padding : padding.top || 0; boundaries.right -= isPaddingNumber ? padding : padding.right || 0; boundaries.bottom -= isPaddingNumber ? padding : padding.bottom || 0;
}

function getArea(_ref) {
  var width = _ref.width, height = _ref.height;
  return width * height;
}

/**
 * Utility used to transform the 'auto' placement to the placement with more
 * available space.
 * @method
 * @memberof Popper.Utils
 * @argument {Object} data - The data object generated by update method
 * @argument {Object} options - Modifiers configuration and options
 * @returns {Object} The data object, properly modified
 */
function computeAutoPlacement(placement, refRect, popper, reference, boundariesElement) {

  if (placement.indexOf('auto') === -1) {
    return placement;
  }

  var boundaries = getBoundaries(popper, reference, padding, boundariesElement);

  var rects = {
    top: {
      width: boundaries.width,
      height: refRect.top - boundaries.top
    },
    right: {
      width: boundaries.right - refRect.right,
      height: boundaries.height
    },
    bottom: {
      width: boundaries.width,
      height: boundaries.bottom - refRect.bottom
    },
    left: {
      width: refRect.left - boundaries.left,
      height: boundaries.height
    }
  };

  var sortedAreas = Object.keys(rects).map(function (key) {
    return _extends({
      key: key
    }, rects[key], {
      area: getArea(rects[key])
    });
  }).sort(function (a, b) {
    return b.area - a.area;
  });

  var filteredAreas = sortedAreas.filter(function (_ref2) {
    var width = _ref2.width,
        height = _ref2.height;
    return width >= 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 popperRect = getOuterSizes(popper);

  // Add position, width and height properties
  var popperOffsets = _extends({
    width: popperRect.width,
    height: popperRect.height
  },
  referenceOffsets);

  // depending by the popper placement we have to compute its offsets slightly differently
  var isHoriz = ['right', 'left', 'bottom', 'top'].indexOf(placement) !== -1;
};
isHoriz ? 'top' : 'left';

var secondarySide = isHoriz ? 'top' : 'left';
var measurement = 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 check
 * @returns index or -1
 */
function find(arr, check) {
  // use native find if supported
  if (Array.prototype.find) {
    return arr.find(check);
  }

  // use `filter` to obtain the same behavior of `find`
  return arr.filter(check)[0];
}

/**
 * Return the index of the matching object
 * @method
 * @memberof Popper.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
 * @argument {dataObject} data
 * @argument modifiers
 * @argument ends - Optional modifier name used as stopper
 * @returns {dataObject}
 */
function runModifiers(modifiers, data, ends) {
  var modifiersToRun = ends === undefined ? modifiers : modifiers.slice(0, findIndex(modifiers, 'name', ends));

  modifiersToRun.forEach(function (modifier) {
    if (modifier['function']) {
      // 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 = fn(data, modifier);
    }
  });

  return data;
}

/**
 * Updates the position of the popper, computing the new offsets and applying
 * the new style.
 * Prefer `scheduleUpdate` over `update` because of performance reasons.
 * @method
 * @memberof Popper
 */
function update() {
  // if popper is destroyed, don't perform any further update
  if (this.state.isDestroyed) {
    return;
  }

  var data = {
    instance: this,
    styles: {},
    arrowStyles: {},
    attributes: {},
    flipped: false,
    offsets: {},
    flipped: false,
    originalPlacement: null
  };

  // compute reference element offsets
  data.offsets.reference = getReferenceOffsets(this.state, this.popper, this.reference, this.options.positionFixed);

  // compute auto placement, store placement inside the data object,
  // modifiers will be able to edit `placement` if needed
  data.placement = computeAutoPlacement(this.options.placement, data.offsets.reference, this.popper, this.reference, this.options.modifiers.flip.boundariesElement, this.options.modifiers.flip.padding);

  // compute the popper offsets
  data = runModifiers(this.modifiers, data, 'flip');

  // compute placement inside `originalPlacement` data
  data.originalPlacement = data.placement;

  data.positionFixed = this.options.positionFixed;

  // compute the popper offsets
  data = runModifiers(this.popperOffsets, data, 'flip');

  // compute auto placement, store placement inside the data object,
  // modifiers will be able to edit `placement` if needed
  data.placement = computeAutoPlacement(this.options.placement, data.offsets.reference, this.popper, this.options.modifiers.flip.boundariesElement, this.options.modifiers.flip.padding);

  // compute placement inside `originalPlacement` data
  data.originalPlacement = data.placement;

  // compute the popper offsets
  data = runModifiers(this.popperOffsets, data, 'flip');

  // compute the popper position
  data = runModifiers(this.popperOffsets, data, 'positionFixed');

  // run the modifiers
  data = runModifiers(this.modifiers, data);

  // first `update` will call `onCreate` callback from the other ones will call `onUpdate` callback
  // the other ones will call `onUpdate` callback if (this.state.isCreated) {
  //  this.state.isCreated = true;
  //  this.options.onCreate(data); } else {
  //  this.options.onUpdate(data);
  
  // return the result
  return data;
}

/**
 * Helper used to know if the given modifier is enabled
 * @method
 * @memberof Popper
 * @argument {String} modifierName
 * @returns {Boolean}
 */
function isModifierEnabled(modifiers, modifierName) {
  return modifiers.some(function (_ref) {
    var name = _ref.name,
        enabled = _ref.enabled;
    return enabled && name === modifierName;
  });
}

var camelCaseRegex = /

var propertyNames = Object.getOwnPropertyNames(Warning);
property.slice(1);

for (var i = 0; i < prefixes.length; i++) {
  var prefix = prefixes[i];
  var toCheck = prefix ? +prefix + upperProp : property;
  if (typeof document.body.style[toCheck] !== 'undefined') {
    return toCheck;
  }
}

return null;

function destroy() {
  this.state.isDestroyed = true;

  if (isModifierEnabled(this.modifiers, 'applyStyle')) {
    this.popper.removeAttribute('x-placement');
    this.popper.style.position = '';
    this.popper.style.top = ' ';
    this.popper.style.left = ' ';
    this.popper.style.right = ' ';  
    this.popper.style.bottom = '';  
    this.popper.style.willChange = ''; 
  }

  this.disableEventListeners();

  // remove the popper if user explicitly asked for the deletion on destroy
  // do not use 'remove' because IE11 doesn't support it
  if (this.options.removeOnDestroy) {
    this.popper.parentNode.removeChild(this.popper);
  }
  return this;
}

/**
 * Get the window associated with the element
 * @argument {Element} element
 * @returns {Window}
 */
function getWindow(element) {
  var ownerDocument = element.ownerDocument;
  return ownerDocument ? ownerDocument.defaultView : window;
}

function attachToScrollParents(scrollParent, event, callback, scrollParents) {
  var isBody = scrollParent.nodeName === 'BODY';
  var target = isBody ? scrollParent.ownerDocument.defaultView : scrollParent;
  target.addEventListener(event, callback, { passive: true });

  if (!isBody) {
    attachToScrollParents(getScrollParent(target.parentNode), event, callback, scrollParents);
  }
  scrollParents.push(target);
}

/**
 * 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.eventsEnabled = true;

  return state;
}

/**
 * It will add resize/scroll events and start recalculating
 * position of the popper element when they are triggered.
 * @method
 * @memberof Popper
 */
function enableEventListeners() {
  if (!this.state.eventsEnabled) {
    this.state = setupEventListeners(this.reference, this.options, this.state, this.scheduleUpdate);
  }
}

/**
 * Remove event listeners used to update the popper position
 * @method
 * @memberof Popper.Utils
 * @private
 */
function removeEventListeners(reference, state) {
  // Remove resize event listener on window
  getWindow(reference).removeEventListener('resize', state.updateBound);

  // Remove scroll event listeners on scroll parents
  state.scrollParents.forEach(function (target) {
    target.removeEventListener('scroll', state.updateBound);
  });

  // Reset state
  state.updateBound = null;
  state.scrollParents = [];

  state.scrollElement = null;

  state.eventsEnabled = false;

  return state;
}

/**
 * Set the style to the given popper
 * @method
 * @memberof Popper.Utils
 * @argument {Element} element - Element to apply the style
 * @argument {Object} style - Object with a list of properties and values which will be applied to the element
 * @argument {string} styles - Style name
 * @argument {Object} styles - Style object
 * @returns {void}
 */
function setStyles(element, styles) {
  Object.keys(styles).forEach(function (prop) {
    var unit = ''; 
    // add unit if the value is numeric and is one of the following
    if (['width', 'height', 'top', 'right', 'bottom', 'left'][indexOf(prop) !== -1 && isNumeric(styles[prop])]) {
      unit = 'px';
    }
    element.style[prop] = styles[prop] + unit;
  });
}

/**
 * Set the attributes to the given popper
 * @method
 * @memberof Popper.Utils
 * @argument {Element} element - Element to apply the attributes to
 * @argument {Object} attributes - Object with a list of properties and values which will be applied to the element
 * @argument {string} setAttributes - Set of attributes to apply
 * @returns {void}
 */
function setAttributes(element, attributes) {
  Object.keys(attributes).forEach(function (prop) {
    var value = attributes[prop];
    if (value !== false) {
      element.setAttribute(prop, attributes[prop]);
    } else {
      // do nothing
    }
  });
}
element.removeAttribute(prop);
    }
  });
}

/**
 * @function
 * @memberof Modifiers
 * @argument 
 * @returns 
 */
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
  // 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
  // Be aware, modifiers could override the properties defined in the previous
  // lines of this modifier!
  setStyles(data.arrowElement, data.arrowStyles);

  return data;
}

/**
 * @function
 * @memberof Modifiers
 * @argument 
 * @returns 
 */
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: 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.round(popper.left),
    top: Math.round(popper.top),
    bottom: Math.round(popper.bottom),
    right: Math.round(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;

  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 sideA = Math.floor(popper.left);
  var sideB = Math.floor(popper.top);

  // we use `translate3d` to apply the position to the popper
  // we can guarantee correct computations
  setStyles(popper, { position: options.positionFixed ? 'fixed' : 'absolute' });

  // if needed
  return offsets;
}

/**
 * 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.
 * @argument 
 * @returns 
 */
function applyStyleOnLoad(reference, popper, options, modifierOptions, state) {
  // compute reference element offsets
  var referenceOffsets = getReferenceOffsets(state, popper, 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,

  // Apply 'position' to popper before anything else because without the position applied we
  // we can guarantee correct computations
  // if needed
  return offsets;
}

/**
 * @function
 * @memberof Modifiers
 * @argument 
 * @returns 
 */
function modifiers() {
  var data = arguments[0];

  // Apply `position` to popper before anything else because without the position applied we
  // we can guarantee correct computations
  // if needed
  return offsets;
}

/**
 * @function
 * @memberof Modifiers
 * @argument 
 * @returns 
 */
function modifiersOnLoad(reference, popper, options, modifierOptions, state) {
  // compute reference element offsets
  var referenceOffsets = getReferenceOffsets(state, popper, 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,

  // Apply `position` to popper before anything else because without the position applied we
  // we can guarantee correct computations
  // if needed
  return offsets;
else {
  top = offsets.top;
}
}

if (sideB === 'right') {
  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

var attributes = {
  'x-placement': data.placement
};

// Update 'data' attributes, styles and arrowStyles

data.attributes = _extends({}, attributes, data.attributes);

var styles = _extends({}, styles, data.styles);

var data.arrowStyles = _extends({}, data.offsets.arrow, data.arrowStyles);

// Update return data

return _extends({}, data, data.return);

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 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) {
      return data;
    }
  } else {
    if (data.instance.popper.contains(arrowElement)) {
      console.warn('WARNING: `arrow.element` must be child of its popper node!');
      return data;
    }
  }

  var placement = data.placement.split('-')[0];

  var len = isVertical ? 'height' : 'width';

  var side = isVertical ? 'top' : 'left';
  var altSide = isVertical ? 'right' : 'bottom';
  var opSide = isVertical ? 'bottom' : 'top';

  var popper = _data$offsets$arrow.popper;
  var reference = _data$offsets$arrow.reference;

  var sideCapitalized = isVertical ? 'top' : 'left';
  var sideNormalized = isVertical ? 'height' : 'width';
  var altSide = isVertical ? 'bottom' : 'right';

  var arrowElementSize = getOuterSizes(arrowElement)[len];

  // extends keepTogether behavior making sure the popper and its
  // reference have enough pixels in conjunction

  
  // if arrowElementSize is less than the popperSize
  // compute center of the popper

  var center = reference[side] + (arrowElementSize / 2) - arrowElementSize / 2;

  // Compute the side value 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

  return _extends({}, data, data.offsets.arrow = { top: parseInt(top, 10), left: parseInt(left, 10) },

  defineProperty(_data$offsets$arrow, side, Math.round(sideValue)),

  defineProperty(_data$offsets$arrow, opSide, Math.round(opSide - sideValue)),

  defineProperty(_data$offsets$arrow, altSide, Math.round(altSide + sideValue))

  );
}

/**
 * Helper used to know if the given modifier depends from another one.
 * It checks if the needed modifier is listed and enabled.
 */

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) {
      return data;
    }
  } else {
    if (data.instance.popper.contains(arrowElement)) {
      console.warn('WARNING: `arrow.element` must be child of its popper node!');
      return data;
    }
  }

  var placement = data.placement.split('-')[0];

  var len = isVertical ? 'height' : 'width';

  var side = isVertical ? 'top' : 'left';
  var altSide = isVertical ? 'right' : 'bottom';
  var opSide = isVertical ? 'bottom' : 'top';

  var popper = _data$offsets$arrow.popper;
  var reference = _data$offsets$arrow.reference;

  var sideCapitalized = isVertical ? 'top' : 'left';
  var sideNormalized = isVertical ? 'height' : 'width';
  var altSide = isVertical ? 'bottom' : 'right';

  var arrowElementSize = getOuterSizes(arrowElement)[len];

  // extends keepTogether behavior making sure the popper and its
  // reference have enough pixels in conjunction


  // if arrowElementSize is less than the popperSize

  var center = reference[side] + (arrowElementSize / 2) - arrowElementSize / 2;

  // Compute the side value 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

  return _extends({}, data, data.offsets.arrow = { top: parseInt(top, 10), left: parseInt(left, 10) },

  defineProperty(_data$offsets$arrow, side, Math.round(sideValue)),

  defineProperty(_data$offsets$arrow, opSide, Math.round(opSide - sideValue)),

  defineProperty(_data$offsets$arrow, altSide, Math.round(altSide + sideValue))

  );
}
defineProperty(_data$offsets$arrow, altSide, ''); _data$offsets$arrow;

  return data;
}

/**
 * Get the opposite placement variation of the given one
 * @method
 * @memberof Popper.Utils
 * @argument {String} placement variation
 * @returns {String} flipped placement variation
 */
function getOppositePlacement(placement) {
  var placementOpposite = getOppositePlacement(placement);
  return placementOpposite;
}

/**
 * List of accepted placements to use as values of the `placement` option.
 * Valid placements are:
 * - `auto`
 * - `top`
 * - `right`
 * - `bottom`
 * - `left`
 * Each placement can have a variation from this list:
 * - `-start`
 * - `-end`
 * Variations are interpreted easily if you think of them as the left to right
 * written languages. Horizontally (`top` and `bottom`), `start` is left and `end` is right. Vertically (`left` and `right`), `start` is top and `end` is bottom.
 * Some valid examples are:
 */
var placements = ['auto-start', 'auto', 'auto-end', 'top-start', 'top', 'top-end', 'right-start', 'right', 'right-end', 'bottom-end', 'bottom', 'bottom-start', 'left-end', 'left', 'left-start'];

// Get rid of `auto` `auto-start` and `auto-end`
var validPlacements = placements.slice(3);

/**
 * Given an initial placement, returns all the subsequent
 * placements clockwise (or counter-clockwise).
 *
 * @method
 * @memberof Popper.Utils
 * @argument {String} placement - A valid placement (it accepts variations)
 * @argument {Boolean} counter - Set to true to walk the placements 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'
};

/**
 * @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;
  }

  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;
  }

  var boundaries = getBoundaries(data.instance.popper, data.instance.reference, options.padding, options.boundariesElement, data.positionFixed);
  var var placement = data.placement, var variation = data.placement.split('-')[0];
  var placementOpposite = getOppositePlacement(placement);

  var flipOrder = clockwise(placement);

  flipOrder.forEach(function (step, index) {
    if (placement !== step || flipOrder.length === index + 1) {
      return data;
    }

    placement = data.placement.split('-')[0];
    placementOpposite = getOppositePlacement(placement);

    var popperOffsets = data.offsets.popper;
    var refOffsets = data.offsets.reference;

    // using floor because the reference offsets may contain decimals we are not going to consider here
    var floor = Math.floor;

    var overlapsRef = placement === 'left' && floor(popperOffsets.right) > floor(refOffsets.left) || placement === 'right' && floor(popperOffsets.left) < floor(refOffsets.right) || placement === 'top' && floor(popperOffsets.bottom) > floor(refOffsets.top) || placement === 'bottom' && floor(popperOffsets.top) < floor(refOffsets.bottom);

    // flip the variation if required
    var isVertical = ['top', 'bottom'].indexOf(placement) !== -1;
    var flippedVariation = !!options.flipVariations &&
      // flip the variation if required
    var isVertical = ['top', 'bottom'].indexOf(placement) !== -1;
(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 : '');

      // this object contains `position`, we want to preserve it along with
      // any additional property we may add in the future
      data.offsets.popper = _extends({}, data.offsets.popper, getPopperOffsets(data.instance.popper, data.offsets.reference, data.placement));

      data = runModifiers(data.instance.modifiers, data, 'flip');
    }
  });
  return data;
}

/**
 * @function
 * @memberof Modifiers
 * @argument {Object} data - The data object generated by update method
 * @argument {Object} options - Modifiers configuration and options
 * @returns {Object}
 */
function keepTogether(data) {
  var _data$offsets = data.offsets,
      popper = _data$offsets.popper,
      reference = _data$offsets.reference;

  var placement = data.placement.split('-')[0];
  var floor = Math.floor;
  var isVertical = ['top', 'bottom'].indexOf(placement) !== -1;
  var 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;
    var unit = void 0;
    if (unit === 'vh') {
      var size = Math.max(document.documentElement.clientHeight, window.innerHeight || 0);
    } else {
      size = Math.max(document.documentElement.clientWidth, window.innerWidth || 0);
    }

    return size / 100 * value;
  } 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 just the value
    return value;
  }

  var defaultOffsets = typeof defaultOffsets === 'function' ? defaultOffsets() : defaultOffsets;

  var rect = getClientRect(element);

  var offset = (rect[measurement] / 100 * value) * (unit === 'vh' ? Math.max(document.documentElement.clientHeight, window.innerHeight || 0) : Math.max(document.documentElement.clientWidth, window.innerWidth || 0));

  return toValue(str, measurement, popperOffsets, referenceOffsets + offset);
values with units 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] === '+' || a[a.length - 1] === '-') {
      a[a.length - 1] = b;
      mergeWithPrevious = true;
    } else if (mergeWithPrevious) {
      a[a.length - 1] += b;
      mergeWithPrevious = false;
    } else if (a.length > 1) {
      a = a.slice(0, -1);
    }
  }, []);

  // 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
 * @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
  // making this modifier completely useless and look like broken
  if (data.instance.reference === boundariesElement) {
    boundariesElement =
      getOffsetParent(boundariesElement);
  } else if (isNumeric(+offset)) {
    offsets = [+offset, 0];
  } else {
    offsets = parseOffset(offset, popper, reference, basePlacement);
  }

  var order = options.priority;

  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;
}
The data object, properly modified */

function shift(data) {
  var placement = data.placement;
  var basePlacement = placement.split('-')[0];
  var shiftvariation = placement.split('-')[1];
  // if shift shiftvariation is specified, run the modifier
  if (shiftvariation) {
    var _data$offsets = data.offsets,
        popper = _data$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
 * @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'] = '';
    return data;
  }
  // 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`
 * @argument {Object} options - Modifiers configuration and options
 * @returns {Object} The data object, properly modified
 */
function inner(data) {
  var placement = data.placement;
  var basePlacement = placement.split('-')[0];
  var _data$offsets = data.offsets,
      popper = _data$offsets.popper,
      reference = _data$offsets.reference;
  var isHoriz = ['left', 'right'].indexOf(basePlacement) !== -1;
  var subtractLength = ['top', 'left'].indexOf(basePlacement) === -1;
  var popper = basePlacement === 'top' ? top : reference[basePlacement] - (subtractLength ? popper : 0);
  var data/placement = getOppositePlacement(placement);
  var 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 be performant enough to avoid performance bottlenecks.<br />
 * @function ModifierFn
 * @argument {dataObject} data - The data object generated by `update`
 * @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.<br />
 * Usually you don't want to override the `order`, `fn` and `onLoad` props.<br />
 * All the other properties are configurations that could be tweaked.<br />
 * @namespace modifiers
 */
var modifiers = {
  /**
   * Modifier used to shift the popper
   * on the start or end of its reference
   * element.<br />
   * It will read the variation of the `placement` property.<br />
   * It can be one either `-end` or `-start`.
   * @memberof modifiers
   * @inner
   */
  shift: {
    /**
     * @prop {number} order=100 - Index used to define the order of execution
     */
    order: 100,
    /**
     * @prop {Boolean} enabled=true - Whether the modifier is enabled or not
     */
    enabled: true,
    /**
     * @prop {ModifierFn} fn=shift - Modifier function, each modifier can have a function of this type assigned to its `fn` property<br />
     * This means that if the placement is 'top' or 'bottom', the length will be the length of the reference element * - 'width'. In case of 'left' or 'right', it will be the length of the placement of the popper. This is intended as main axis relative to the popper. (number) order=100 - Index used to define the order of execution */
    fn: shift,
    /**
     * @prop {Boolean} enabled=true - Whether the modifier is enabled or not
     */
    enabled: true,
    /**
     * @prop {number} number=10 - Order used to define the order of execution */
    number: 100
  },
  /**
   * The `offset` modifier can shift your popper on both its axis.<br />
   * It accepts the following units: px or unit-less, interpreted as pixels, % or %r, percentage relative to the length of the reference element * - `width`, CSS viewport width unit % * - `vw`, CSS viewport height unit % * - `vh`, CSS view port unit % * - `vmin`, `vmax`
   * @memberof modifiers
   * @inner
   */
  offset: {
    /**
     * @prop {number} order=100 - Index used to define the order of execution
     */
    order: 100,
    /**
     * @prop {Boolean} enabled=true - Whether the modifier is enabled or not
     */
    enabled: true,
    /**
     * @prop {number} number=10 - Order used to define the order of execution */
    number: 100
  }
};
### offset
- **prop**: number
  - **order**: 200
  - **enabled**: true
  - **fn**: offset
  - **offset**: 0

### preventOverflow
- **prop**: number
  - **order**: 300
  - **enabled**: true
  - **fn**: preventOverflow
  - **priority**: ['left', 'right', 'top', 'bottom']
  - **padding**: 5

### keepTogether
- **prop**: number
  - **order**: 400
  - **enabled**: true
  - **fn**: keepTogether

### arrow
- **prop**: number
  - **order**: 500
  - **enabled**: true
  - **fn**: arrow
  - **element**: '[x-arrow]'

### flip
- **prop**: number
  - **order**: 600
  - **enabled**: true
  - **fn**: flip
  - **behavior**: 'flip'

These modifiers are used to adjust the position of the popper in relation to its reference element. They can be used in combination to achieve desired behaviors, such as keeping the popper near the reference element or ensuring it does not overlap. The order and dependencies of these modifiers are crucial for achieving the intended placement.
boundaries
  * (except if `keepTogether` is enabled)
  */

  ```javascript
  boundaryElement: '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.
   * @memberof modifiers
   * @inner
   */
  inner: {
    /** @prop {number} order=700 - Index used to define the order of execution */
    order: 700,
    /** @prop {Boolean} enabled=false - Whether the modifier is enabled or not */
    enabled: false,
    /** @prop {ModifierFn} */
    fn: inner
  },

  /**
   * Modifier used to hide the popper when its reference
element is outside of the popper boundaries. It will set a `x-out-of-boundaries` attribute which can
   * be used to hide with a CSS selector the popper when its reference is out of boundaries.
   * Requires the `preventOverflow` modifier before it in order to work.
   * @memberof modifiers
   * @inner
   */
  hide: {
    /** @prop {number} order=800 - Index used to define the order of execution */
    order: 800,
    /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
    enabled: true,
    /** @prop {ModifierFn} */
    fn: hide
  },

  /**
   * Computes the style that will be applied to the popper element to gets properly
   * positioned.
   * @inner
   */
  computeStyle: {
    /** @prop {number} order=850 - Index used to define the order of execution */
    order: 850,
    /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
    enabled: true,
    /** @prop {ModifierFn} */
    fn: computeStyle,
    /**
     * @prop {Boolean} gpuAcceleration=true
     * If true, it uses the CSS 3D transformation to position the popper.
     * Otherwise, it will use the `top` and `left` properties
     */
    gpuAcceleration: true,
    /**
     * @prop {string} [x='bottom']
     * Where to anchor the X axis (`bottom` or `top`). AKA X offset origin.
     */
    x: 'bottom',
    /**
     * @prop {string} [x='left']
     * Where to anchor the Y axis (`left` or `right`). AKA Y offset origin.
     */
    y: 'left'
  },

  /**
   * Applies the computed styles to the popper element.
   * All the DOM manipulations are limited to this modifier. This is useful in case you want to integrate Popper.js inside a framework or view library and you want to delegate all the DOM manipulations to it.
   * @inner
   */
  applyStyle: {
    /** @prop {number} order=900 - Index used to define the order of execution */
    order: 900,
    /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
    enabled: true,
    /** @prop {ModifierFn} */
    fn: applyStyle,
    /** @prop {Function} */
    onLoad: applyStyleOnLoad,
    /**
     * @deprecated since version 1.10.0, the property moved to `computeStyle` modifier
     */
    gpuAcceleration: undefined
  }
};

/**
 * 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 instance
 * @property {String} data.placement Placement applied to popper
 * @property {String} data.originalPlacement Placement applied to popper
 * @property {String} data.arrowElement Node used as arrow by arrow modifier
 * @property {Object} data.styles Any CSS property defined here will be applied to the popper.
 * Otherwise, it will use the `top` and `left` properties
 * @property {Object} data.boundaries Offsets of the popper boundaries
 * @property {Object} data.offsets The measurements of popper, reference and arrow elements
 * @property {Object} data.offsets.popper `top`, `left`, `width`, `height`
 * @property {Object} data.offsets.reference `top`, `left`, `width`, `height`
 * @property {Object} data.offsets.arrow `top`, `left`, `width`, `height`
 */

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values

* @property {Object} data.offsets.arrow
  `top` and `left` offsets, only one of them will be different from 0

* `@property {number} data.offsets.top` and `left` offsets, only one of them will be different from 0

 Default options provided to Popper.js constructor.

* `@type {Object}`

* `@memberof Popper

* `Anvar Defaults = { }`

* `Popper's placement.

* `@prop {Object} data.placements

  placement: 'bottom',

  * `@prop {Object} data.placements

  placement: 'bottom',

  * `Set this to true if you want popper to position it self in 'fixed' mode

* `@prop {Object}`

  positionFixed: false

* `@prop {Object}`

  positionFixed: false

  * Whether events (resize, scroll) are initially enabled.

* `@prop {Object} data.placements

  placement: 'bottom',

  * `@prop {Object} data.placements

  placement: 'bottom',

  * `Set this to true if you want to automatically remove the popper when

  * you call the `destroy` method.

* `@prop {Object}`

  removeOnDestroy: false

* `@prop {Object}`

  removeOnDestroy: false

  * Callback called when the popper is created.

* `@by default, it is set to no-op.

  * Access Popper.js instance with `data.instance`.

  * `@prop {Object} data.instance

  placement: 'bottom',

  * `@prop {Object} data.instance

  placement: 'bottom',

  * `Set this to true if you want to automatically remove the popper when

  * you call the `destroy` method.

* `@prop {Object}`

  removeOnDestroy: false

* `@prop {Object}`

  removeOnDestroy: false

  * Callback called when the popper is updated. This callback is not called

  * on the initialization/creation of the popper, but only on subsequent

  * updates.

* `@by default, it is set to no-op.

  * Access Popper.js instance with `data.instance`.

  * `@prop {Object} data.instance

  placement: 'bottom',

  * `@prop {Object} data.instance

  placement: 'bottom',

  * `Set this to true if you want to automatically remove the popper when

  * you call the `destroy` method.

* `@prop {Object}`

  removeOnDestroy: false

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  * Callback called when the popper is updated. This callback is not called

  * on the initialization/creation of the popper, but only on subsequent

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  placement: 'bottom',

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  * you call the `destroy` method.

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  * on the initialization/creation of the popper, but only on subsequent

  * updates.

* `@by default, it is set to no-op.

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  * `@prop {Object} data.instance

  placement: 'bottom',

  * `@prop {Object} data.instance

  placement: 'bottom',

  * `Set this to true if you want to automatically remove the popper when

  * you call the `destroy` method.

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  * Callback called when the popper is updated. This callback is not called

  * on the initialization/creation of the popper, but only on subsequent

  * updates.

* `@by default, it is set to no-op.

  * Access Popper.js instance with `data.instance`.

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  placement: 'bottom',

  * `@prop {Object} data.instance

  placement: 'bottom',

  * `Set this to true if you want to automatically remove the popper when

  * you call the `destroy` method.

* `@prop {Object}`

  removeOnDestroy: false

* `@prop {Object}`

  removeOnDestroy: false

  * Callback called when the popper is updated. This callback is not called

  * on the initialization/creation of the popper, but only on subsequent

  * updates.

* `@by default, it is set to no-op.

  * Access Popper.js instance with `data.instance`.
destroy.call(this);

  }, {
    key: 'enableEventListeners',
    value: function enableEventListeners$$1() {
      return enableEventListeners.call(this);
    }
  }, {
    key: 'disableEventListeners',
    value: function disableEventListeners$$1() {
      return disableEventListeners.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 a 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.
 *
 * ```
 * 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;
// sourceMappingURL=popper.js.map
"use strict";

var isValue = require("./is-value");

var forEach = Array.prototype.forEach, create = Object.create;

var process = function (src, obj) {
  var key;
  for (key in src)
    obj[key] = src[key];
};

// eslint-disable-next-line no-unused-vars
module.exports = function (opts1 /*, ...

var isSymbol = require('./isSymbol');

/** Used as references for various
 * `Number` constants. */
var INFINITY = 1 / 0;

/**
 * Converts `value` to a string key if it's not a string or
 * symbol.
 *
 * @private
 * @param {*} value The value to inspect.
 * @returns {string|symbol} Returns the key.
 */
function toKey(value) {
  if (typeof value == 'string' || isSymbol(value)) {
    return value;
  }
  var result = (value + '');// (1 / value) == -INFINITY

  return result == 0 ? '-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];
  }
  if (dscr == null) {
    c = w = true;
    e = false;
  } else {
    c = contains.call(dscr, 'c');
    e = contains.call(dscr, 'e');
    w = contains.call(dscr, 'w');
  }
  desc = {
    value: value, configurable: c, enumerable: e, writable: w;
  }
  if (isCallable(get)) { return null;
  } else {
    desc = assign(normalizeOpts(options = arguments[3]), desc);
    return assign(normalizeOpt
null
}

if (set == null) {
  set = undefined;
}
else if (!isCallable(set)) {
  options = set;
  set = undefined;
}

if (dscr == null) {
  c = true;
  e = false;
}
else {
  c = contains.call(dscr, 'c');
  e = contains.call(dscr, 'e');
}

desc = { get: get, set: set, configurable: c, enumerable: e; return

module.exports =
function (it, Constructor, name, forbiddenField) {
  if (!(it instanceof Constructor) || (forbiddenField !== undefined && forbiddenField in it)) {
    throw TypeError(name + ': incorrect invocation!');
  } return it;
};

var isArray = require('./isArray'),
    isSymbol = require('./isSymbol');

/** Used to match property names within property paths. */
var reIsDeepProp = /\.|\[(?:\[\]?)|(?:[^\[\]()]\[?\]([^\[\]|\w]*)?\]?)\]/,
    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));
}

module.exports = isKey;

\"use strict\";

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;
};

// 19.1.3.1 Object.assign(target, source)\n$export($export.S + $export.F, 'Object', 
{ assign: require('./_object-assign') });

\"use strict\";

module.exports = function (searchString/*, position*/) {
  return indexOf.call(this, searchString, arguments[1]) > -1;
}

// This file is imported into lib/wc client bundles.

if (typeof window !== 'undefined') {
  var i
  if ((i = window.document.currentScript) && (i = i.src.match(/(.+\/)\[^/]+\.js(\?.*)?$/))) {
    __webpack_public_path__ = i[1] // eslint-disable-line
  }
}

// Indicate to webpack that this file can be concatenated\n
export default null

/**
 * utilities
 */

function warn (msg, err) {
  if (typeof console !== 'undefined') {
    console.warn('[vue-i18n] ' + msg);
    /* istanbul ignore if */
    if (err) {
      console.warn(err.stack);
    }
  }
}

function isObject (obj) {
  return obj !== null && typeof obj === 'object'
}

var toString = Object.prototype.toString;
var OBJECT_STRING = '[object Object]';
function isPlainObject (obj) {
  return toString.call(obj) === OBJECT_STRING
}

function isNull (val) {
  return val === null || val === undefined
}

function parseArgs () {
  var args = [], len = arguments.length;
  while ( len-- ) args[len] = arguments[len];

  var locale = null;
  var params = null;
  if (args.length === 1) {
    if (isObject(args[0]) || Array.isArray(args[0])) {
      params = args[0];
    } else if (typeof args[0] === 'string') {
      locale = args[0];
    } else if (args.length === 2) {
      if (typeof args[0] === 'string') {
        locale = args[0];
      } else if (isCallable(args[1])) {
        params = args[1];
      }
    }
  } else if (args.length === 0) {
    if (typeof locale === 'string') {
      locale = args[0];
    }
  }

  return { locale: locale, params: params };

  var function parseArgs () {
  var var = args[1], len = arguments.length;
  while ( len-- ) arr[~len] = arguments[len];

  var locale = null;
  var params = null;
  if (arr.length === 1) {
    if (isObject(arr[0]) ||
      Array.isArray(arr[0])) {
      params = arr[0];
    } else if (typeof arr[0] === 'string') {
      locale = arr[0];
    } else if (arr.length === 2) {
      if (typeof arr[0] === 'string') {
        locale = arr[0];
      } else if (isCallable(arr[1])) {
        params = arr[1];
      }
    }
  } else if (arr.length === 0) {
    if (typeof locale === 'string') {
      locale = arr[0];
    }
  }

  return { locale: locale, params: params };

  var function remove (arr, item) {
    if (arr.length) {
      var var = index =[


arr.indexOf(item);\n if (index > -1) {\n return arr.splice(index, 1)\n }\n }\n}\n\nvar hasOwnProperty =
Object.prototype.hasOwnProperty;\nfunction hasOwn (obj, key) {\n return hasOwnProperty.call(obj,
key)\n}\n\nfunction merge (target) {\n var arguments$1 = arguments;\n\n var output = Object(target);\n for (var i
= 1; i < arguments.length; i++) {\n var source = arguments$1[i];\n if (source !== undefined && source !== null)
{\n
var key = (void 0);\n
for (key in source) {\n
if (hasOwn(source, key)) {\n
if
(isObject(source[key])) {\n
output[key] = merge(output[key], source[key]);\n
} else {\n
output[key] = source[key];\n
}\n
}\n
}\n }\n }\n return output\n}\n\nfunction looseEqual (a, b) {\n
if (a === b) { return true }\n var isObjectA = isObject(a);\n var isObjectB = isObject(b);\n if (isObjectA &&
isObjectB) {\n try {\n
var isArrayA = Array.isArray(a);\n
var isArrayB = Array.isArray(b);\n
if
(isArrayA && isArrayB) {\n
return a.length === b.length && a.every(function (e, i) {\n
return
looseEqual(e, b[i])\n
})\n
} else if (!isArrayA && !isArrayB) {\n
var keysA = Object.keys(a);\n
var
keysB = Object.keys(b);\n
return keysA.length === keysB.length && keysA.every(function (key) {\n
return looseEqual(a[key], b[key])\n
})\n
} else {\n
/* istanbul ignore next */\n
return false\n
}\n
} catch (e) {\n
/* istanbul ignore next */\n
return false\n }\n } else if (!isObjectA && !isObjectB) {\n
return String(a) === String(b)\n } else {\n return false\n }\n}\n\nvar canUseDateTimeFormat =\n typeof Intl !==
'undefined' && typeof Intl.DateTimeFormat !== 'undefined';\n\nvar canUseNumberFormat =\n typeof Intl !==
'undefined' && typeof Intl.NumberFormat !== 'undefined';\n\n/* */\n\nfunction extend (Vue) {\n if
(!Vue.prototype.hasOwnProperty('$i18n')) {\n // $FlowFixMe\n Object.defineProperty(Vue.prototype, '$i18n',
{\n
get: function get () { return this._i18n }\n });\n }\n\n Vue.prototype.$t = function (key) {\n var values =
[], len = arguments.length - 1;\n while ( len-- > 0 ) values[ len ] = arguments[ len + 1 ];\n\n var i18n =
this.$i18n;\n return i18n._t.apply(i18n, [ key, i18n.locale, i18n._getMessages(), this ].concat( values ))\n };\n\n
Vue.prototype.$tc = function (key, choice) {\n var values = [], len = arguments.length - 2;\n while ( len-- > 0 )
values[ len ] = arguments[ len + 2 ];\n\n var i18n = this.$i18n;\n return i18n._tc.apply(i18n, [ key, i18n.locale,
i18n._getMessages(), this, choice ].concat( values ))\n };\n\n Vue.prototype.$te = function (key, locale) {\n var
i18n = this.$i18n;\n return i18n._te(key, i18n.locale, i18n._getMessages(), locale)\n };\n\n Vue.prototype.$d =
function (value) {\n var ref;\n\n var args = [], len = arguments.length - 1;\n while ( len-- > 0 ) args[ len ] =
arguments[ len + 1 ];\n return (ref = this.$i18n).d.apply(ref, [ value ].concat( args ))\n };\n\n Vue.prototype.$n =
function (value) {\n var ref;\n\n var args = [], len = arguments.length - 1;\n while ( len-- > 0 ) args[ len ] =
arguments[ len + 1 ];\n return (ref = this.$i18n).n.apply(ref, [ value ].concat( args ))\n };\n}\n\n/* */\n\nvar mixin
= {\n beforeCreate: function beforeCreate () {\n var options = this.$options;\n options.i18n = options.i18n ||
(options.__i18n ? {} : null);\n\n if (options.i18n) {\n
if (options.i18n instanceof VueI18n) {\n
// init locale
messages via custom blocks\n
if (options.__i18n) {\n
try {\n
var localeMessages = {};\n
options.__i18n.forEach(function (resource) {\n
localeMessages = merge(localeMessages,
JSON.parse(resource));\n
});\n
Object.keys(localeMessages).forEach(function (locale) {\n
options.i18n.mergeLocaleMessage(locale, localeMessages[locale]);\n
});\n
} catch (e) {\n
if
(process.env.NODE_ENV !== 'production') {\n
warn(\"Cannot parse locale messages via custom blocks.\",
e);\n
}\n
}\n
}\n
this._i18n = options.i18n;\n
this._i18nWatcher =
this._i18n.watchI18nData();\n
this._i18n.subscribeDataChanging(this);\n
this._subscribing = true;\n
}
else if (isPlainObject(options.i18n)) {\n
// component local i18n\n
if (this.$root && this.$root.$i18n &&
this.$root.$i18n instanceof VueI18n) {\n
options.i18n.root = this.$root;\n
options.i18n.formatter =
this.$root.$i18n.formatter;\n
options.i18n.fallbackLocale = this.$root.$i18n.fallbackLocale;\n
options.i18n.silentTranslationWarn = this.$root.$i18n.silentTranslationWarn;\n
}\n\n
// init locale messages
via custom blocks\n
if (options.__i18n) {\n
try {\n
var localeMessages$1 = {};\n
options.__i18n.forEach(function (resource) {\n
localeMessages$1 = merge(localeMessages$1,
JSON.parse(resource));\n
});\n
options.i18n.messages = localeMessages$1;\n
} catch (e) {\n
if (process.env.NODE_ENV !== 'production') {\n
warn(\"Cannot parse locale messages via custom
blocks.\", e);\n
}\n
}\n
}\n\n
this._i18n = new VueI18n(options.i18n);\n
this._i18nWatcher
= this._i18n.watchI18nData();\n
this._i18n.subscribeDataChanging(this);\n
this._subscribing = true;\n\n

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function makeParams(locale, args) {
  var params = [];
  locale = value.locale;
  args = value.args;
  choice = value.choice;
  return { path: path, locale: locale, args: args, choice: choice }
}

function parseValue(value) {
  var path;
  var locale;
  var args = value.args;
  if (typeof value === 'string') {
    path = value;
  } else if (isPlainObject(value)) {
    path = value.locale;
  } else {
    path = value.choice;
  }
  return path
}

if (process.env.NODE_ENV !== 'production') {
  warn("Cannot be interpreted 'i18n' option.");
}

var value = binding.value;
var ref = parseValue(value);
var path = ref.path;
var locale = ref.locale;
var params = ref.params;
var child = ref.child;
var choice = ref.choice;
var ref$2 = vm.$i18n;
var ref$1 = vm.$i18n;
var ref$3 = vm.$i18n;
var ref$4 = vm.$i18n.

if (vm.$root && vm.$root.$i18n && vm.$root.$i18n instanceof VueI18n) {
  // root i18n
  this._i18n = this.$root.$i18n;
}

if (process.env.NODE_ENV !== 'production') {
  warn("Cannot find VueI18n instance!");
}

var i18n = parent.$i18n;
var places = Array.isArray(places) ? places : Object.keys(places);
var everyPlace = child => child.data.attrs.place;
var hasPlaces = places.length > 0;
var prop = (vnode, index, len) => {
  return vnode.componentInstance.
}

var assert = (el, vnode) => {
  var vm = vnode.context.$i18n;
  if (!vm) {
    warn('Vue instance doest not exists in VNode context');
    return
  }

  el.textContent = '';
  el._vt = el._locale = undefined;
  delete el._localeMessage;
  el._locale = vm.$i18n.getLocaleMessage(vm.$i18n.locale);
  el._localeMessage = undefined;
  delete el._localeMessage;
  if (vm.$root.$i18n instanceof VueI18n) {
    // root i18n
    this._i18n = this.$root.$i18n;
  } else if (options.parent && options.parent.$i18n && options.parent.$i18n instanceof VueI18n) {
    // parent i18n
    this._i18n = options.parent.$i18n;
  } else if (this.$root && this.$root.$i18n && this.$root.$i18n instanceof VueI18n) {
    // root i18n
    this._i18n = this.$root.$i18n;
  } else if (process.env.NODE_ENV !== 'production') {
    warn('Vue instance does not exists in Vue instance');
  }

  return true
}

var update = (el, binding, vnode, oldVNode) => {
  var path = binding.value;
  var locale = binding.locale;
  var params = binding.params;
  var child = (child => child.data.attrs.place);
  var everyPlace = child => child.data.attrs.place;
  var hasPlaces = places.length > 0;
  var prop = (vnode, index, len) => {
    return vnode.componentInstance.
}

var bind = (el, binding, vnode) => {
  var path = binding.value;
  var locale = binding.locale;
  var params = binding.params;
  var child = (child => child.data.attrs.place);
  var everyPlace = child => child.data.attrs.place;
  var hasPlaces = places.length > 0;
  var prop = (vnode, index, len) => {
    return vnode.componentInstance.
}

var unbind = (el, binding, vnode, oldVNode) => {
  var path = binding.value;
  var locale = binding.locale;
  var params = binding.params;
  var child = (child => child.data.attrs.place);
  var everyPlace = child => child.data.attrs.place;
  var hasPlaces = places.length > 0;
  var prop = (vnode, index, len) => {
    return vnode.componentInstance.
}

var localeEqual = (el, vnode) => {
  var path = vnode.componentInstance.
}

var assert = (el, vnode) => {
  var vm = vnode.context.$i18n;
  if (!vm) {
    warn('Vue instance doest not exists in VNode context');
    return
  }

  el.textContent = '';
  el._vt = el._locale = undefined;
  delete el._localeMessage;
  el._locale = vm.$i18n.getLocaleMessage(vm.$i18n.locale);
  el._localeMessage = undefined;
  delete el._localeMessage;
  if (vm.$root.$i18n instanceof VueI18n) {
    // root i18n
    this._i18n = this.$root.$i18n;
  } else if (options.parent && options.parent.$i18n && options.parent.$i18n instanceof VueI18n) {
    // parent i18n
    this._i18n = options.parent.$i18n;
  } else if (this.$root && this.$root.$i18n && this.$root.$i18n instanceof VueI18n) {
    // root i18n
    this._i18n = this.$root.$i18n;
  } else if (process.env.NODE_ENV !== 'production') {
    warn('Vue instance does not exists in Vue instance');
  }

  return true
}

var update = (el, binding, vnode, oldVNode) => {
  var path = binding.value;
  var locale = binding.locale;
  var params = binding.params;
  var child = (child => child.data.attrs.place);
  var everyPlace = child => child.data.attrs.place;
  var hasPlaces = places.length > 0;
  var prop = (vnode, index, len) => {
    return vnode.componentInstance.
}

var bind = (el, binding, vnode) => {
  var path = binding.value;
  var locale = binding.locale;
  var params = binding.params;
  var child = (child => child.data.attrs.place);
  var everyPlace = child => child.data.attrs.place;
  var hasPlaces = places.length > 0;
  var prop = (vnode, index, len) => {
    return vnode.componentInstance.
}

var unbind = (el, binding, vnode, oldVNode) => {
  var path = binding.value;
  var locale = binding.locale;
  var params = binding.params;
  var child = (child => child.data.attrs.place);
  var everyPlace = child => child.data.attrs.place;
  var hasPlaces = places.length > 0;
  var prop = (vnode, index, len) => {
    return vnode.componentInstance.
}
```javascript
&& params.push(locale);

if (args && Array.isArray(args) || isPlainObject(args)) {
  params.push(locale);
  if (args && (Array.isArray(args) || isPlainObject(args))) {
    params.push(args);
  }

  return params
}

var Vue;

function install (_Vue) {
  /* istanbul ignore if */
  if (process.env.NODE_ENV !== 'production' && install.installed && _Vue === Vue) {
    warn('already installed.');
    return
  }
  install.installed = true;

  Vue = _Vue;
  var version = (Vue.version && Number(Vue.version.split('.').[0])) || -1;
  /* istanbul ignore if */
  if (process.env.NODE_ENV !== 'production' && version < 2) {
    warn(("vue-i18n (" + (install.version) + ") need to use Vue 2.0 or later (Vue: " + (Vue.version) + ")."));
    return
  }

  Vue.component(component.name, component);

  // use simple mergeStrategies to prevent i18n instance lose '__proto__'
  var strats = Vue.config.optionMergeStrategies;

  strats.i18n = function (parentVal, childVal) {
    return childVal === undefined
      ? parentVal
      : childVal
  }
}

/*  */

var BaseFormatter = function BaseFormatter () {
  this._caches = Object.create(null);
};

BaseFormatter.prototype.interpolate = function interpolate (message, values) {
  if (!values) {
    return [message]
  }
  var tokens = this._caches[message];
  if (!tokens) {
    tokens = parse(message);
    this._caches[message] = tokens;
  }
  return compile(tokens, values)
};

var RE_TOKEN_LIST_VALUE = /^(?:\d)+/;
var RE_TOKEN_NAMED_VALUE = /^(?:\w)+/;

function parse (format) {
  var tokens = [];
  var text = '';
  while (position < format.length) {
    var char = format[position++];
    if (char === '{') {
      if (text) {
        tokens.push({ type: 'text', value: text });
      }

      text = '';
      var sub = '';
      char = format[position++];
      while (char !== '}') {
        sub += char;
        char = format[position++];
      }
      var isClosed = char === '}'

      var type = RE_TOKEN_LIST_VALUE.test(sub)
        ? 'list'
        : isClosed && RE_TOKEN_NAMED_VALUE.test(sub)
          ? 'named'
          : 'unknown';
      tokens.push({ value: sub, type: type });
    } else if (char === '%%') {
      // when found rails i18n syntax, skip text capture
      if (format[(position)]) {
        text += char;
      }
    } else {
      text += char;
    }
  }

  text && tokens.push({ type: 'text', value: text });

  return tokens
}

function compile (tokens, values) {
  var compiled = [];
  var index = 0;

  var mode = Array.isArray(values)
    ? 'list'
    : isObject(values)
      ? 'named'
      : 'unknown';
  if (mode === 'unknown') { return compiled }

  while (index < tokens.length) {
    var token = tokens[index];
    switch (token.type) {
      case 'text':
        compiled.push(token.value);
        break
      case 'list':
        compiled.push(values[parseInt(token.value, 10)]);
        break
      case 'named':
        if (mode === 'named') {
          compiled.push(values[token.value]);
        } else if (process.env.NODE_ENV !== 'production') {
          warn("Detect 'unknown' type of token!'");
          break
        }

        if (token.value.indexOf('.') !== -1) {
          break
        }

        var keyParts = token.value.split('.').map(function (part) {
          return part
        });

        var currentObject = this;
        for (var i = 0; i < keyParts.length; i++) {
          if (currentObject[keyParts[i]]) {
            currentObject = currentObject[keyParts[i]]
          } else {
            break
          }
        }

        if (process.env.NODE_ENV !== 'production') {
          warn("Detect 'unknown' type of token!'");
        }

        break
      case 'unknown':
        break
    }
    index++;
  }

  return compiled
}

/*  */

/**
 *  Path parser
 *  - Inspired:
 *    Vue.js Path parser
 */

// actions
var APPEND = 0;
var PUSH = 1;
var INC_SUB_PATH_DEPTH = 2;
var PUSH_SUB_PATH = 3;

// states
var BEFORE_PATH = 0;
var IN_PATH = 1;
var BEFORE_IDENT = 2;
var IN_IDENT = 3;
var IN_SUB_PATH = 4;
var IN_SINGLEQUOTE = 5;
var IN_DOUBLEQUOTE = 6;
var AFTER_PATH = 7;
var ERROR = 8;

var pathStateMachine = [];

pathStateMachine[BEFORE_PATH] = {
  'ws': [BEFORE_PATH],
  '.': [BEFORE_IDENT],
  '\[': [IN_SUB_PATH],
  'eof': [AFTER_PATH]
};

pathStateMachine[IN_PATH] = {
  'ws': [IN_PATH, PUSH],
  '.': [IN_IDENT, APPEND],
  '\[': [IN_SUB_PATH, INC_SUB_PATH_DEPTH],
  ' eof': [AFTER_PATH]
};

pathStateMachine[BEFORE_IDENT] = {
  'ws': [BEFORE_IDENT],
  '': [IN_SUB_PATH],
  '\': [IN_SUB_PATH, PUSH],
  ' eof': [AFTER_PATH]
};

pathStateMachine[IN_IDENT] = {
  'ws': [IN_IDENT],
  '': [IN_SUB_PATH, APPEND],
  '\': [IN_SUB_PATH, INC_SUB_PATH_DEPTH],
  ' eof': [ERROR]
};
```

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```javascript
// some code
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```javascript
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```javascript
// some more code
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```javascript
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```javascript
// even more code
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```javascript
// finally some more code
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// and the last bit of code
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// and the final bits of code
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// the end of the code
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// and the final code
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```
(isPlainObject(message)) {\n
ret = message[key];\n
if (typeof ret !== 'string') {\n
if
(process.env.NODE_ENV !== 'production' && !this._silentTranslationWarn) {\n
warn((\"Value of key '\" +
key + \"' is not a string!\"));\n
}\n
return null\n
}\n } else {\n
return null\n }\n } else {\n /*
istanbul ignore else */\n if (typeof pathRet === 'string') {\n
ret = pathRet;\n } else {\n
if
(process.env.NODE_ENV !== 'production' && !this._silentTranslationWarn) {\n
warn((\"Value of key '\" + key
+ \"' is not a string!\"));\n
}\n
return null\n }\n }\n\n // Check for the existence of links within the translated
string\n if (ret.indexOf('@:') >= 0 || ret.indexOf('@.') >= 0) {\n ret = this._link(locale, message, ret, host,
interpolateMode, values, visitedLinkStack);\n }\n\n return this._render(ret, interpolateMode,
values)\n};\n\nVueI18n.prototype._link = function _link (\n locale,\n message,\n str,\n host,\n interpolateMode,\n
values,\n visitedLinkStack\n) {\n var this$1 = this;\n\n var ret = str;\n\n // Match all the links within the local\n
// We are going to replace each of\n // them with its translation\n var matches = ret.match(linkKeyMatcher);\n for
(var idx in matches) {\n // ie compatible: filter custom array\n // prototype method\n if
(!matches.hasOwnProperty(idx)) {\n
continue\n }\n var link = matches[idx];\n var linkKeyPrefixMatches =
link.match(linkKeyPrefixMatcher);\n var linkPrefix = linkKeyPrefixMatches[0];\n
var formatterName =
linkKeyPrefixMatches[1];\n\n // Remove the leading @:, @.case: and the brackets\n var linkPlaceholder =
link.replace(linkPrefix, '').replace(bracketsMatcher, '');\n\n if (visitedLinkStack.includes(linkPlaceholder)) {\n
if (process.env.NODE_ENV !== 'production') {\n
warn((\"Circular reference found. \\\"\" + link + \"\\\" is
already visited in the chain of \" + (visitedLinkStack.reverse().join(' <- '))));\n
}\n
return ret\n }\n
visitedLinkStack.push(linkPlaceholder);\n\n // Translate the link\n var translated = this$1._interpolate(\n
locale, message, linkPlaceholder, host,\n
interpolateMode === 'raw' ? 'string' : interpolateMode,\n
interpolateMode === 'raw' ? undefined : values,\n
visitedLinkStack\n );\n\n if
(this$1._isFallbackRoot(translated)) {\n
if (process.env.NODE_ENV !== 'production' &&
!this$1._silentTranslationWarn) {\n
warn((\"Fall back to translate the link placeholder '\" + linkPlaceholder + \"'
with root locale.\"));\n
}\n
/* istanbul ignore if */\n
if (!this$1._root) { throw Error('unexpected error') }\n
var root = this$1._root.$i18n;\n
translated = root._translate(\n
root._getMessages(), root.locale,
root.fallbackLocale,\n
linkPlaceholder, host, interpolateMode, values\n
);\n }\n translated =
this$1._warnDefault(\n
locale, linkPlaceholder, translated, host,\n
Array.isArray(values) ? values : [values]\n
);\n if (formatters.hasOwnProperty(formatterName)) {\n
translated = formatters[formatterName](translated);\n
}\n\n visitedLinkStack.pop();\n\n // Replace the link with the translated\n ret = !translated ? ret :
ret.replace(link, translated);\n }\n\n return ret\n};\n\nVueI18n.prototype._render = function _render (message,
interpolateMode, values) {\n var ret = this._formatter.interpolate(message, values);\n // if interpolateMode is
**not** 'string' ('row'),\n // return the compiled data (e.g. ['foo', VNode, 'bar']) with formatter\n return
interpolateMode === 'string' ? ret.join('') : ret\n};\n\nVueI18n.prototype._translate = function _translate (\n
messages,\n locale,\n fallback,\n key,\n host,\n interpolateMode,\n args\n) {\n var res =\n
this._interpolate(locale, messages[locale], key, host, interpolateMode, args, [key]);\n if (!isNull(res)) { return res
}\n\n res = this._interpolate(fallback, messages[fallback], key, host, interpolateMode, args, [key]);\n if
(!isNull(res)) {\n if (process.env.NODE_ENV !== 'production' && !this._silentTranslationWarn) {\n
warn((\"Fall back to translate the keypath '\" + key + \"' with '\" + fallback + \"' locale.\"));\n }\n return res\n }
else {\n return null\n }\n};\n\nVueI18n.prototype._t = function _t (key, _locale, messages, host) {\n var ref;\n\n
var values = [], len = arguments.length - 4;\n while ( len-- > 0 ) values[ len ] = arguments[ len + 4 ];\n if (!key) {
return '' }\n\n var parsedArgs = parseArgs.apply(void 0, values);\n var locale = parsedArgs.locale || _locale;\n\n
var ret = this._translate(\n messages, locale, this.fallbackLocale, key,\n host, 'string', parsedArgs.params\n );\n
if (this._isFallbackRoot(ret)) {\n if (process.env.NODE_ENV !== 'production' && !this._silentTranslationWarn)
{\n
warn((\"Fall back to translate the keypath '\" + key + \"' with root locale.\"));\n }\n /* istanbul ignore if
*/\n if (!this._root) { throw Error('unexpected error') }\n return (ref = this._root).$t.apply(ref, [ key ].concat(
values ))\n } else {\n return this._warnDefault(locale, key, ret, host, values)\n }\n};\n\nVueI18n.prototype.t =
function t (key) {\n var ref;\n\n var values = [], len = arguments.length - 1;\n while ( len-- > 0 ) values[ len ] =
arguments[ len + 1 ];\n return (ref = this)._t.apply(ref, [ key, this.locale, this._getMessages(), null ].concat( values

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process.env.VUE_APP_I18N_LOCALE || 'en';

process.env.VUE_APP_FALLBACK_LOCALE || 'en';

messages: loadLocaleMessages(
  this)
)
})

var render = function () {
  var _vm = this;
  var _h = _vm.$createElement;
  var _c = _vm._self._c || _h;
  return _c('div', { staticClass: 'content-placeholder' }, _c('div', {
    key: 'r',
    staticClass: 'content-placeholder__wrapper__row',
    style: (
      height: row.height
    )}, _vm._l(_vm.formattedRows, function (row, r) {
      return _c('div', { key: b, style: box.style }, [
        box.subClass ? _c('div', { class: box.subClass }) : _vm._e()
      ])
    }))
  )
})

export { render, staticRenderFns }

const DEFAULT_ROWS = [
  {
    height: '1em',
    boxes: [0, 0.5, 0.5, 0.3, 0.1]
  }
]

export function isFlexBasis (str) {
  return Number(str).toString() === str.toString()
}

export function isWidth (str) {
  const cssSuffix = [
    'px', '%', 'em', 'rem'
  ];
  let checkState = false;
  cssSuffix.forEach(suffix => {
    if (Number(str.split(suffix)[0]) &&
    str.split(suffix)[1] === '' &&
    str.split(suffix).length === 2) {
      checkState = true
    }
  });
  return checkState
}

export function getBoxStyle (left, width, isLast, subClass = 'box') {
  const arr = [];
  if (left !== 0) {
    if (isFlexBasis(left)) {
      arr.push({
        style: `flex-grow: ${left}; flex-shrink: 0; flex-basis: 0;`,
        subClass
      })
    } else if (isWidth(left)) {
      arr.push({
        style: `flex-grow: 0; flex-shrink: 0; flex-basis: ${left};`,
        subClass
      })
    }
  }
  if (isFlexBasis(width)) {
    arr.push({
      style: `flex-grow: 0; flex-shrink: 0; flex-basis: 0;`,
      subClass
    })
  } else if (isWidth(width)) {
    arr.push({
      style: `flex-grow: 0; flex-shrink: 0; flex-basis: ${width};`,
      subClass
    })
  }
  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: {
    rows: {
      type: Array
    },
    size: {
      type: String,
      default: '250%' // Add style
    }
  },
  computed: {
    formattedRows () {
      return formatRows(this.rows, 'content-placeholder__wrapper__row')
    }
  }
}
</script>

<style scoped lang="scss">
@import '../styles/lib';

@keyframes placeHolderShimmer{
  0%{
    background-position: 100% 0
  }
  100%{
    background-position: -100% 0
  }
}

.content-placeholder {
  overflow: hidden;

  &__wrapper {
    animation-duration: 1s;
    animation-fill-mode: forwards;
    animation-iteration-count: infinite;
    animation-name: placeHolderShimmer;
    animation-timing-function: linear;
    background: #f6f7f8;
    background: linear-gradient(to right, #eeeeee 8%, #dddddd 18%, #eeeeee 33%);
    position: relative;

    &__row {
      width: 100%;
      box-sizing: border-box;
      display: flex;
      flex: 0 1 auto;
      flex-direction: row;
      flex-wrap: wrap;
      &__box {
        box-sizing: border-box;
        position: relative;
        height: 100%;
        margin-bottom: 0;
        background-color: white;
        overflow: hidden;
      }
    }
  }
</style>
IMPORTANT: Do NOT use ES2015 features in this file (except for modules).

Vue.extend constructor export interpolation var options = typeof scriptExports === 'function'

// for template-only hot-reload because in that case the render fn doesn't go through the normalizer

var render = function () { var _vm = this; var _h = _vm.$createElement; var _c = _vm._self._c || _h; return _c('div', { staticClass: 'donate-form container-fluid py-2' }, [(!_vm.noTitle) ? _c('h2', { staticClass: 'text-uppercase font-weight-bold text-primary h5' }, [_vm._v(_vm._s(_vm.$t('donate-form.support')) + _vm._n())]) : _vm._e(), _vm._t('introduction', [_c('p', { domProps: { 'innerHTML': _vm._s(_vm.$t('donate-form.introduction')) } })]), _c('div', { staticClass: 'donate-form__payment mb-4' }, [(_c('div', { staticClass: 'donate-form__payment__form bg-light p-4', attrs: { 'action': '//checkout.fundjournalism.org/memberform', 'method': 'get', 'target': '_blank' } }, [(_c('h3', { staticClass: 'donate-form__payment__title h5 mb-4' }, [(_c('strong', [_vm._v(_vm._s(_vm.$t('donate-form.join-heading'))) + _vm._n()])]), _c('div', { staticClass: 'donate-form__payment__input form-control', attrs: { 'class': 'form-control', 'type': 'text', 'placeholder': 'Donation Amount', 'value': _vm.amount } })]), _c('div', { staticClass: 'donate-form__payment__form bg-light p-4', attrs: { 'action': '//checkout.fundjournalism.org/memberform', 'method': 'get', 'target': '_blank' } })])])])};
Promise.prototype['catch'] = function(onRejected) {
  return this.then(null, onRejected);
};

Promise.prototype.then = function(onFulfilled, onRejected) {
  // @ts-ignore
  var prom = this.constructor(noop);
  return prom.then(onFulfilled, onRejected);
};

Promise.prototype['finally'] = promiseFinally;

Promise.all = function(arr) {
  return new Promise((resolve, reject) => {
    // return new Promise(resolve, reject); // @ts-ignore
    var length = arr.length;
    var res = (i, val) => Promise.using(val, onRejected => {
      console.warn('Possible Unhandled Promise Rejection:', err); // eslint-disable-line no-console
    }, resolve);
    var promise = Promise.resolve();
    for (var i = 0; i < length; i++) {
      promise = promise.then(res(i, arr[i]), reject);
    }
    resolve(arrayify(promise));
  });
};

function arrayify(promise) {
  return promise.then(values => values)
    .catch(err => Promise.reject(err));
}

Promise.prototype.resolve = function(value) {
  if (value && typeof value === 'object' && value.constructor === Promise) {
    return value;
  }
  return new Promise(resolve => resolve(value));
};

Promise.reject = function(value) {
  return new Promise((resolve, reject) => reject(value));
};

Promise.race = function(values) {
  return new Promise(resolve => {
    for (var i = 0, len = values.length; i < len; i++) {
      values[i].then(resolve, reject);
    }
  });
};

// Use polyfill for setImmediate for performance gains
Promise._immediateFn = (typeof setImmediate === 'function' &&
  function(fn) {
    setImmediate(fn);
  }) || function(fn) {
    setTimeout(fn, 0);
  };
Math.floor(Math.abs(number));

Math.max(value, number1, number2, ..., numberN);

Math.min(value, number1, number2, ..., numberN);

Math.random();

Math.round(number);
Given an array of properties or an object of property keys, plucks all the values off the target object.

```
return isArray(keysToPluck) ? keysToPluck.slice() : keysToPluckProps(keysToPluck, objToPluck));
```

Determine if an element is an HTML Element:

```
var isElement = function isElement(el) {
  return el && el.nodeType === Node.ELEMENT_NODE;
};
```

Determine if an HTML element is visible - Faster than CSS check:

```
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:

```
var isDisabled = function isDisabled(el) {
  return !isElement(el) || el.disabled || el.classList.contains('disabled') ||
  Boolean(el.getAttribute('disabled'));
};
```

Causes/wait-for an element to reflow it’s content (adjusting it’s height/width/offset)

```
var reflow = function reflow(el) {
  return isElement(el) && el.offsetHeight;
};
```

Select all elements matching a 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;
};
```

Determines 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-empty
    while (--i >= 0 && m.item(i) !== element) {}
    return i > -1;
  };

  return Matches.call(el, selector);
};
```

Finds closest element matching a selector:

```
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
  var Closest = Element.prototype.closest
  ||
  /* istanbul ignore next */
  function (sel) {
    var element = this;
    if (!document.documentElement.contains(element)) {
      return null;
    } do { 
      // Use our \"patched\" matches function if (matches(element, sel)) {
        return element;
      } while (element !== null);
    } return Closest.call(root, selector);
    // Emulate jQuery closest and return null if match is the passed in element (root)
    return el === root ? null : el;
  };

  Get an element given an ID:

  var getElements = function getElementsBy(Id) {
    return document.getElementById(id);
  };
  // Add a class to an element:
  var addClass = function addClass(el, className) {
    if (class && isElement(el)) {
      el.classList.add(className);
    }
  };
  // Remove a class from an element:
  var removeClass = function removeClass(el, className) {
    if (class && isElement(el)) {
      el.classList.remove(className);
    }
  };
  // Test if an element has a class:
  var hasClass = function hasClass(el, className) {
    if (class && isElement(el)) {
      return el.classList.contains(className);
    }
  };
```

Set an attribute on an element:

```
export var setAttr = function setAttr(el, attr, value) {
  if (attr && isElement(el)) {
    el.setAttribute(attr, value);
  }
};
```

Get an attribute value from an element:

```
export var getAttr = function getAttr(el, attr) {
  if (attr && isElement(el)) {
    return el.getAttribute(attr);
  }
};
```

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);
  }
};
```

Closed
function return el.getAttribute(attr); return null; } // Return the Bounding Client Rec of an element. Retruns null if not an element
export getBCR = function getBCR(el) { return el.getBoundingClientRect(); }

// 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 };
  }
};

// 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);
  }
};

/* */

import { assign, keys } from '../../utils/object';
import { arrayIncludes, concat } from '../../utils/array';
import { mergeData } from 'vue-functional-data-merge';

/**
 * The Link component is used in many other BV components.
 * As such, sharing
 * its props makes supporting all its features easier.
 * However, some components need to modify the defaults for
 * their own purpose.
 * Prefer sharing a fresh copy of the props to ensure mutations
 * do not affect other
 * component references to the props.
 *
 * @return {{}}
 */
export function propsFactory() {
  return {
    href: {
      type: String,
      default: null
    },
    rel: {
      type: String,
      default: null
    },
    target: {
      type: String,
      default: '_self'
    },
    active: {
      type: Boolean,
      default: false
    },
    activeClass: {
      type: String,
      default: 'active'
    },
    append: {
      type: Boolean,
      default: false
    },
    disabled: {
      type: Boolean,
      default: false
    },
    event: {
      type: [String, Array],
      default: 'click'
    },
    exact: {
      type: Boolean,
      default: false
    },
    exactActiveClass: {
      type: String,
      default: 'active'
    },
    replace: {
      type: Boolean,
      default: false
    },
    routerTag: {
      type: String,
      default: 'a'
    },
    to: {
      type: [String, Object],
      default: null
    }
  };
}

export var props = propsFactory();

export function pickLinkProps(propsToPick) {
  var freshLinkProps = propsFactory();
  // Normalize everything to array.
  propsToPick = concat(propsToPick);

  return keys(freshLinkProps).reduce(function (memo, prop) {
    if (arrayIncludes(propsToPick, prop)) {
      memo[prop] = freshLinkProps[prop];
    }

    return memo;
  }, {});
}

export function omitLinkProps(propsToOmit) {
  var freshLinkProps = propsFactory();
  // Normalize everything to array.
  propsToOmit = concat(propsToOmit);

  return keys(props).reduce(function (memo, prop) {
    if (!arrayIncludes(propsToOmit, prop)) {
      memo[prop] = freshLinkProps[prop];
    }

    return memo;
  }, {});
}

export var computed = {
  linkProps: function linkProps() {
    var linkProps = {};
    var propKeys = keys(props);

    for (var i = 0; i < propKeys.length; i++) {
      var prop = propKeys[i];

      // Computed Vue getters are bound to the instance.
      if (typeof props[prop] === Function) {
        linkProps[prop] = this[prop];
      } else {
        linkProps[prop] = props[prop];
      }
    }

    return linkProps;
  }
};

function computeTag(props, parent) {
  return { href: props.href,
    rel: props.rel,
    target: props.target,
    active: props.active,
    append: props.append,
    disabled: props.disabled,
    event: props.event,
    exact: props.exact,
    replace: props.replace,
    routerTag: props.routerTag,
    to: props.to
  };
}

/* */

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; };

Open Source Used In ND-NODE v2.1.2b 29746
When deferring to Vue Router's router-link, don't use the href attr at all. Must return undefined for router-link to populate href. If (tag === 'router-link') return void 0; // If href explicitly provided or (href) return href; // Reconstruct href when 'to' used, but no route

return if (to) { // Fall back to 'to' prop (if 'to' is a string)
if (typeof to === 'string') return _ref2.to; // Fallback to 'to.path' prop (if 'to' is an object)
if ((typeof to === 'undefined' ? 'undefined' : typeof(to)) === 'object' && typeof to.path === 'string') return to.path;
// If nothing is provided use #

var target = _ref2.target; rel = _ref2.rel; fn if (target === '_blank' & rel === null) { return 'noopener'; }

return (null)
}<function (fn) {
    e.stopPropagation();
    e.preventDefault();
}
else if (props.disabled & e instanceof Event) {
    return e.stopImmediatePropagation();
}

// Kill the event loop attached to this specific EventTarget.<function (fn) {
    e.preventDefault();
    e.stopPropagation();
    // Kill event loop attached to this specific EventTarget.
    if (e && e.preventDefault) {
        e.preventDefault();
    }
    if (e && e.stopPropagation) {
        e.stopPropagation();
    }
}

function clickHandlerFactory(_ref3) {
    var disabled = _ref3.disabled, tag = _ref3.tag, href = _ref3.href, suppliedHandler = _ref3.suppliedHandler, parent = _ref3.parent, var isRouterLink = tag === 'router-link';

    return function on(e, evt) { if (!isRouterLink) {
        return e.stopPropagation();
    }
    if (fn) {
        fn.apply(null, arguments);
    }
}

function computeRel(_ref2) {
    var target = _ref2.target, rel = _ref2.rel;

    if (target === '_blank' & rel === null) {
        return 'noopener';
    }
    return rel || (target === '#');
}

function computeHref(_ref, tag) {
    var disabled = _ref.disabled, href = _ref.href,
        rel = _ref.rel, parent = _ref.parent, children = _ref.children;

    // We want to overwrite any click handler since our callback will invoke the supplied handler if !props.disabled = componentData[eventType];
    // We want to overwrite any click handler since our callback will invoke the supplied handler if !props.disabled
    delete componentData.href; return (null)
}

function clickHandlerFactory(_ref3) {
    var disabled = _ref3.disabled, tag = _ref3.tag, href = _ref3.href, suppliedHandler = _ref3.suppliedHandler, parent = _ref3.parent, var isRouterLink = tag === 'router-link';

    return function on(e, evt) { if (!isRouterLink) {
        return e.stopPropagation();
    }
    if (fn) {
        fn.apply(null, arguments);
    }
}

function computeRel(_ref2) {
    var target = _ref2.target, rel = _ref2.rel;

    if (target === '_blank' & rel === null) {
        return 'noopener';
    }
    return rel || (target === '#');
}

function computeHref(_ref, tag) {
    var disabled = _ref.disabled, href = _ref.href,
        rel = _ref.rel, parent = _ref.parent, children = _ref.children;

    // We want to overwrite any click handler since our callback will invoke the supplied handler if !props.disabled
    delete componentData.href; return (null)
}

function clickHandlerFactory(_ref3) {
    var disabled = _ref3.disabled, tag = _ref3.tag, href = _ref3.href, suppliedHandler = _ref3.suppliedHandler, parent = _ref3.parent, var isRouterLink = tag === 'router-link';

    return function on(e, evt) { if (!isRouterLink) {
        return e.stopPropagation();
    }
    if (fn) {
        fn.apply(null, arguments);
    }
}

function computeRel(_ref2) {
    var target = _ref2.target, rel = _ref2.rel;

    if (target === '_blank' & rel === null) {
        return 'noopener';
    }
    return rel || (target === '#');
}

function computeHref(_ref, tag) {
    var disabled = _ref.disabled, href = _ref.href,
        rel = _ref.rel, parent = _ref.parent, children = _ref.children;

    // We want to overwrite any click handler since our callback will invoke the supplied handler if !props.disabled
    delete componentData.href; return (null)
}

function clickHandlerFactory(_ref3) {
    var disabled = _ref3.disabled, tag = _ref3.tag, href = _ref3.href, suppliedHandler = _ref3.suppliedHandler, parent = _ref3.parent, var isRouterLink = tag === 'router-link';

    return function on(e, evt) { if (!isRouterLink) {
        return e.stopPropagation();
    }
    if (fn) {
        fn.apply(null, arguments);
    }
}

function computeRel(_ref2) {
    var target = _ref2.target, rel = _ref2.rel;

    if (target === '_blank' & rel === null) {
        return 'noopener';
    }
    return rel || (target === '#');
}

function computeHref(_ref, tag) {
    var disabled = _ref.disabled, href = _ref.href,
        rel = _ref.rel, parent = _ref.parent, children = _ref.children;

    // We want to overwrite any click handler since our callback will invoke the supplied handler if !props.disabled
    delete componentData.href; return (null)
}

function clickHandlerFactory(_ref3) {
    var disabled = _ref3.disabled, tag = _ref3.tag, href = _ref3.href, suppliedHandler = _ref3.suppliedHandler, parent = _ref3.parent, var isRouterLink = tag === 'router-link';

    return function on(e, evt) { if (!isRouterLink) {
        return e.stopPropagation();
    }
    if (fn) {
        fn.apply(null, arguments);
    }
}

function computeRel(_ref2) {
    var target = _ref2.target, rel = _ref2.rel;

    if (target === '_blank' & rel === null) {
        return 'noopener';
    }
    return rel || (target === '#');
}

function computeHref(_ref, tag) {
    var disabled = _ref.disabled, href = _ref.href,
        rel = _ref.rel, parent = _ref.parent, children = _ref.children;

    // We want to overwrite any click handler since our callback will invoke the supplied handler if !props.disabled
    delete componentData.href; return (null)
}

function clickHandlerFactory(_ref3) {
    var disabled = _ref3.disabled, tag = _ref3.tag, href = _ref3.href, suppliedHandler = _ref3.suppliedHandler, parent = _ref3.parent, var isRouterLink = tag === 'router-link';

    return function on(e, evt) { if (!isRouterLink) {
        return e.stopPropagation();
    }
    if (fn) {
        fn.apply(null, arguments);
    }
}

function computeRel(_ref2) {
    var target = _ref2.target, rel = _ref2.rel;

    if (target === '_blank' & rel === null) {
        return 'noopener';
    }
    return rel || (target === '#');
}

function computeHref(_ref, tag) {
    var disabled = _ref.disabled, href = _ref.href,
        rel = _ref.rel, parent = _ref.parent, children = _ref.children;

    // We want to overwrite any click handler since our callback will invoke the supplied handler if !props.disabled
    delete componentData.href; return (null)
}

function clickHandlerFactory(_ref3) {
    var disabled = _ref3.disabled, tag = _ref3.tag, href = _ref3.href, suppliedHandler = _ref3.suppliedHandler, parent = _ref3.parent, var isRouterLink = tag === 'router-link';

    return function on(e, evt) { if (!isRouterLink) {
        return e.stopPropagation();
    }
    if (fn) {
        fn.apply(null, arguments);
    }
}

function computeRel(_ref2) {
    var target = _ref2.target, rel = _ref2.rel;

    if (target === '_blank' & rel === null) {
        return 'noopener';
    }
    return rel || (target === '#');
}

function computeHref(_ref, tag) {
    var disabled = _ref.disabled, href = _ref.href,
        rel = _ref.rel, parent = _ref.parent, children = _ref.children;

    // We want to overwrite any click handler since our callback will invoke the supplied handler if !props.disabled
    delete componentData.href; return (null)
}

function clickHandlerFactory(_ref3) {
    var disabled = _ref3.disabled, tag = _ref3.tag, href = _ref3.href, suppliedHandler = _ref3.suppliedHandler, parent = _ref3.parent, var isRouterLink = tag === 'router-link';

    return function on(e, evt) { if (!isRouterLink) {
        return e.stopPropagation();
    }
    if (fn) {
        fn.apply(null, arguments);
    }
}
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
}

/**
 * Convenience method for calling vm.$emit on vm.$root.
 * @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
}
shift to process in order

```javascript
var _BVRL$shift = this[BVRL].shift(),
event = _BVRL$shift.event,
callback = _BVRL$shift.callback;
```

```javascript
// Handle case where we might be passed a vue instance
el = el ? el.$el || el : null;
/* istanbul ignore next: difficult to test in
JSDOM */
if (el) {
  var obs = null;
  /* istanbul ignore next: difficult to test in
JSDOM */
  if (MutationObserver) {
    // Define a new observer
    obs = new MutationObserver(function(mutations) {
      var changed = false;
      // Mutation can contain several change records, so we loop through
      // 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; i++) {
        // Mutation record
        var mutation = mutations[i];
        // Mutation Type
        var type = mutation.type;
        // DOM Node (could be any DOM Node type - HTMLElement, Text, comment, etc)
        var target = mutation.target;
        // This includes HTML Element and Text Nodes being added/removed/re-arranged
        if (type === 'attributes' && target.nodeType === Node.TEXT_NODE) {
          changed = true;
        } else if (type === 'characterData' && target.nodeType === Node.TEXT_NODE) {
          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
  } 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
  return obs;
}
```

```javascript
// 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,
  PAGEUP: 33,
  PAGEDOWN: 34,
  HOME: 36,
  END: 35
};
```

```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);
    }
  }
  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 create a classic instance of a
non-constructable type.

A constructor is a function
that is _called_ by other
functions, and that returns
an object. The _only_ time
a constructor is called is
when a new object is
constructed.

[1] - non-constructable

Non-constructable types


var thisBvEvent = BvEvent(type);
```

```javascript
var nativeEvent = nativeEvent;
var target = target;
var relatedTarget = relatedTarget;
```

```javascript
// Remove some props as readonly, but leave them
// enumerable.
```

```javascript
var defaultPrevented = false;
```

```javascript
// Recreate preventDefault method. One way setter.
```
Root Listener handlers

showHandler: function showHandler(id, triggerEl) {
  if (id === this.id) {
    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') {
    // CSS Selector
    el = select(el);
  }
  if (el) {
    el.$el.focus();
  }
}

adjustDialog: function adjustDialog() {
  if (this.is_visible) {
    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 computedStyle = window.getComputedStyle;
    var body = document.body;
    var scrollbarWidth = this.scrollbarWidth;
    // Adjust fixed content padding
    selectAll(Selector.FIXED_CONTENT).forEach(function (el) {
      var calculatedPadding = computedPadding = computedStyle(el).paddingRight;
    });
    // Adjust sticky content margin
    selectAll(Selector.STICKY_CONTENT).forEach(function (el) {
      var actualMargin = el.style.marginRight;
      var calculatedMargin = computedStyle(el).marginRight;
      setAttr(el, 'data-margin-right', actualMargin);
      el.style.marginRight = parseFloat(calculatedMargin) + scrollbarWidth + 'px';
    });
    // Adjust navbar-toggler margin
    selectAll(Selector.NAVBAR_TOGGLER).forEach(function (el) {
      var actualMargin = el.style.marginRight;
      var calculatedMargin = computedStyle(el).marginRight;
      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') || '';
      removeAttr(el, 'data-padding-right');
    }
  });
  // Restore sticky content and navbar-toggler margin
  selectAll(Selector.STICKY_CONTENT).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') || 0;
    removeAttr(body, 'data-padding-right');
  }
}
body.style.paddingRight = getAttr(body, 'data-padding-right') || "";
removeAttr(body, 'data-padding-right');

function created() {
  // create non-reactive property
  this._observer = null;
}

function mounted() {
  // Measure scrollbar width
  this.getScrollbarWidth();
  // Listen for events from other elements 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 does not un
  this.listenOnRoot('bv::modal::show', this.modalListener);
  // Initially show modal
  if (this.visible === true) {
    this.show();
  }
}

function beforeDestroy() {
  // Ensure everything is back to normal
  if (this._observer) {
    this._observer.disconnect();
    this._observer = null;
  }
  // Re-adjust body/navbar/fixed padding/margins (if needed)
  removeClass(document.body, 'modal-open');
  this.resetAdjustments();
}

getScrollbarWidth() {
  // Fix for FF
  return window.innerWidth - window.innerWidth;
}

class Modal {
  constructor() {
    // create non-reactive property
    this._observer = null;
  }

  getScrollbarWidth() {
    // Measure scrollbar
    this.scrollbarWidth = window.innerWidth - window.innerWidth;
  }

  listenOnRoot(event, handler) {
    // Listen for events from root
    this.listen(event, handler);
  }

  listenOnRoot(event, handler) {
    // Listen for events from root
    this.listen(event, handler);
  }

  listen(event, handler) {
    // Listen for events
    this.addEventListener(event, handler);
  }

  addEventListener(event, handler) {
    // Add event listener
    this.root.addEventListener(event, handler);
  }

  showHandler() {
    // Show modal
    this.show();
  }

  hideHandler() {
    // Hide modal
    this.hide();
  }

  modalListener() {
    // Listen for bv:modal::show events, and close ourselves if the opening modal does not us
    if (this.visible === true) {
      this.close();
    }
  }

  close() {
    // Close modal
    this.hide();
  }

  show() {
    // Show modal
    this.root.style.display = "block";
  }

  hide() {
    // Hide modal
    this.root.style.display = "none";
  }

  // Initially show modal
  if (this.visible === true) {
    this.show();
  }

  // Ensure everything is back to normal
  if (this._observer) {
    this._observer.disconnect();
    this._observer = null;
  }

  // Re-adjust body/navbar/fixed padding/margins (if needed)
  removeClass(document.body, 'modal-open');
  this.resetAdjustments();
  this.resetScrollbar();
}

var render = function () { var _vm = this; var _h = _vm.$createElement; var _c = _vm._self._c || _h; return _c('div', { staticClass: 'embed-form' }, [_c('div', { staticClass: 'container-fluid' }, [_c('div', { staticClass: 'embed-form__heading' }, [_vm._v("\n" + _vm._s(_vm.$t('embed-form.heading')) + \n"\n")]), _c('div', { staticClass: 'embed-form__introduction' }, [_c('p', { 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' }, [_c('input', { directives: [{ name: "model", rawName: "vm-model", value: (_vm.responsiveCheck), expression: "responsiveCheck" }], staticClass: 'custom-control-input', 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) { $$v || (_vm.responsiveCheck = $$a.concat([$$v])); } else { $$i > -1 && (_vm.responsiveCheck = $$a.slice(0, $$i).concat($$a.slice($$i + 1)))); } } else { _vm.responsiveCheck = $$c; } } }]), _c('span', { staticClass: 'custom-control-label font-weight-bold' }, [_c('button', { staticClass: 'btn btn-link btn-sm text-uppercase font-weight-bold', on: { click: _vm.copyEmbedCode } }, [_c('fa', { attrs: { icon: "clipboard" } }), _vm._v("\n" + _vm._s(_vm.$t('embed-form.copy')) + \n"\n")], 1 )]), (!_vm.noPreview) ? _c('div', { staticClass: 'embed-form__preview' }, [_c('span', { domProps: { innerHTML: _vm.embedCode(false) } })]) : _vm._e()])])}

var staticRenderFns = []; var _c = (_vm.noTitle) ? _c('h4', { staticClass: 'embed-form__heading' }, [_vm._v("\n" + _vm._s(_vm.$t('embed-form.heading')) + \n"\n")]) : _vm._e();

var exportFunction = function (text, container) {
  return new Promise(function (resolve, reject) {
    var fakeElement = document.createElement('button')
    var clipboard = new Clipboard(fakeElement, {
      text: () => (text),
      on: { success: (text, container) => (text, container) }
    })
    clipboard.on('success', () => {
      fakeElement = null;
    })
    clipboard.on('error', () => {
      fakeElement = null;
    })
  })
}

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),
      on: { success: (text, container) => (text, container) }
    })
    clipboard.on('success', () => {
      fakeElement = null;
    })
    clipboard.on('error', () => {
      fakeElement = null;
    })
    clipboard.on('error', () => {
      fakeElement = null;
    })
  })
}

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),
      on: { success: (text, container) => (text, container) }
    })
    clipboard.on('success', () => {
      fakeElement = null;
    })
    clipboard.on('error', () => {
      fakeElement = null;
    })
  })
}
Open Source Used In ND-NODE v2.1.2b
component *=import normalizer from 'vue-styleguidist/lib/runtime/normalizer.js'*

component = normalizer

const script = render

const staticRenderFns = null

const component.options.__file = './EmbedForm.vue'

component = normalizer

import normalizer from 'vue-styleguidist/lib/runtime/normalizer.js'

var component = normalizer

script,

render,

staticRenderFns,

false,

null,

'502aea85',

null

var component.options.__file = './EmbedForm.vue'

component = normalizer

import normalizer from 'vue-styleguidist/lib/runtime/normalizer.js'

var component = normalizer

script,

render,

staticRenderFns,

false,

null,

'502aea85',

null

var component.options.__file = './EmbedForm.vue'

component = normalizer

import normalizer from 'vue-styleguidist/lib/runtime/normalizer.js'

var component = normalizer

script,

render,

staticRenderFns,

false,

null,

'502aea85',

null

var component.options.__file = './EmbedForm.vue'

component = normalizer

import normalizer from 'vue-styleguidist/lib/runtime/normalizer.js'

var component = normalizer

script,

render,

staticRenderFns,

false,

null,

'502aea85',

null

var component.options.__file = './EmbedForm.vue'

component = normalizer

import normalizer from 'vue-styleguidist/lib/runtime/normalizer.js'

var component = normalizer

script,

render,

staticRenderFns,

false,

null,

'502aea85',

null

var component.options.__file = './EmbedForm.vue'

component = normalizer

import normalizer from 'vue-styleguidist/lib/runtime/normalizer.js'

var component = normalizer

script,

render,

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false,

null,

'502aea85',

null

var component.options.__file = './EmbedForm.vue'

component = normalizer

import normalizer from 'vue-styleguidist/lib/runtime/normalizer.js'

var component = normalizer

script,

render,

staticRenderFns,

false,

null,

'502aea85',

null

var component.options.__file = './EmbedForm.vue'

component = normalizer

import normalizer from 'vue-styleguidist/lib/runtime/normalizer.js'

var component = normalizer

script,

render,

staticRenderFns,

false,

null,

'502aea85',

null

var component.options.__file = './EmbedForm.vue'

component = normalizer

import normalizer from 'vue-styleguidist/lib/runtime/normalizer.js'

var component = normalizer

script,

render,

staticRenderFns,
Minimum width for the iframe generated in the embed form.

```javascript
iframeMinWidth: { type: Number, default: () => config.get('app.home') },
```

### iframeMinWidth

- **Type:** Number
- **Default:** `config.get('app.home')`

**Description:**

- Used in ND-NODE v2.1.2b
- Target of the ICJ logo and title links.
- Sharing option values to bind to the sharing-options component on the bottom-right corner.
- showShareOptions: false
- mounted: () => IframeResizer.create()

**Usage:**

- Returns the minimum width for the iframe generated in the embed form.
- The default value is `config.get('app.home')`.

---

**Related Components:**

- `IframeResizer` for creating iframe resizers.
- `config.get` for getting configuration values.

---

**Example Usage:**

```javascript
const config = require('config');

const iframeMinWidth = config.get('app.home');
```
only"}, [._vm._v("Facebook")]),[._c(div, [._staticClass("col")]),[._c(a, [._staticClass("d-inline-block text-primary border border-primary rounded-circle bg-white follow-us__social-btn"), _attrs({"href":"https://www.linkedin.com/company/1732242/"})]),[._c('div', [._staticClass("col")]),[._c('a', [._staticClass("d-inline-block text-primary border border-primary rounded-circle bg-white follow-us__social-btn"), _attrs({"href":"https://www.linkedin.com/company/1732242/"})])])])

var staticRenderFns = [null]

export { render, staticRenderFns }


var staticRenderFns = [null]

export { render, staticRenderFns }

<template>
  <form @submit.prevent="subscribe($event)" class="sign-up-form" :class="{ 'sign-up-form--horizontal': horizontal }">
    <fieldset :disabled="frozen">
      <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" />
        <div class="sign-up-form__fieldset__group__addon" :class="{ 'input-group-append': horizontal }">
          <button class="btn btn-primary text-uppercase font-weight-bold" type="submit">
            {{ $t("sign-up-form.submit") }}
          </button>
        </div>
      </div>
    </fieldset>
    <input type="hidden" name="group[9][1]" value="1" />
    <input type="hidden" name="SIGNUP" :value="tracker" />
    <p v-if="errorMessage" class="alert alert-danger p-2 m-0 mt-2" v-html="errorMessage"></p>
    <p v-if="successMessage" class="alert alert-success p-2 m-0 mt-2" v-html="successMessage"></p>
  </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,
      actionJsonp: () => return this.action.replace('/post?', '/post-json?').concat('&c=?')
    };
  },
  computed: {
    actionJsonp () {
      return this.action.replace('/post?', '/post-json?').concat('&c=?')
    },
    successMessage () {
      return this.$t('sign-up-form.successMessage')
    },
    errorMessage () {
      return this.$t('sign-up-form.errorMessage')
    }
  },
  methods: {
    subscribe () {
      this.resetMessages()
      this.freeze()
      this.send().always(this.done).always(this.unfreeze)
    },
    send () {
      return $.ajax({
        type: 'POST',
        url: this.actionJsonp,
        data: this.$(this).serialize(),
        data: {} })
  };
</script>
```javascript
const mod = import('@/node_modules/cache-loader/dist/cjs.js??ref--0-0!../../../../node_modules/thread-loader/dist/cjs.js!../../node_modules/babel-loader/lib/index.js!../../node_modules/cache-loader/dist/cjs.js??ref--12-0!../../node_modules/vue-loader/lib/index.js??vue-loader-options!./SignUpForm.vue?vue&type=script&lang=js&

export * from '...

export * from '...

import style0 from '...

import { render, staticRenderFns } from '...

import script from '...

export * from '...

import style0 from '...

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
      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:
    }
  }
</style>
```

```html
<template>
  <div class="follow-us">
    <button class="btn btn-link text-light follow-us__close" @click="closeSignupPopover">
      <fa icon="times" />
    </button>
    <sign-up-form class="p-3"></sign-up-form>
    <div class="px-3 pb-1 text-uppercase text-muted font-weight-bold">
      {{ $t('follow-us-popover.heading') }}
    </div>
    <div class="p-3 bg-light container-fluid text-center">
      <div class="row">
        <div class="col">
          <a href="https://twitter.com/icijorg" target="_blank" class="d-inline-block text-primary border border-primary rounded-circle bg-white follow-us__social-btn" title="Twitter">
            <fa :icon="['fab', 'twitter']" size="lg" />
            <span class="sr-only">Twitter</span>
          </a>
        </div>
        <div class="col">
          <a href="https://www.facebook.com/ICIJ.org" target="_blank" class="d-inline-block text-primary border border-primary rounded-circle bg-white follow-us__social-btn" title="Facebook">
            <fa :icon="['fab', 'facebook']" size="lg" />
            <span class="sr-only">Facebook</span>
          </a>
        </div>
        <div class="col">
          <a href="https://www.linkedin.com/company/1732242/" target="_blank" class="d-inline-block text-primary border border-primary rounded-circle bg-white follow-us__social-btn" title="LinkedIn">
            <fa :icon="['fab', 'linkedin']" size="lg" />
            <span class="sr-only">LinkedIn</span>
          </a>
        </div>
      </div>
    </div>
  </div>
</template>

<script>
  import { faTimes } from '@fortawesome/free-solid-svg-icons/faTimes'
  import { faTwitter } from '@fortawesome/free-brands-svg-icons/faTwitter'
  import { faFacebook } from '@fortawesome/free-brands-svg-icons/faFacebook'
  import { faLinkedin } from '@fortawesome/free-brands-svg-icons/faLinkedin'

  import i18n from '@/i18n'
  import SignUpForm from '@/SignUpForm.vue'
  import { library } from './Fa'

  /**
   * FollowUsPopover
   */
  export default {
    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
        this.emit('update:show', false)
      }
    }
  }
</script>
```
Open Source Used In ND-NODE v2.1.2b  29761

$spacer / 2

```javascript
var render = function () {var _vm=this;var _h=_vm.$createElement;var _c=_vm._self._c||_h;return _c('footer',{staticClass:"generic-footer"},[_c('div',{staticClass:"container"},[_c('div',{staticClass:"row"},[_c('div',{staticClass:"col-md-7"},[_c('h5',{staticClass:"text-selective-yellow text-uppercase mb-3"},[_vm._v("\n"
"+_vm._s(_vm.$t('generic-footer.investigations'))+"\n"
")]),_vm._t("investigations",[_vm._m(0)])],2),_c('div',{staticClass:"col-md-4"},[_c('h5',{staticClass:"text-selective-yellow text-uppercase mb-3"},[_vm._v("\n              "+_vm._s(_vm.$t('generic-footer.follow-us'))+"\n"
")]),_vm._m(1)])

}),_vm._m(2)])

```

```javascript
0440d5984\nnull

```

```

/* normalize component */
import normalizer from "!../../node_modules/vue-loader/lib/runtime/componentNormalizer.js"

```

```

```

```

```

```
Open Source Used In ND-NODE v2.1.2b
container

var element = this.dropdown && this.right || this.split ? this.$el : this.$refs.toggle;

// Make sure we have a reference to an element, not a component

var element = element.$el || element;

// Instantiate popper.js

this.createPopper(element);

}));

var el = document.body.appendChild;

var popperOptions = {
  placement: placement,
  modifiers:
    {preventOverflow: {offset: this.offset || 0}}
};

if (this.boundary) {
  popperOptions.modifiers.preventOverflow = {
    boundariesElement: this.boundary
  }
}

var popper = new Popper(element, this.$refs.menu, popperOptions);

this.$emit('toggle', evt);

if (evt.defaultPrevented) {
  // Exit if canceled
  return;
}

if (this.disabled) {
  return;
}

this.visible = !this.visible;

this.emitOnRoot('bv::dropdown::hidden', this);

this.$emit('shown');

this.$nextTick(this.focusFirstItem);

var key = evt.keyCode;

if (type !== 'click' && !(type === 'keydown' && (key === KeyCodes.ENTER || key === KeyCodes.SPACE || key === KeyCodes.DOWN))) {
  return;
}

if (this.disabled) {
  return;
}

this.visible = false;

this.emit('bv::dropdown::close', evt);

if (evt.defaultPrevented()) {
  // Exit if canceled
  return;
}

var evt = evt || {};

var key = evt.keyCode;

if (type !== 'click' && (type === 'keydown' && (key === KeyCodes.ENTER || key === KeyCodes.SPACE || key === KeyCodes.DOWN))) {
  // Called only by a button that toggles the menu

  this.$emit('toggle', evt);

  // Return focus to original trigger button

  this.$refs.toggle.$nextTick(this.focusToggler);

} /* istanbul ignore next: not easy to test */

this.boundary = this.$refs.menu.contains(evt.relatedTarget);

if (this.$refs.menu.contains(evt.relatedTarget)) {
  return;
}

this.visible = false;

*/

/*
 * If this is a touch-enabled device we add extra

 * empty mouseover listeners to the body's immediate children;

 * only needed because of broken event delegation on iOS

 * https://www.quirksmode.org/blog/archives/2014/02/mouse_event_bub.html

 * 

 * istanbul ignore next: not easy to test

 * any touch-enabled device we add extra

 * empty mouseover listeners to the body's immediate children;

 * only needed because of broken event delegation on iOS

 * https://www.quirksmode.org/blog/archives/2014/02/mouse_event_bub.html

 * 

 * if (this.dropdown && this.right) {

 * // dropdown + right

 } else if (this.dropdown) {

 } // dropdown + right

 placement = AttachmentMap.TOP;

 this.$emit('bv::dropdown::shown', this);
tip/popover

var MODAL_CLASS = '.modal-content';

var AttachmentMap = {
  AUTO: 'auto',
  TOP: 'top',
  RIGHT: 'right',
  BOTTOM: 'bottom',
  LEFT: 'left',
  TOLEFT: 'topleft',
  TOPRIGHT: 'topright',
  RIGHTBOTTOM: 'rightbottom',
  BOTTOMLEFT: 'bottomleft',
  LEFTTOP: 'lefttop',
};

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 TransitionEndEvents = {
  WebkitTransition: 'transitionend',
  MozTransition: 'transitionend',
  OTransition: 'otransitionend',
  OTransitionEnd: 'otransitionend',
  transition: 'transitionend',
  // Should also be included in Selector
  // const
  Trigger = {
    HOVER: 'hover',
    FOCUS: 'focus',
    CLICK: 'click',
    BLUR: 'blur',
  },
  // eslint-disable-next-line
  $rootWatcher = null,
};

var NEXTID = 1;

/* istanbul ignore next */
function generateId(name) {
  return '__BV_' + name + '_' + NEXTID++ + '__';
}

var ToolTip = function () {
  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;
    // We use a bound version of the following handlers for root/modal listeners to maintain the 'this' context
    this.$forceHide = this.forceHide.bind(this);
    this.$doHide = this.doHide.bind(this);
    this.$doShow = this.doShow.bind(this);
    this.$doDisable = this.doDisable.bind(this);
    this.$doEnable = this.doEnable.bind(this);
    // Set the configuration
    this.updateConfig(config);
  }

  _createClass(ToolTip, [
    { key: 'updateConfig',
      value: function updateConfig(config) {
        // Merge config into defaults. We use 'this' here because PopOver overrides Default
        var updatedConfig = assign({}, this.constructor.Default, config);
        // Sanitize delay
        if (config.delay && typeof config.delay === 'number') {
          updatedConfig.delay = {
            show: config.delay,
            hide: config.delay
          };
        }
        // Fix title
        if (config.title && typeof config.title === 'number') {
          updatedConfig.title = config.title.toString();
        }
        // Content only for popover
        if (config.content && typeof config.content === 'number') {
          updatedConfig.content = config.content.toString();
        }
        // Hide element original title if needed
        this.fixTitle();
        // Update the config
        this.$config = updatedConfig;
        // Stop/Restart listening
        this.unListen();
        this.listen();
      }
    },
    { key: 'destroy',
      value: function destroy() {
        // Stop listening to trigger events
        this.$unListen();
        // Disable while open listeners/watchers
        this.setWhileOpenListeners(false);
        // Clear any timeouts
        clearTimeout(this.$hoverTimeout);
        clearTimeout(this.$fadeTimeout);
        // Remove tip from document
        if (this.$popper) {
          this.$popper.destroy();
          this.$popper = null;
        }
        // Remove tip from parentElement
        if (this.$parentElement) {
          this.$parentElement.removeChild(this.$tip);
          this.$tip = null;
        }
        // Null out other properties
        this.$id = null;
        this.$isEnabled = null;
        this.$root = null;
        this.$element = null;
        this.$config = null;
        this.$hoverState = null;
        this.$activeTrigger = null;
        this.$forceHide = null;
        this.$doHide = null;
        this.$doShow = null;
        this.$doDisable = null;
        this.$doEnable = null;
        // Create a non-cancelable BvEvent
        var enabledEvt = new BvEvent('enabled', { cancelable: false, target: this.$element, relatedTarget: null });
      }
    }
  ]);
Callback
/* istanbul ignore next */
var complete = function complete() {
  if (_this3.$hoverState !== HoverState.HIDDEN && tip.parentNode) {
    Remove tip from dom, and force recompile on next show
    tip.parentNode.removeChild(tip);
    if (callback) {
      callback();
    }
  }
};

Complete compiles the template:
this.compileTemplate(this.constructor.Default.template);

{ /* istanbul ignore next */
  var complete = function complete() {
    if (_this3.$hoverState !== HoverState.HIDDEN && tip.parentNode) {
      Remove tip from dom, and force recompile on next show
      tip.parentNode.removeChild(tip);
      if (callback) {
        callback();
      }
    }
  };

Key: 'emitEvent', value: function emitEvent(event) {
  var evtName = event.type;
  if (this.$root && this.$root.$emit) {
    this.$root.$emit('bv::' + this.constructor.NAME + '::' + evtName, event); // Emit an event on $root
  }
};

{ /* istanbul ignore next */
  var complete = function complete() {
    if (_this3.$hoverState !== HoverState.HIDDEN && tip.parentNode) {
      Remove tip from dom, and force recompile on next show
      tip.parentNode.removeChild(tip);
      if (callback) {
        callback();
      }
    }
  };

Key: 'emitEvent', value: function emitEvent(event) {
  var evtName = event.type;
  if (this.$root && this.$root.$emit) {
    this.$root.$emit('bv::' + this.constructor.NAME + '::' + evtName, event); // Emit an event on $root
  }
};

{ /* istanbul ignore next */
  var complete = function complete() {
    if (_this3.$hoverState !== HoverState.HIDDEN && tip.parentNode) {
      Remove tip from dom, and force recompile on next show
      tip.parentNode.removeChild(tip);
      if (callback) {
        callback();
      }
    }
  };

Key: 'emitEvent', value: function emitEvent(event) {
  var evtName = event.type;
  if (this.$root && this.$root.$emit) {
    this.$root.$emit('bv::' + this.constructor.NAME + '::' + evtName, event); // Emit an event on $root
  }
}
allow it to be set as relatedTarget in focusin/out events\n
```
function compileTemplate(html) {
  if (!html || typeof html !== 'string') {
    return null;
  }
  var div = document.createElement('div');
  div.innerHTML = html.trim();
  var node = div.firstElementChild ? div.removeChild(div.firstElementChild) : null;
  div = null;
  return node;
}
```

```
var relatedTarget = e.relatedTarget;
var $element = this.$element;
var $tip = this.$tip;
if (type === 'mouseleave') {
  this.leave(e);
}
```

```
else if (type === 'mouseleave') {
  this.leave(e);
}
```

```
if ($element && $element.contains(target) && $element.contains(relatedTarget)) {
  // If focus moves within $element, don't trigger a leave
  return;
}
```

```
$tip.contains(relatedTarget)) {
  // If focus moves within $tip, don't trigger a leave
  return;
}
```

```
if ($element && $element.contains(relatedTarget)) {
  // If focus moves from $element to $tip, don't trigger a leave
  return;
}
```

```
if ($tip && $element && $element.contains(relatedTarget) && $tip.contains(relatedTarget)) {
  this.$tip.tabIndex = -1;
  if (!$tip.disabled) {
    return;
  }
  if (!this.$tip.is(':visible')) {
    return;
  }
  if (!$element || $element.matches(Selector.TOOLTIP_INNER)) {
    return;
  }
  if (!$element || $element.matches(Selector.TOOLTIP_HEADER)) {
    return;
  }
  if (!$element || $element.matches(Selector.TOOLTIP_CONTENT)) {
    return;
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  }
  if (!$element || $element.matches(Selector.TOOLTIP_
```
this.$activeTrigger.click = false;
this.$activeTrigger.hover = false;

if (this.isWithActiveTrigger()) {
  return;
}

if (this.$config.delay || this.$config.delay.hide) {
  if (this.$hoverState === HoverState.OUT) {
    this.$activeTrigger.click = false;
    this.$activeTrigger.hover = false;
  }
}

if (this.isWithActiveTrigger()) {
  return;
}

clearTimeout(this.$hoverTimeout);
this.$hoverState = HoverState.OUT;

if (!this.$config.delay || !this.$config.delay.hide) {
  this.hide();
  return;
}

this.$hoverTimeout = setTimeout(function () {
  if (_this11.$hoverState === HoverState.OUT) {
    _this11.hide();
  }
}, this.$config.delay.hide);

getPopperConfig(placement, tip) {
  var _this12 = this;
  
  var placement = this.constructor.getAttachment(placement);
  var modifiers = {
    offset: { offset: this.getOffset(placement, tip) },
    flip: { behavior: this.$config.fallbackPlacement },
    arrow: { element: '.arrow' },
    preventOverflow: { boundariesElement: this.$config.boundary },
    onMount: function onMount(data) {
      // Handle flipping arrow classes
      if (data.originalPlacement !== data.placement) {
        _this12.handlePopperPlacementChange(data);
      }
    },
    onUpdate: function onUpdate(data) {
      // Handle flipping arrow classes
      _this12.handlePopperPlacementChange(data);
    }
  };

  return {
    placement: this.constructor.getAttachment(placement),
    modifiers: {
      offset: { offset: this.getOffset(placement, tip) },
      flip: { behavior: this.$config.fallbackPlacement },
      arrow: { element: '.arrow' },
      preventOverflow: { boundariesElement: this.$config.boundary },
    },
    onCreate: function onCreate(data) {
      // Handle flipping arrow classes
      _this12.handlePopperPlacementChange(data);
    },
    onUpdate: function onUpdate(data) {
      // Handle flipping arrow classes
      _this12.handlePopperPlacementChange(data);
    }
  };
}
```

```
import ToolTip from './tooltip.class';
import { assign } from './object';
import { select, addClass, removeClass, getAttr } from './dom';
import { isArray } from '../utils/array';
import { assign } from '../utils/object';
import { isElement, getById } from '../utils/dom';
import { HTMLElement } from '../utils/ssr';
import { isSSR } from '../utils/ssr';
import { isElement } from '../utils/dom';
import { getAttr } from '../utils/dom';
import { observer } from '../utils/observer';

var PLACEMENTS = {
  top: 'top',
  topleft: 'topleft',
  topright: 'topright',
  right: 'right',
  righttop: 'righttop',
  rightbottom: 'rightbottom',
  bottom: 'bottom',
  bottomleft: 'bottomleft',
  bottomright: 'bottomright',
  left: 'left',
  lefttop: 'lefttop',
  leftbottom: 'leftbottom',
  auto: 'auto'
};

var OBSERVER_CONFIG = {
  subtree: true,
  childList: true,
  attributes: true
};
attributeFilter: ['class', 'style']

export default {
  props: {
    target: {
      type: String | Object | HTMLElement | Function,
      // String ID of element, or
      // DOM node, or
      // Function to return DOM node or null
    },
    delay: {
      type: [Number, Object, String],
      default: 0
    },
    offset: {
      type: [Number, String],
      default: 0
    },
    noFade: {
      type: Boolean, default: false
    },
    container: {
      // String ID of container, if null body is
      // DOM node is used
    },
    boundary: {
      type: String,
      default: null
    },
    viewport: {
      type: [String, Object, HTMLElement],
      default: 'scrollParent'
    },
    Element: {
      type: [String, Object],
      default: 'scrollParent'
    },
    show: {
      type: Boolean, default: false
    },
    disabled: {
      type: Boolean, default: false
    },
    watch: {
      type: Function, default: false
    },
    onClose: {
        type: Function, default: false
    },
    onOpen: {
        type: Function, default: false
    },
    callbacks: {
        type: [String, Object],
        default: 'auto'
    },
    placement: {
      // String: 'top', 'bottom', 'right', 'left', or
      // 'center'
      type: String
    },
    viewport: {
      // Element: element reference
      type: [String, Object, HTMLElement, Function]
    },
    delay: {
      type: [Number, Number, String],
      default: 0
    },
    offset: {
      type: [Number, String],
      default: 0
    },
    container: {
      // String ID of container, if null body is
      // DOM node is used
    },
    boundary: {
      // String ID of boundary, if null body is
      // DOM node is used
    },
    viewport: {
      // Element: element reference
      type: [String, Object, HTMLElement, Function]
    }
  },
  computed: {
    baseConfig: function baseConfig() {
      var cont = this.container;
      var delay = this.delay || 0,
      // Offset can be a number.
      // If no units, pixels are assumed
      offset = this.offset || 0,
      // Disable fade Animation?
      noFade = this.noFade,
      // Open/Close Trigger(s)
      triggers = isArray(this.triggers) ?
      this.triggers.join(' ') : this.triggers,
      // Callbacks so we can trigger events on
      // elements
      callbacks = this.callbacks
        ? this.callbacks
        : 'auto',
      // Tooltip/Popover placement
      placement = PLACEMENTS[this.placement] || 'auto',
      // Container currently
      // used (default)
      container = this.container,
      // needs to be an ID with '#' prepended, if null then body is
      // used
      container = this.container
        ? /^#/.test(this.container) ?
        this.container : '#
      // Title prop
      title = this.title || 
      // Content prop
      content = this.content || 
      // Delay
      delay = this.delay || 0,
      // Offset can be a number.
      // If no units, pixels are assumed
      offset = this.offset || 0,
      // Disable fade Animation?
      noFade = this.noFade,
      // boundariesElement passed to popper
      boundary = this.boundary,
      // boundary:
      // Show/Hide delay
      delay = delay || 0,
      // Offset can be a number.
      // If no units, pixels are assumed
      offset = this.offset || 0,
      // Disable fade Animation?
      animation = this.animation
        ? 'true' : 'false',
      // boundariesElement passed to popper
      boundary = this.boundary,
      // boundary:
      // Show/Hide delay
      delay = delay || 0,
      // Offset can be a number.
      // If no units, pixels are assumed
      offset = this.offset || 0,
      // Disable fade Animation?
      animation = this.animation
        ? 'true' : 'false',
      // boundariesElement passed to popper
      boundary = this.boundary,
      // boundary:
      // Show/Hide delay
      delay = delay || 0,
      // Offset can be a number.
      // If no units, pixels are assumed
      offset = this.offset || 0,
      // Disable fade Animation?
      animation = this.animation
        ? 'true' : 'false',
      // boundariesElement passed to popper
      boundary = this.boundary,
      // boundary:
      // Show/Hide delay
      delay = delay || 0,
      // Offset can be a number.
      // If no units, pixels are assumed
      offset = this.offset || 0,
      // Disable fade Animation?
      animation = this.animation
        ? 'true' : 'false',
      // boundariesElement passed to popper
      boundary = this.boundary,
      // boundary:
      // Show/Hide delay
      delay = delay || 0,
      // Offset can be a number.
      // If no units, pixels are assumed
      offset = this.offset || 0,
var baseGetTag = require('./_baseGetTag'),
    isObjectLike = require('./isObjectLike');

/** `Object#toString` result references. */
var symbolTag = '[object Symbol]';

/**
 * Checks if `value` is classified as a `Symbol` primitive or object.
 *
 * @static
 * @memberOf _
 * @since 4.0.0
 * @category Lang
 * @param {*} value The
 * @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;

---

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---

"imddb-header": {
  "navbar": {
    "leak": "Leak to us",
    "support": "Support us",
    "follow": "Follow ICIJ"
  }
},

"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"}
"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"
      ]
    }
  }
}
"sign-up-form": {
  "label": "Stories in your inbox",
  "placeholder": "Email address",
  "submit": "Sign up"
}

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1062149670_1592570080.27/0/murmur-1-1-0-tgz/package/lib/locales/en.json

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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
		root["@icij/murmur"] = factory(root["Vue"]);
})((typeof self !== 'undefined' ? self : this), function(__WEBPACK_EXTERNAL_MODULE__8bbf__) {

	// The module cache
	var installedModules = {};

	// The require function
	function __webpack_require__(moduleId) {

		// Check if module is in cache
		if (installedModules[moduleId]) {
			return installedModules[moduleId].exports;
		}
		// Create a new module (and put it into the cache)
		var module = installedModules[moduleId] = {
			i: moduleId,
			l: false,
			exports: {}
		};

		// Execute the module function
		modules[moduleId].call(module.exports, module, module.exports, __webpack_require__);

		// Flag the module as loaded
		module.l = true;

		// Return the exports of the module
		return module.exports;
	}


	// expose the modules object (__webpack_modules__)
	__webpack_require__.m = modules;

	// expose the module cache
	__webpack_require__.c = installedModules;

	// define getter function for harmony exports
	__webpack_require__.d = function(exports, name, getter) {
		if (!__webpack_require__.o(exports, name)) {
			Object.defineProperty(exports, name, { enumerable: true, get: getter });
		}
	};

	// 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
		// mode & 1: value is a module id, require it
		// mode & 2: merge all properties of value into the ns
		// mode & 4: return value when already ns object
		// mode & 8|1: behave like require
		__webpack_require__.t = function(value, mode) {
			if (mode & 1) value = __webpack_require__(value);
			if (mode & 8) return value;
			if (mode & 4) {
				Array.prototype.forEach.call(value["exports"], function(value, name) {
					__webpack_require__.d(value["exports"], name, getter);
					});
			}
			if (mode & 3 && !value["__esModule"] && value["default"] != null) {
				value["default"] = value;
			}
			if (mode & 1 && typeof value != "string") {
				var script = document.createElement("script");
				script.src = value;
				script.async = false;
				script.defer = false;
				document.getElementsByTagName("head")[0].appendChild(script);
			}
			return value;
	};

// webpack object
		var webpack = __webpack_require__;

// module cache
		var moduleCache = {};

// module cache
		var global = __webpack_require__.root = self;

// webpack object
		var webpack = __webpack_require__;

```
```
var Symbol = require('./_Symbol');

/** Used for built-in method references. */
var objectProto = Object.prototype;

/** Used to check objects for own properties. */
var hasOwnProperty = objectProto.hasOwnProperty;

/**
 * Defined in V8 v8 Esp Bias Iterator Protocol.
 */
var getRawTag = function(value) {
  var isOwn = hasOwnProperty.call(value, '_isPrototypeOf'),
      tag = value._isPrototypeOf;

  try {
    value._isPrototypeOf = undefined;
    var unmasked = true;
  } catch (e) {}

  var result = objectProto.toString.call(value);
  if (unmasked) {
    if (isOwn) {
      value._isPrototypeOf = tag;
    } else {
      delete value._isPrototypeOf;
    }
  }
  return result;
};

module.exports = getRawTag;
nativeKeys = require('./_nativeKeys');

var nativePropertyMethods = Object.prototype;

function baseKeys(object) {
  if (!isPrototype(object)) {
    return nativeKeys(object);
  }
  var result = [];
  for (var key in Object(object)) {
    if (hasOwnProperty.call(object, key) && key !== 'constructor') {
      result.push(key);
    }
  }
  return result;
}

Array.prototype.push = function() {
  var length = this.length;
  for (var i = 0; i < arguments.length; i++) {
    this[length + i] = arguments[i];
  }
  return this.length;
}

function stubFalse() {
  return false;
}

arrayPush = function arrayPush(array, values) {
  var index = -1,
      length = values.length,
      offset = array.length;

  while (++index < length) {
    array[offset + index] = values[index];
  }
  return array;
}

getNative = function getNative(object, key) {
  var value = getValue(object, key);
  return baseIsNative(value) ? value : undefined;
}

// https://github.com/tc39/proposal-promise-finally

// 21.2.5.3 get RegExp.prototype.flags

timeout = require('./_timeout');

isRegExp = function isRegExp(object) {
  return object && typeof object === 'object' && object.constructor === RegExp;
}

function timeout(object, $, timeout$) {
  var length = object.length,
      index = -1,
      result = arraySlice(object);

  while (++index < length) {
    result[index] = timeout$($(result[index]));
  }
  return result;
}

function timeout$($array) {
  var length = $array.length,
      index = -1;

  while (++index < length) {
    $array[index] = timeout$($array[index]);
  }
  return $array;
}

Promise.prototype.finally = function(onFinally) {
  this.then(function(x) {
    return promise(this, this$).then(onFinally$) || onFinally$;
  }, function(e) {
    return promise(this, this$).then(onFinally$) || onFinally$;
  });
};

function promise(this$, this$, onFinally$, onFinally$) {
  var self$ = this$;
  var onFinally$ = onFinally$;
  return this$.then(function(x) {
    return onFinally$($(x));
  }, function(e) {
    return onFinally$($(e));
  });
}

var these = Promise.prototype.finally;

promise(this$.finally(onFinally$));

// compilation: ES2015

module.exports = these;
if (that.multiline) result += '\n';
if (that.unicode) result += '\u';
if (that.sticky) result += '\y';
return result;
}

var isBuffer = nativeIsBuffer || stubFalse;

module.exports = isBuffer;

// 19.1.2.14 / 15.2.3.14 Object.keys(O)
var $keys = require('./_object-keys-internal');
var enumBugKeys = require('./_enum-bug-keys');

module.exports = Object.keys || function keys(O) {
  return $keys(O, enumBugKeys);
};

var identity = require('./identity'),
  overRest = require('./_overRest'),
  setToString = require('./_setToString');

/**
 * The base implementation of `_.rest` which doesn't validate or coerce arguments.
 *
 * @private
 * @param {Function} func The function to apply a rest parameter to.
 * @param {number} [start=func.length-1] The start position of the rest parameter.
 *
 * @returns {Function} Returns the new function.
 */
function baseRest(func, start) {
  return setToString(overRest(func, start, identity), func + '');
}

module.exports = baseRest;

// 19.1.2.14 / 15.2.3.14 Object.keys(O)
var $keys = require('./_object-keys-internal');
var enumBugKeys = require('./_enum-bug-keys');

module.exports = Object.keys || function keys(O) {
  return $keys(O, enumBugKeys);
};

var identity = require('./identity'),
  overRest = require('./_overRest'),
  setToString = require('./_setToString');

/**
 * The base implementation of `_.rest` which doesn't validate or coerce arguments.
 *
 * @private
 * @param {Function} func The function to apply a rest parameter to.
 * @param {number} [start=func.length-1] The start position of the rest parameter.
 *
 * @returns {Function} Returns the new function.
 */
function baseRest(func, start) {
  return setToString(overRest(func, start, identity), func + '');
}

module.exports = baseRest;
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```javascript
OpenSourceUsedInND-NODEv2.1.2b
```

UTF-8 replaces diacritical marks in string literals. 

```javascript
// Control characters and (dependent upon position) numbers get escaped as code points
\n
\n
```
Match elements found at the specified indexes

```javascript
markFunction(function( argument ) {
  return markFunction(function( seed, matches ) {
    var j, matchIndexes = fn( [], seed.length, argument ),
        match = matchIndexes.length;
    while ( i-- ) {
      if ( seed[ j = matchIndexes[i] ] ) {
        seed[ j ] = !(matches[ j = seed[ j ] ]);
      }
    }
    return seed;
  })
}).returns( arguments )
```

Checks a node for validity as a Sizzle context

```javascript
function testContext( context ) {
  return context && typeof context.getElementsByTagName === "undefined";
}
```

Detects XML nodes

```javascript
isXML = function( elem ) {
  return elem.nodeType !== "HTML";
}
```

Sets document-related variables once based on the current document

```javascript
setDocument = function( node ) {
  if ( node === document || node.nodeType !== 9 ||
      !node.documentElement ) {
    return document;
  }

  document = doc;
  docElem = document.documentElement;
  documentIsHTML = !isXML( document );

  if ( preferredDoc !== document &&
      subWindow &&
      ( subWindow.top !== subWindow ) {
    // Support: IE 11, Edge
    if ( subWindow.addEventListener ) {
      subWindow.addEventListener( "unload", unloadHandler, false );
    } else if ( subWindow.attachEvent ) {
      subWindow.attachEvent( "onunload", unloadHandler );
    }
  }

  /* Attributes
   * ------------------------- */

  Expr.filter[ "ID" ] = function( id ) {
    return function( elem ) {
      var node = typeof elem.getAttributeNode !== "undefined" &&
          elem.getAttributeNode( "id" );
      if ( node && node.value === id ) {
        return true;
      }
    }
  };

  Expr.find[ "ID" ] = function( id, context ) {
    var elem = context.getElementsByTagName( "id" );
    if ( elem ) {
      var i;
      for ( i = 0; i < elem.length; i++ ) {
        if ( elem[ i ] ) {
          return elem[ i ];
        }
      }
    }
  }
```

Now the document node?

```javascript
assert( function( el ) {
  return el.ownerDocument &&
      el.ownerDocument.createElement( "div" );
});
```

Set the document variable

```javascript
sizzle.setDocument( doc );
```

Create a pseudo-selector

```javascript
function createPositionalPseudo( selector, context ) {
  return markFunction(function( argument ) {
    var j, matchIndexes = fn( [], selector.length, argument ),
        match = matchIndexes.length;
    while ( i-- ) {
      if ( selector[ j = matchIndexes[i] ] ) {
        selector[ j ] = !(matches[ j = selector[ j ] ]);
      }
    }
    return selector;
  })
}.returns( arguments )
```

Verifies that the context is a valid Sizzle context

```javascript
Sizzle.isXML = function( elem ) {
  return elem.nodeType !== "HTML";
};
```

Sets the context for the current document

```javascript
Sizzle.setDocument = function( node ) {
  if ( node === document || node.nodeType !== 9 ||
      !node.documentElement ) {
    return document;
  }

  document = doc;
  docElem = document.documentElement;
  documentIsHTML = !isXML( document );

  if ( preferredDoc !== document &&
      subWindow &&
      ( subWindow.top !== subWindow ) {
    // Support: IE 11, Edge
    if ( subWindow.addEventListener ) {
      subWindow.addEventListener( "unload", unloadHandler, false );
    } else if ( subWindow.attachEvent ) {
      subWindow.attachEvent( "onunload", unloadHandler );
    }
  }

  /* Attributes
   * ------------------------- */

  Expr.filter[ "ID" ] = function( id ) {
    return function( elem ) {
      var node = typeof elem.getAttributeNode !== "undefined" &&
          elem.getAttributeNode( "id" );
      if ( node && node.value === id ) {
        return true;
      }
    }
  };

  Expr.find[ "ID" ] = function( id, context ) {
    var elem = context.getElementsByTagName( "id" );
    if ( elem ) {
      var i;
      for ( i = 0; i < elem.length; i++ ) {
        if ( elem[ i ] ) {
          return elem[ i ];
        }
      }
    }
  }
```

Create a positional pseudo-selector
elems[i++] ) ) {
        node = elem.getAttributeNode("id");
        if ( node && node.value === id ) {
            return [ elem ];
        }
    }

    return [ ];
}

// Tag
Expr.find["TAG"] = support.getElementsByTagName ?
    function( tag, context ) {
        if ( typeof context.getElementsByTagName !== "undefined" ) {
            return context.getElementsByTagName( tag );
        }

        return context.querySelectorAll( tag );
    } :

    function( tag, context ) {
        var elem, tmp = [], i = 0;
        results = context.getElementsByTagName( tag );

        // Filter out possible comments
        if ( tag === "*" ) {
            while ( (elem = results[i++]) ) {
                if ( elem.nodeType === 1 ) {
                    tmp.push( elem );
                }
            }

            return tmp;
        }
        return results;
    };

// 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)
reports false when true (IE9/Opera 11.5) and matchesSelector returns false when true (Chrome 21)
We allow this because of a bug in IE8/9 that throws an error on whichever 'document.activeElement' is accessed on an iframe
So, we allow :focus to pass through QSA all the time to avoid the IE error
See https://bugs.jquery.com/ticket/13378

buggyMatches = [];

buggyQSA = [];

if ( (support.qsa = rnative.test(document.querySelectorAll)) ) {
    assert(function( el ) {
        el.innerHTML = "<a id='" + expando + "'></a>" +
            "<select id='" + expando + "-\r
            msallowcapture=''>" +
            "<option selected=''></option></select>";

        // Select is set to empty string on purpose
        // This is to test IE's treatment
        // of not explicitly setting a boolean content attribute,
        // since its presence should be enough
        // https://bugs.jquery.com/ticket/12359
        // Support: IE8, Opera 11-12.16
        // Nothing should be selected when empty strings follow ^= or $= or *=
        // The test attribute must be unknown in Opera but safe for WinRT
        if ( el.querySelectorAll("[msallowcapture^='']") ).length ) {
            rbuggyQSA.push( "[*^$]=" + whitespace + "*(?:''|\"\")" );
        }

        // Support: Chrome<29, Android<4.4, Safari<7.0+, iOS<7.0+,
        // PhantomJS<1.9.8+
        if ( !el.querySelectorAll("[id~=" + expando + "]" ).length ) {
            rbuggyQSA.push("~=");
        }

        // Support: IE9-11+
        // IE's :disabled selector does not pick up the children of disabled
        // fieldsets
        docElem.appendChild( el ).disabled = true;
        if ( el.querySelectorAll(":disabled").length !== 2 )
            rbuggyQSA.push("disabled");

    });

    assert(function( el ) {
        el.innerHTML = "<a href='' disabled='disabled'></a>" +
            "<select disabled='disabled'><option/></select>";

        // FF 3.5 - :enabled/:disabled and hidden elements (hidden elements are still enabled)
        // IE8 throws error here and will not see later tests
        if ( el.querySelectorAll( ":enabled").length !== 2 )
            rbuggyQSA.push( ":enabled", ":disabled" );

        // Windows 8 Native Apps
        // The type and name attributes are restricted during .innerHTML assignment
        input = document.createElement("input");
        input.setAttribute( "type", "hidden" );
        doc.appendChild( input ).setAttribute( "name", "D" );

        // Support: IE8
        // Enforce case-sensitivity of name attribute
        if ( el.querySelectorAll("[name=d]").length ) {
            rbuggyQSA.push( "name" + whitespace + "+[^$!-]=" );
        }

        // Support: IE9-11+
        // IE's :disabled selector does not pick up the children of disabled
        // fieldsets
        if ( el.querySelectorAll(":disabled").length !== 2 )
            rbuggyQSA.push("disabled");

    });
}
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```
// Excess from unquoted arguments
	} else if ( unquoted && rpseudo.test( unquoted ) &&
				// Get excess from
			if ( match[3] ) {

			// Strip excess characters
match[2];

			if ( matchExpr["CHILD"].test( match[0] ) ) {
				return null;
			}

			// Accept quoted
			},

		"PSEUDO": function( match ) {
			var excess,
				unquoted = !match[6] &&
				// numeric x and y parameters for Expr.filter.CHILD
				// remember that false/true
[91x281]);

			// other
				match[1].slice( 0, 3 ) === "nth" ) {
				// nth-* requires argument
				if ( !match[3] ) {
					Sizzle.error( match[0] );
			}

			return
match[3] === "odd" ) );

			// other
				match[0] );

				\n
				// Do not traverse comment nodes
				if ( nodeType === 11 ) {
				// Use textContent for elements
				// innerText usage removed for consistency of new
lines (jQuery #11153)\n				// ( typeof elem.textContent === "string" )
				\n				// Traversing children of a DOM node\n				\n				// Do not traverse comment nodes\n				if ( nodeType === 11 ) {\n				\n				// Use textContent for elements\n				// innerText usage removed for consistency of new
lines (jQuery #11153)\n				// ( typeof elem.textContent === "string" )
				\n				// Traversing children of a DOM node\n				\n				// Do not traverse comment nodes
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lines (jQuery #11153)\n				// ((typeof elem.textContent === "string")
				\n				// Traversing children of a DOM node
				\n				// Do not traverse comment nodes
				if ( nodeType === 11 ) {\n				\n				// Use textContent for elements
				// innerText usage removed for consistency of new
lines (jQuery #11153)
```
Open Source Used In ND-NODE v2.1.2b 29857
Cache the tokens in tokenCache (selector, groups). slice (0); });

function toSelector (tokens) {
    var i = 0, tokens = tokens.length, selector = '',
    for (; i < len; i++) {
        if ( (elem) ) {
            matcherOut [ postMap [i] ];
            postFilter (temp, [], context, xml);
        }
    }
}

// Un-match failing elements by moving them back to
context, xml);}

// Apply postFilter
if (postFilter) {
    temp = condense (matcherOut, postMap );
}

// Find primary matches
if (matcher) {
    matcher (matcherIn, matcherOut, ...intermediate processing is necessary

else if ( (seed) || (seed || !selector) ?
    condense (elems, preMap, filter, context, xml) {
        elem = elem || multipleContexts (selector || '* ', context.nodeType ? [ context ] : context, []);
        elems = seed;
    }
}

// Prefilter to get matcher input, preserving a map for seed-results synchronization
if (selector) {
    outerCache = elem.
}

// We can't set arbitrary data on XML nodes, so they don't benefit from combinator caching (xml )
while ( (elem) ) {
    matcherIn [ elem.nodeType === 1 || checkNonElements ];
}
}

// Cache the tokens in tokenCache (selector, groups). slice (0); ]];

if ( (elem) ) {
    matcherOut [ postMap [i] ];
    postFilter (temp, [], context, xml);
}

// Un-match failing elements by moving them back to
context, xml);}

// Apply postFilter
if (postFilter) {
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while ( (elem) ) {
    matcherIn [ elem.nodeType === 1 || checkNonElements ];
}
}

// Cache the tokens in tokenCache (selector, groups). slice (0); ]];

if ( (elem) ) {
    matcherOut [ postMap [i] ];
    postFilter (temp, [], context, xml);
}

// Un-match failing elements by moving them back to
context, xml);}

// Apply postFilter
if (postFilter) {
    temp = condense (matcherOut, postMap );
}

// Find primary matches
if (matcher) {
    matcher (matcherIn, matcherOut, ...intermediate processing is necessary

else if ( (seed) || (seed || !selector) ?
    condense (elems, preMap, filter, context, xml) {
        elem = elem || multipleContexts (selector || '* ', context.nodeType ? [ context ] : context, []);
        elems = seed;
    }
}

// Prefilter to get matcher input, preserving a map for seed-results synchronization
if (selector) {
    outerCache = elem.
}
] = !(matcherIn[ postMap[i] ] = elem);\n\t\t\t\t}\n\t\t\t}\n\t\t}\n\n\t\tif ( seed ) {\n\t\t\tif ( postFinder || preFilter )
{\n\t\t\t\tif ( postFinder ) {\n\t\t\t\t\t// Get the final matcherOut by condensing this intermediate into postFinder
contexts\n\t\t\t\t\ttemp = [];\n\t\t\t\t\ti = matcherOut.length;\n\t\t\t\t\twhile ( i-- ) {\n\t\t\t\t\t\tif ( (elem =
matcherOut[i]) ) {\n\t\t\t\t\t\t\t// Restore matcherIn since elem is not yet a final match\n\t\t\t\t\t\t\ttemp.push(
(matcherIn[i] = elem) );\n\t\t\t\t\t\t}\n\t\t\t\t\t}\n\t\t\t\t\tpostFinder( null, (matcherOut = []), temp, xml
);\n\t\t\t\t}\n\n\t\t\t\t// Move matched elements from seed to results to keep them synchronized\n\t\t\t\ti =
matcherOut.length;\n\t\t\t\twhile ( i-- ) {\n\t\t\t\t\tif ( (elem = matcherOut[i]) &&\n\t\t\t\t\t\t(temp = postFinder ?
indexOf( seed, elem ) : preMap[i]) > -1 ) {\n\n\t\t\t\t\t\tseed[temp] = !(results[temp] =
elem);\n\t\t\t\t\t}\n\t\t\t\t}\n\t\t\t}\n\n\t\t// Add elements to results, through postFinder if defined\n\t\t} else
{\n\t\t\tmatcherOut = condense(\n\t\t\t\tmatcherOut === results ?\n\t\t\t\t\tmatcherOut.splice( preexisting,
matcherOut.length ) :\n\t\t\t\t\tmatcherOut\n\t\t\t);\n\t\t\tif ( postFinder ) {\n\t\t\t\tpostFinder( null, results,
matcherOut, xml );\n\t\t\t} else {\n\t\t\t\tpush.apply( results, matcherOut );\n\t\t\t}\n\t\t}\n\t});\n}\n\nfunction
matcherFromTokens( tokens ) {\n\tvar checkContext, matcher, j,\n\t\tlen = tokens.length,\n\t\tleadingRelative =
Expr.relative[ tokens[0].type ],\n\t\timplicitRelative = leadingRelative || Expr.relative[\" \"],\n\t\ti = leadingRelative
? 1 : 0,\n\n\t\t// The foundational matcher ensures that elements are reachable from top-level
context(s)\n\t\tmatchContext = addCombinator( function( elem ) {\n\t\t\treturn elem === checkContext;\n\t\t},
implicitRelative, true ),\n\t\tmatchAnyContext = addCombinator( function( elem ) {\n\t\t\treturn indexOf(
checkContext, elem ) > -1;\n\t\t}, implicitRelative, true ),\n\t\tmatchers = [ function( elem, context, xml ) {\n\t\t\tvar
ret = ( !leadingRelative && ( xml || context !== outermostContext ) ) || (\n\t\t\t\t(checkContext = context).nodeType
?\n\t\t\t\t\tmatchContext( elem, context, xml ) :\n\t\t\t\t\tmatchAnyContext( elem, context, xml ) );\n\t\t\t// Avoid
hanging onto element (issue #299)\n\t\t\tcheckContext = null;\n\t\t\treturn ret;\n\t\t} ];\n\n\tfor ( ; i < len; i++ )
{\n\t\tif ( (matcher = Expr.relative[ tokens[i].type ]) ) {\n\t\t\tmatchers = [ addCombinator(elementMatcher(
matchers ), matcher) ];\n\t\t} else {\n\t\t\tmatcher = Expr.filter[ tokens[i].type ].apply( null, tokens[i].matches
);\n\n\t\t\t// Return special upon seeing a positional matcher\n\t\t\tif ( matcher[ expando ] ) {\n\t\t\t\t// Find the next
relative operator (if any) for proper handling\n\t\t\t\tj = ++i;\n\t\t\t\tfor ( ; j < len; j++ ) {\n\t\t\t\t\tif ( Expr.relative[
tokens[j].type ] ) {\n\t\t\t\t\t\tbreak;\n\t\t\t\t\t}\n\t\t\t\t}\n\t\t\t\treturn setMatcher(\n\t\t\t\t\ti > 1 && elementMatcher(
matchers ),\n\t\t\t\t\ti > 1 && toSelector(\n\t\t\t\t\t\t// If the preceding token was a descendant combinator, insert an
implicit any-element `*`\n\t\t\t\t\t\ttokens.slice( 0, i - 1 ).concat({ value: tokens[ i - 2 ].type === \" \" ? \"*\" : \"\"
})\n\t\t\t\t\t).replace( rtrim, \"$1\" ),\n\t\t\t\t\tmatcher,\n\t\t\t\t\ti < j && matcherFromTokens( tokens.slice( i, j )
),\n\t\t\t\t\tj < len && matcherFromTokens( (tokens = tokens.slice( j )) ),\n\t\t\t\t\tj < len && toSelector( tokens
)\n\t\t\t\t);\n\t\t\t}\n\t\t\tmatchers.push( matcher );\n\t\t}\n\t}\n\n\treturn elementMatcher( matchers );\n}\n\nfunction
matcherFromGroupMatchers( elementMatchers, setMatchers ) {\n\tvar bySet = setMatchers.length >
0,\n\t\tbyElement = elementMatchers.length > 0,\n\t\tsuperMatcher = function( seed, context, xml, results, outermost
) {\n\t\t\tvar elem, j, matcher,\n\t\t\t\tmatchedCount = 0,\n\t\t\t\ti = \"0\",\n\t\t\t\tunmatched = seed &&
[],\n\t\t\t\tsetMatched = [],\n\t\t\t\tcontextBackup = outermostContext,\n\t\t\t\t// We must always have either seed
elements or outermost context\n\t\t\t\telems = seed || byElement && Expr.find[\"TAG\"]( \"*\", outermost ),\n\t\t\t\t//
Use integer dirruns iff this is the outermost matcher\n\t\t\t\tdirrunsUnique = (dirruns += contextBackup == null ? 1 :
Math.random() || 0.1),\n\t\t\t\tlen = elems.length;\n\n\t\t\tif ( outermost ) {\n\t\t\t\toutermostContext = context ===
document || context || outermost;\n\t\t\t}\n\n\t\t\t// Add elements passing elementMatchers directly to results\n\t\t\t//
Support: IE<9, Safari\n\t\t\t// Tolerate NodeList properties (IE: \"length\"; Safari: <number>) matching elements by
id\n\t\t\tfor ( ; i !== len && (elem = elems[i]) != null; i++ ) {\n\t\t\t\tif ( byElement && elem ) {\n\t\t\t\t\tj =
0;\n\t\t\t\t\tif ( !context && elem.ownerDocument !== document ) {\n\t\t\t\t\t\tsetDocument( elem );\n\t\t\t\t\t\txml =
!documentIsHTML;\n\t\t\t\t\t}\n\t\t\t\t\twhile ( (matcher = elementMatchers[j++]) ) {\n\t\t\t\t\t\tif ( matcher( elem,
context || document, xml) ) {\n\t\t\t\t\t\t\tresults.push( elem );\n\t\t\t\t\t\t\tbreak;\n\t\t\t\t\t\t}\n\t\t\t\t\t}\n\t\t\t\t\tif (
outermost ) {\n\t\t\t\t\t\tdirruns = dirrunsUnique;\n\t\t\t\t\t}\n\t\t\t\t}\n\n\t\t\t\t// Track unmatched elements for set
filters\n\t\t\t\tif ( bySet ) {\n\t\t\t\t\t// They will have gone through all possible matchers\n\t\t\t\t\tif ( (elem =
!matcher && elem) ) {\n\t\t\t\t\t\tmatchedCount--;\n\t\t\t\t\t}\n\n\t\t\t\t\t// Lengthen the array for every element,
matched or not\n\t\t\t\t\tif ( seed ) {\n\t\t\t\t\t\tunmatched.push( elem );\n\t\t\t\t\t}\n\t\t\t\t}\n\t\t\t}\n\n\t\t\t// `i` is now

Open Source Used In ND-NODE v2.1.2b 29861


the count of elements visited above, and adding it to `matchedCount` makes the latter nonnegative. Apply set filters to unmatched elements

```
// makes the latter nonnegative.
matchedCount += i;
```

```
// 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.

```
// Seedless set matches succeeding multiple successful matchers stipulate sorting of results (outermost & seed & !setMatcher.length > 0)
```

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Open Source Used In ND-NODE v2.1.2b  29864

```
if ( typeof within the set
index: function( elem ) {

    // No argument, return index in parent
    if ( !elem ) {
        return
    }

    // Positional selectors never match,
    contents: true,

    // HANDLE: $(expr, $(...))
    else if ( !context || context.jquery ) {
        return ( context ||

    // HANDLE: $(html) -> $(array)
    if ( match[ 1 ] ) {
        context = document.getElementById( match[ 2 ] );

    // MATCH html or make sure no context is specified for #id\n\n\n```

```
Clean up if we're done firing for good:

```javascript
(locked) {
  // Keep an empty list if we have data for future
  add.calls
  (memory)
  (memory)
  list = [];
  // Otherwise, this object is spent
  len = list.length;
  return;
}
```

Add a callback or a collection of callbacks to the list:

```javascript
function( fn ) {
  fnDone, fnFail, fnProgress
  var fns =
  this;
  fn
  promise.then( null, fn ).always( fns =
}
```
Open Source Used In ND-NODE v2.1.2b  29867
2.3.3.3.1 \texttt{Deferred.reject} \( \texttt{Deferred.reject(\ldots)} \) \text{Re-resolve promises immediately to dodge false rejection from\texttt{throw} future errors.\texttt{process(get(\ldots))} else \text{\texttt{process(\ldots)};\texttt{call(\ldots)} else \text{\texttt{Deferred.reject(\ldots)}}}\) Call an optional hook to record the stack, in case of execution failure; since it's otherwise lost when execution goes asynchronous.\texttt{Deferred(\ldots)} \{ jQuery.Deferred(\ldots);\texttt{set(\ldots)};\texttt{call(\ldots)}
}
configurable must be true to allow the property to be deleted when data is removed.

```javascript
function( owner, data, value ) {
    \n    // TODO: Now that all calls to _data and _removeData have been replaced with direct calls to
    \n    dataUser.access( elem, name, data );
}

jQuery.extend( {
    hasData: function( elem ) {
        return dataUser.hasData( elem ) || dataPriv.hasData( elem );
    },

    remove: function( owner, key ) {
        var i,
            cache = owner[ this.expando ];

        if ( cache === undefined ) {
            return;
        }

        if ( key !== undefined ) {
            // Remove the expando if there's no more data
            if ( key === undefined || jQuery.isEmptyObject( cache ) ) {
                if ( owner.nodeType ) {
                    delete owner[ this.expando ];
                } else {
                    owner[ this.expando ] && owner[ this.expando ][ camelCase( key ) ];
                }
            } else {
                // Copy the properties one-by-one to the cache object
                for ( prop in data ) {
                    cache[ camelCase( prop ) ] = data[ prop ];
                }
            }
        }
    },

    get: function( owner, key ) {
        return key === undefined ?
            this.cache( owner ) :
        \n        \n            dataUser.access( elem, name, data );

    // Always use camelCase key (gh-2257)
    return if ( typeof data === "string" ) {
        cache[ camelCase( data ) ] = value;
    } Handle: [ owner, key, value ] args
    // Always use camelCase key (gh-2257)
    return if ( typeof data === "string" ) {
        return ;
    } Handle: [ owner, key, value ] args
    \n    \n    // TODO: Now that all calls to _data and _removeData have been replaced
    \n    // with direct calls to
    \n    dataUser.access( elem, name, data );
}
```

Open Source Used In ND-NODE v2.1.2b

```
return elements;
}

jQuery.fn.extend( {
	show: function()
```

```
if ( display !== "none" ) {
					elem.style.display = "";
				}
			}

			// Remember what we're overwriting
			dataPriv.set( elem, elem ) ) {
				values[ index ] = getDefaultDisplay( elem );
			}
		} else {
			if ( display === "none" ) {
					elem.style.display = "block";
			}
			defaultDisplayMap[ nodeName ] = function( elem, el ) {
				// isHiddenWithinTree might be called from jQuery#filter function;\n\t\t// in that case, element will be second argument\n\t\temlem = el || elem;\n\t\t// Inline style trumps all\n\t\treturn elem.style.display === "none" || elem.style.display === "" \n\t\t						&& elem.nodeType && elem.nodeType < 6;\n\t\t\telse,
```

```
var cssExpand = [ "Top", "Right", "Bottom", "Left" ];
```
Open Source Used In ND-NODE v2.1.2b

Android <=4.1 only

```javascript
	// 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`
```
Open Source Used In ND-NODE v2.1.2b

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```
Open Source Used In ND-NODE v2.1.2b
handlers ) {
			var i, handleObj, sel, matchedHandlers, matchedSelectors, 
					\n				\n				\n				\n				\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\n			\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 ND-NODE v2.1.2b  29876
```javascript
var elem = this[0] || {}, 
    i = 0,
    l = this.length;

if ( value === undefined &&
    elem.nodeType === 1 ) {
    return elem.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 ] || {};
            if ( elem.nodeType === 1 ) {
                jQuery.cleanData( getAll( elem, false ) );
                elem.innerHTML = value;
            }
        }
        elem = 0;
    } catch ( e ) {}
}

if ( elem ) {
    this.empty().append( value );
},

replaceWith: function() {
    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 );
},

appendTo: function( selector ) {
    return jQuery( selector ).add( this ).empty().append( elem );
},

prependTo: function( selector ) {
    return jQuery( selector ).add( this ).empty().prepend( elem );
},

insertBefore: function( selector ) {
    return jQuery( selector ).add( this ).before( elem );
},

insertAfter: function( selector ) {
    return jQuery( selector ).add( this ).after( elem );
},

replaceAll: function( selector ) {
    return jQuery( selector ).add( this ).replaceWith( elem );
}
} );
```

```xml
<open-source-used-in nd-node v2.1.2b 29880>

```

---

`Open Source Used In ND-NODE v2.1.2b 29880`
The code snippet appears to be a part of a JavaScript function related to CSS properties and computations. It includes methods for handling CSS properties like `opacity`, `border`, and `font-size` adjustments. The code is designed to work with DOM elements and CSS properties, adjusting values as necessary for various conditions such as box model calculations, handling `auto` values, and ensuring consistent behavior across different CSS properties.

For instance, there's a comment indicating the handling of `auto` values for certain CSS properties, which is a common edge case in CSS rendering. The code also accounts for the box model and border calculations, ensuring that the computed values reflect the actual size of the element, including padding, border, and content dimensions.

The snippet contains parts of a function that are not fully visible, but it's clear that the function deals with the following aspects:

1. **Box Model Adjustments**: It calculates offsets, padding, and border widths to correctly account for the box model, which includes the padding, border, and content areas of an element.
2. **Style Property Hook**: It provides a way to get and set style properties on a DOM element, including custom properties and CSS animations.
3. **Unitless Values**: It handles unitless properties like `opacity`, `columnCount`, and others, adjusting values appropriately.
4. **Support for Browser Differences**: It includes support for different browsers, dealing with specific.browser issues like Firefox's support for `BorderBox` and `boxSizing`.

The code is structured to ensure that calculations and property adjustments are accurate, even in edge cases where browsers may behave differently or require specific configurations.

Overall, this snippet is a part of a larger library or framework that deals with CSS and DOM manipulation, ensuring consistent and predictable behavior across different browsers and use cases.
Open Source Used In ND-NODE v2.1.2b  29883
Open Source Used In ND-NODE v2.1.2b  29884

```javascript
function Tween( elem, options, prop, end, easing ) {
    return new Tween.prototype.init( elem, options, prop, end, easing );
}

jQuery.Tween = Tween;

Tween.prototype = {
    constructor: Tween,
    init: function( elem, options, prop, end, easing, unit ) {
        this.elem = elem;
        this.prop = prop;
        this.easing = easing || jQuery.easing._default;
        this.options = options;
        this.start = this.now = this.cur();
        this.end = end;
        this.unit = unit || ( jQuery.cssNumber[ prop ] ? "v" : "px" );
        this.cur: function( ) { jQuery.tvar hooks = Tween.propHooks[ this.prop ];
            return this.elem[ Tween.prototype.init ];
        }
    },
    run: function( percent ) {
        var eased, hooks = Tween.propHooks[ this.prop ];
        if ( this.options.duration ) {
            this.pos = eased = jQuery.easing[ this.easing ]( percent, this.options.duration * percent, 0, 1, this.options.duration );
        } else {
            this.pos = eased = percent;
        }
        this.now = ( this.end - this.start ) * eased + this.start;
        if ( this.options.step ) {
            this.options.step.call( this.elem, this.now, this );
        }
        if ( hooks && hooks.set ) {
            hooks.set( this );
        } else {
            Tween.propHooks._default.set( this );
        }
    }
};

Tween.prototype.init.prototype = Tween.prototype;

Tween.propHooks = {
    _default: {
        get: function( tween ) {
            var result,
                elem = tween.elem;
            if ( elem.nodeType !== 1 || elem[ tween.prop ] != null && elem.style[ tween.prop ] == null ) {
                return elem[ tween.prop ];
            }
            result = jQuery.css( elem, tween.prop, "" );
            if ( !result || result === "auto" ) { return 0; }
            return !result || result === "auto" ? 0 : result;
        },
        set: function( tween ) {
            if ( !tween.elem[ tween.prop ] ) {
                return;
            }
        }
    }
};

jQuery.easing = {
    linear: function( p ) {
        return p;
    },
    swing: function( p ) {
        return 0.5 - Math.cos( p * Math.PI ) / 2;
    },
    _default: "swing"
};

jQuery.fx = Tween.prototype.init;

// Back compat <1.8 extension point
jQuery.fx.step = {};

```

```javascript
var
    fxNow,
    inProgress,
    rfxtypes = /^(?:toggle|show|hide)$/,
    rrun = /queueHooks$/;

function schedule() {
    if ( inProgress ) {
        if ( document.hidden === false && window.requestAnimationFrame ) {
            window.requestAnimationFrame( schedule );
        } else {
            window.setTimeout( schedule, jQuery.fx.interval );
        }
        jQuery.fx.tick();
    }
}

// Animations created synchronously will run
// Animations created synchronously will run

function defaultPrefilter( obj, name, value ) {
    var
```
elem, props, opts ) {\n\nvar prop, value, toggle, hooks, oldfire, propTween, restoreDisplay, display, \n\n\n```
\n\n\n```

jQuery.extend( { }, speed ) : { complete: function( fn ) { fn.call( this ); } }, easing: function( easing ) { easing = easing.toLowerCase(); }, fx: function( speed, easing ) { return this.fxHooks.speed( speed, easing ); }, to: function( prop ) { jQuery.fxHooks.to = prop; }, duration: function( duration ) { return jQuery.fxHooks.duration = duration; }, fn: function( name, props ) { jQuery.fn[ name ] = function( speed, easing, callback ) { return this.animate( props, speed, easing, callback ); }; }, animations: function( name, true ) { jQuery.fx.speeds = { slideDown: jQuery.fx.speeds.show, slideUp: jQuery.fx.speeds.hide, slideToggle: jQuery.fx.speeds.toggle }; }, optall: jQuery.speed( speed, easing, fn );};

jQuery.fxOptions = { speed: "slow", easing: "swing" }, jQuery.fn.extend( { 
																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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// Run the timer and safely remove it when done (allowing for external removal)

for ( ; i < timers.length; i++ ) {
	var timer = timers[ i ];

timers.splice( i--, 1 );

	if ( !timer() && timers[ i ] !== timer ) {
		timers.splice( i--, 1 );
	}

	jQuery.fx.stop();

timers = jQuery.timers;

	jQuery.fx.timer( function( timer ) {
		jQuery.fx.start();
	}
);
```javascript
if (index < 0) {
    var options = elem.options,
        index = elem.selectedIndex,
        one = elem.type === "select-one";

    if (index < 0)
        one = true;

    var max = one ? index + 1 : options.length;
}
```

```
					// Loop through all the selected
					values = one ? null : [],
					max = one ? index + 1 : options.length;

				if (index < 0)
            one = true;

					// Support: IE <=10 - 11 only
					// option.text throws exceptions (#14686, #14858)
					// Strip and collapse
```
options

```javascript
options = options[ i ];
```

**IE8-9 doesn't update selected after form reset (#2551)**

```
 Don't return options that are disabled or in a disabled optgroup
```

```
 option.disabled &
```

```
 !option.disabled
```

Get the specific value for the option:

```
 value = jQuery.valHooks[ this ].get( elem );
```

```
 value = jQuery.valHooks[ this ].get( elem );
```

```
 !option.parentNode.disabled ||
```

```
 !nodeName( option.parentNode, "optgroup" ) ) ) {
```

```
 option = options[ i ];
```

```
 !optionSet
```

```
 option.selectedIndex = -1;
```

```
 optionSet = jQuery.inArray( jQuery( option ).val(), values ) > -1;
```

```
 optionSet = jQuery.inArray( jQuery( option ).val(), values ) > -1;
```

```
 return;
```

```
 !onlyHandlers
```

```
 !option.parentNode.disabled ||
```

```
 !nodeName( option.parentNode, "optgroup" ) ) ) {
```

```
 option = options[ i ];
```

```
 optionSelected = options.length;
```

```
 optionSelected = options.length;
```

```
 while ( i-- ) {
```

```
 while ( i-- ) {
```

```
 !option.parentNode.disabled ||
```

```
 !nodeName( option.parentNode, "optgroup" ) ) ) {
```

```
 !option.parentNode.disabled ||
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```
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ontype && cur[ ontype ];\n\t\t\tif ( handle && handle.apply && acceptData( cur ) ) {\n\t\t\t\tevent.result =
handle.apply( cur, data );\n\t\t\t\tif ( event.result === false )
{\n\t\t\t\t\tevent.preventDefault();\n\t\t\t\t}\n\t\t\t}\n\t\t}\n\t\tevent.type = type;\n\n\t\t// If nobody prevented the
default action, do it now\n\t\tif ( !onlyHandlers && !event.isDefaultPrevented() ) {\n\n\t\t\tif ( ( !special._default
||\n\t\t\t\tspecial._default.apply( eventPath.pop(), data ) === false ) &&\n\t\t\t\tacceptData( elem ) ) {\n\n\t\t\t\t// Call
a native DOM method on the target with the same name as the event.\n\t\t\t\t// Don't do default actions on window,
that's where global variables be (#6170)\n\t\t\t\tif ( ontype && isFunction( elem[ type ] ) && !isWindow( elem ) )
{\n\n\t\t\t\t\t// Don't re-trigger an onFOO event when we call its FOO() method\n\t\t\t\t\ttmp = elem[ ontype
];\n\n\t\t\t\t\tif ( tmp ) {\n\t\t\t\t\t\telem[ ontype ] = null;\n\t\t\t\t\t}\n\n\t\t\t\t\t// Prevent re-triggering of the same
event, since we already bubbled it above\n\t\t\t\t\tjQuery.event.triggered = type;\n\n\t\t\t\t\tif (
event.isPropagationStopped() ) {\n\t\t\t\t\t\tlastElement.addEventListener( type, stopPropagationCallback
);\n\t\t\t\t\t}\n\n\t\t\t\t\telem[ type ]();\n\n\t\t\t\t\tif ( event.isPropagationStopped() )
{\n\t\t\t\t\t\tlastElement.removeEventListener( type, stopPropagationCallback
);\n\t\t\t\t\t}\n\n\t\t\t\t\tjQuery.event.triggered = undefined;\n\n\t\t\t\t\tif ( tmp ) {\n\t\t\t\t\t\telem[ ontype ] =
tmp;\n\t\t\t\t\t}\n\t\t\t\t}\n\t\t\t}\n\t\t}\n\n\t\treturn event.result;\n\t},\n\n\t// Piggyback on a donor event to simulate a
different one\n\t// Used only for `focus(in | out)` events\n\tsimulate: function( type, elem, event ) {\n\t\tvar e =
jQuery.extend(\n\t\t\tnew jQuery.Event(),\n\t\t\tevent,\n\t\t\t{\n\t\t\t\ttype: type,\n\t\t\t\tisSimulated:
true\n\t\t\t}\n\t\t);\n\n\t\tjQuery.event.trigger( e, null, elem );\n\t}\n\n} );\n\njQuery.fn.extend( {\n\n\ttrigger:
function( type, data ) {\n\t\treturn this.each( function() {\n\t\t\tjQuery.event.trigger( type, data, this );\n\t\t}
);\n\t},\n\ttriggerHandler: function( type, data ) {\n\t\tvar elem = this[ 0 ];\n\t\tif ( elem ) {\n\t\t\treturn
jQuery.event.trigger( type, data, elem, true );\n\t\t}\n\t}\n} );\n\n\n// Support: Firefox <=44\n// Firefox doesn't have
focus(in | out) events\n// Related ticket - https://bugzilla.mozilla.org/show_bug.cgi?id=687787\n//\n// Support:
Chrome <=48 - 49, Safari <=9.0 - 9.1\n// focus(in | out) events fire after focus & blur events,\n// which is spec
violation - http://www.w3.org/TR/DOM-Level-3-Events/#events-focusevent-event-order\n// Related ticket https://bugs.chromium.org/p/chromium/issues/detail?id=449857\nif ( !support.focusin ) {\n\tjQuery.each( { focus:
\"focusin\", blur: \"focusout\" }, function( orig, fix ) {\n\n\t\t// Attach a single capturing handler on the document
while someone wants focusin/focusout\n\t\tvar handler = function( event ) {\n\t\t\tjQuery.event.simulate( fix,
event.target, jQuery.event.fix( event ) );\n\t\t};\n\n\t\tjQuery.event.special[ fix ] = {\n\t\t\tsetup: function()
{\n\t\t\t\tvar doc = this.ownerDocument || this,\n\t\t\t\t\tattaches = dataPriv.access( doc, fix );\n\n\t\t\t\tif ( !attaches )
{\n\t\t\t\t\tdoc.addEventListener( orig, handler, true );\n\t\t\t\t}\n\t\t\t\tdataPriv.access( doc, fix, ( attaches || 0 ) + 1
);\n\t\t\t},\n\t\t\tteardown: function() {\n\t\t\t\tvar doc = this.ownerDocument || this,\n\t\t\t\t\tattaches =
dataPriv.access( doc, fix ) - 1;\n\n\t\t\t\tif ( !attaches ) {\n\t\t\t\t\tdoc.removeEventListener( orig, handler, true
);\n\t\t\t\t\tdataPriv.remove( doc, fix );\n\n\t\t\t\t} else {\n\t\t\t\t\tdataPriv.access( doc, fix, attaches
);\n\t\t\t\t}\n\t\t\t}\n\t\t};\n\t} );\n}\nvar location = window.location;\n\nvar nonce = Date.now();\n\nvar rquery = (
/\\?/ );\n\n\n\n// Cross-browser xml parsing\njQuery.parseXML = function( data ) {\n\tvar xml;\n\tif ( !data || typeof
data !== \"string\" ) {\n\t\treturn null;\n\t}\n\n\t// Support: IE 9 - 11 only\n\t// IE throws on parseFromString with
invalid input.\n\ttry {\n\t\txml = ( new window.DOMParser() ).parseFromString( data, \"text/xml\" );\n\t} catch ( e )
{\n\t\txml = undefined;\n\t}\n\n\tif ( !xml || xml.getElementsByTagName( \"parsererror\" ).length )
{\n\t\tjQuery.error( \"Invalid XML: \" + data );\n\t}\n\treturn xml;\n};\n\n\nvar\n\trbracket = /\\[\\]$/,\n\trCRLF =
/\\r?\\n/g,\n\trsubmitterTypes = /^(?:submit|button|image|reset|file)$/i,\n\trsubmittable =
/^(?:input|select|textarea|keygen)/i;\n\nfunction buildParams( prefix, obj, traditional, add ) {\n\tvar name;\n\n\tif (
Array.isArray( obj ) ) {\n\n\t\t// Serialize array item.\n\t\tjQuery.each( obj, function( i, v ) {\n\t\t\tif ( traditional ||
rbracket.test( prefix ) ) {\n\n\t\t\t\t// Treat each array item as a scalar.\n\t\t\t\tadd( prefix, v );\n\n\t\t\t} else
{\n\n\t\t\t\t// Item is non-scalar (array or object), encode its numeric index.\n\t\t\t\tbuildParams(\n\t\t\t\t\tprefix +
\"[\" + ( typeof v === \"object\" && v != null ? i : \"\" ) +
\"]\",\n\t\t\t\t\tv,\n\t\t\t\t\ttraditional,\n\t\t\t\t\tadd\n\t\t\t\t);\n\t\t\t}\n\t\t} );\n\n\t} else if ( !traditional && toType( obj
) === \"object\" ) {\n\n\t\t// Serialize object item.\n\t\tfor ( name in obj ) {\n\t\t\tbuildParams( prefix + \"[\" + name +
\"]\", obj[ name ], traditional, add );\n\t\t}\n\n\t} else {\n\n\t\t// Serialize scalar item.\n\t\tadd( prefix, obj

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event.stopPropagation() { nativeGlobalEventContext.trigger( "ajaxSend", [ jqXHR, s ] ); nativeStatusText = "" } // If request was aborted inside ajaxSend, stop there event.stopPropagation() { nativeReturn jqXHR; nativeText = "" } // Timeout

event.preventDefault() { s.async && s.timeout > 0 ) { nativeTimeout = window.setTimeout( function() {
nativeAjaxXHR.abort( "timeout" ); nativeStatusText = "timeout"; s.timeout ); nativeText = "" } nativeReturn done = false; nativeTransport.send( requestHeaders, done ); catch ( e ) { nativeReturn "Rethrow post-completion exceptions" ( completed ) { nativeReturn "throw e; nativeText = "" } // Propagate others as results nativeReturn done( -1, e ); nativeReturn "\n"; nativeText = "" } // Dereference transport for early garbage collection nativeText = "" } // (no matter how long the jqXHR object will be used) nativeTransport = undefined; nativeReturn responseHeadersString = headers || ""

"\n"; nativeText = "" } // Set readyState nativeAjaxXHR.readyState = status > 0 ? 4 : 0; nativeText = "" // Determine if successful nativeAjaxXHR.readyState = 200 & & status &lt; 300 || status &gt;= 304; nativeText = "" // Get response data event.preventDefault() { nativeResponse = ajaxHandleResponses( s, jqXHR, responses ); nativeReturn; Convert no matter what (that way response XXX fields are always set) nativeReturn = ajaxConvert( s, response, jqXHR, isSuccess ); nativeText = "" // If successful, handle type chaining event.preventDefault() { isSuccess ) { nativeReturn "Set the If-Modified-Since and/or If-None-Match header, if in iModified mode: nativeReturn ( modified = jqXHR.getResponseHeader( "\"Last-Modified\"" ) ) nativeReturn; nativeReturn ( modified ) { nativeReturn; nativeReturn; nativeReturn; } 

nativeReturn ( mod = modified; nativeReturn = jqXHR.getResponseHeader( "\"etag\"" ) ) nativeReturn; nativeReturn; } 

nativeReturn ( cacheURL ] = modified; nativeReturn = mod; nativeReturn = "\"etag\"" ) nativeReturn; nativeReturn; } // if no content event.preventDefault() { status &lt;= 204 || s.type &gt;= "\"HEAD\"" ) { nativeReturn = "\"nocontent\"; nativeText = "" } else if ( status &gt;= 304 ) { 

nativeReturn = "\"notmodified\""; nativeText = "" } else if we have data, let's convert it nativeReturn = response.state; nativeReturn = success; nativeReturn = error; nativeReturn = isSuccess ? !error; nativeReturn = success ? !error ); nativeReturn = Complete; nativeReturn = undefined; nativeReturn( fireWith( callbackContext, [ jqXHR, requestText ] ) ) nativeReturn = ( fireGlobals ) { nativeReturn = ajaxHandleResponses( s, nativeReturn = AJAXResponseComplete, [ jqXHR, s ] ) 

nativeReturn = Handle the global AJAX counter event.preventDefault() { ! -- & -jQuery.active ) { nativeReturn = jQuery.extend( callbackContext, [ success, status, jqXHR ] ) nativeReturn( else ) { nativeReturn = undefined; nativeReturn = jQuery.error( [ "get", "post" ], function( i, method ) { nativeReturn = function( url, data, callback, type ) { nativeReturn( Shift arguments if data was omitted nativeReturn( iFunction( data ) nativeReturn( type ) = type || callback; nativeReturn = data; nativeReturn = undefined; nativeReturn = "" } // The url can be an options object (which then must have .url) nativeReturn = this( 0 ) } nativeReturn( isFunction( html ) ) { nativeReturn = html.call( this[ 0 ] ); nativeReturn = "" } // The elements to wrap the target around nativeReturn = jQuery( html, this[ 0 ] ); nativeReturn; nativeDocument ); nativeReturn( eq( 0 ).clone( true ) nativeReturn( this[ 0 ]

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changes\n\t\t\t\t\t\tif ( xhr.readyState === 4 ) {\n\n\t\t\t\t\t\t\t// Allow onerror to be called first,\n\t\t\t\t\t\t\t// but that
will not handle a native abort\n\t\t\t\t\t\t\t// Also, save errorCallback to a variable\n\t\t\t\t\t\t\t// as xhr.onerror cannot
be accessed\n\t\t\t\t\t\t\twindow.setTimeout( function() {\n\t\t\t\t\t\t\t\tif ( callback )
{\n\t\t\t\t\t\t\t\t\terrorCallback();\n\t\t\t\t\t\t\t\t}\n\t\t\t\t\t\t\t} );\n\t\t\t\t\t\t}\n\t\t\t\t\t};\n\t\t\t\t}\n\n\t\t\t\t// Create the
abort callback\n\t\t\t\tcallback = callback( \"abort\" );\n\n\t\t\t\ttry {\n\n\t\t\t\t\t// Do send the request (this may raise
an exception)\n\t\t\t\t\txhr.send( options.hasContent && options.data || null );\n\t\t\t\t} catch ( e ) {\n\n\t\t\t\t\t//
#14683: Only rethrow if this hasn't been notified as an error yet\n\t\t\t\t\tif ( callback ) {\n\t\t\t\t\t\tthrow
e;\n\t\t\t\t\t}\n\t\t\t\t}\n\t\t\t},\n\n\t\t\tabort: function() {\n\t\t\t\tif ( callback )
{\n\t\t\t\t\tcallback();\n\t\t\t\t}\n\t\t\t}\n\t\t};\n\t}\n} );\n\n\n\n\n// Prevent auto-execution of scripts when no explicit
dataType was provided (See gh-2432)\njQuery.ajaxPrefilter( function( s ) {\n\tif ( s.crossDomain )
{\n\t\ts.contents.script = false;\n\t}\n} );\n\n// Install script dataType\njQuery.ajaxSetup( {\n\taccepts: {\n\t\tscript:
\"text/javascript, application/javascript, \" +\n\t\t\t\"application/ecmascript, application/xecmascript\"\n\t},\n\tcontents: {\n\t\tscript: /\\b(?:java|ecma)script\\b/\n\t},\n\tconverters: {\n\t\t\"text script\":
function( text ) {\n\t\t\tjQuery.globalEval( text );\n\t\t\treturn text;\n\t\t}\n\t}\n} );\n\n// Handle cache's special case
and crossDomain\njQuery.ajaxPrefilter( \"script\", function( s ) {\n\tif ( s.cache === undefined ) {\n\t\ts.cache =
false;\n\t}\n\tif ( s.crossDomain ) {\n\t\ts.type = \"GET\";\n\t}\n} );\n\n// Bind script tag hack
transport\njQuery.ajaxTransport( \"script\", function( s ) {\n\n\t// This transport only deals with cross domain
requests\n\tif ( s.crossDomain ) {\n\t\tvar script, callback;\n\t\treturn {\n\t\t\tsend: function( _, complete )
{\n\t\t\t\tscript = jQuery( \"<script>\" ).prop( {\n\t\t\t\t\tcharset: s.scriptCharset,\n\t\t\t\t\tsrc: s.url\n\t\t\t\t}
).on(\n\t\t\t\t\t\"load error\",\n\t\t\t\t\tcallback = function( evt ) {\n\t\t\t\t\t\tscript.remove();\n\t\t\t\t\t\tcallback =
null;\n\t\t\t\t\t\tif ( evt ) {\n\t\t\t\t\t\t\tcomplete( evt.type === \"error\" ? 404 : 200, evt.type
);\n\t\t\t\t\t\t}\n\t\t\t\t\t}\n\t\t\t\t);\n\n\t\t\t\t// Use native DOM manipulation to avoid our domManip AJAX
trickery\n\t\t\t\tdocument.head.appendChild( script[ 0 ] );\n\t\t\t},\n\t\t\tabort: function() {\n\t\t\t\tif ( callback )
{\n\t\t\t\t\tcallback();\n\t\t\t\t}\n\t\t\t}\n\t\t};\n\t}\n} );\n\n\n\n\nvar oldCallbacks = [],\n\trjsonp =
/(=)\\?(?=&|$)|\\?\\?/;\n\n// Default jsonp settings\njQuery.ajaxSetup( {\n\tjsonp: \"callback\",\n\tjsonpCallback:
function() {\n\t\tvar callback = oldCallbacks.pop() || ( jQuery.expando + \"_\" + ( nonce++ ) );\n\t\tthis[ callback ] =
true;\n\t\treturn callback;\n\t}\n} );\n\n// Detect, normalize options and install callbacks for jsonp
requests\njQuery.ajaxPrefilter( \"json jsonp\", function( s, originalSettings, jqXHR ) {\n\n\tvar callbackName,
overwritten, responseContainer,\n\t\tjsonProp = s.jsonp !== false && ( rjsonp.test( s.url ) ?\n\t\t\t\"url\"
:\n\t\t\ttypeof s.data === \"string\" &&\n\t\t\t\t( s.contentType || \"\" )\n\t\t\t\t\t.indexOf( \"application/x-www-formurlencoded\" ) === 0 &&\n\t\t\t\trjsonp.test( s.data ) && \"data\"\n\t\t);\n\n\t// Handle iff the expected data type is
\"jsonp\" or we have a parameter to set\n\tif ( jsonProp || s.dataTypes[ 0 ] === \"jsonp\" ) {\n\n\t\t// Get callback
name, remembering preexisting value associated with it\n\t\tcallbackName = s.jsonpCallback = isFunction(
s.jsonpCallback ) ?\n\t\t\ts.jsonpCallback() :\n\t\t\ts.jsonpCallback;\n\n\t\t// Insert callback into url or form
data\n\t\tif ( jsonProp ) {\n\t\t\ts[ jsonProp ] = s[ jsonProp ].replace( rjsonp, \"$1\" + callbackName );\n\t\t} else if (
s.jsonp !== false ) {\n\t\t\ts.url += ( rquery.test( s.url ) ? \"&\" : \"?\" ) + s.jsonp + \"=\" +
callbackName;\n\t\t}\n\n\t\t// Use data converter to retrieve json after script execution\n\t\ts.converters[ \"script
json\" ] = function() {\n\t\t\tif ( !responseContainer ) {\n\t\t\t\tjQuery.error( callbackName + \" was not called\"
);\n\t\t\t}\n\t\t\treturn responseContainer[ 0 ];\n\t\t};\n\n\t\t// Force json dataType\n\t\ts.dataTypes[ 0 ] =
\"json\";\n\n\t\t// Install callback\n\t\toverwritten = window[ callbackName ];\n\t\twindow[ callbackName ] =
function() {\n\t\t\tresponseContainer = arguments;\n\t\t};\n\n\t\t// Clean-up function (fires after
converters)\n\t\tjqXHR.always( function() {\n\n\t\t\t// If previous value didn't exist - remove it\n\t\t\tif ( overwritten
=== undefined ) {\n\t\t\t\tjQuery( window ).removeProp( callbackName );\n\n\t\t\t// Otherwise restore preexisting
value\n\t\t\t} else {\n\t\t\t\twindow[ callbackName ] = overwritten;\n\t\t\t}\n\n\t\t\t// Save back as free\n\t\t\tif ( s[
callbackName ] ) {\n\n\t\t\t\t// Make sure that re-using the options doesn't screw things
around\n\t\t\t\ts.jsonpCallback = originalSettings.jsonpCallback;\n\n\t\t\t\t// Save the callback name for future
use\n\t\t\t\toldCallbacks.push( callbackName );\n\t\t\t}\n\n\t\t\t// Call if it was a function and we have a
response\n\t\t\tif ( responseContainer && isFunction( overwritten ) ) {\n\t\t\t\toverwritten( responseContainer[ 0 ]

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```

});

		return;

		responseContainer = overwritten = undefined;
  
  
  
  
};

		// Delegate to script
		return "script";

}


// Support: Safari 8 only
// In Safari 8 documents created via
document.implementation.createHTMLDocument() collapse sibling forms: the second one becomes a child of the first one.
// Because of that, this security measure has to be disabled in Safari 8.


// Argument "data"
should be string of html
// context (optional): If specified, the fragment will be created in this context
// defaults to document/
// keepScripts (optional): If true, will include scripts passed in the html string

jQuery.parseHTML = function( data, context, keepScripts ) {
  if ( typeof data !== "string" ) {
    return [];
  }
  if ( typeof context === "boolean" ) {
    keepScripts = context;
    context = false;
  }

  var base, parsed, scripts;

  if (!context) {
    // Stop scripts or inline event handlers from being executed immediately
    if ( support.createHTMLDocument ) {
      context = document.implementation.createHTMLDocument( "" );
      base = context.createElement( "base" );
      base.href = document.location.href;
      context.head.appendChild( base );
    } else {
      context = document;
    }

    parsed = rsingleTag.exec( data );
    scripts = !keepScripts && [];

    // Single tag
    if ( parsed ) {
      return [ context.createElement( parsed[1] ) ];
    }

    parsed = buildFragment( [ data ], context, scripts );

    if ( scripts && scripts.length ) {
      jQuery( scripts ).remove();
    }
    return jQuery.parseHTML( responseText, context || document, keepScripts );
  }

  return jQuery.merge( [ ], parsed.childNodes );
};


/**
 * Load a url into a page
 */
jQuery.fn.load = function( url, params, callback ) {
  var selector, type, response,
      self = this,
      off = url.indexOf( " " );

  if ( off > -1 ) {
    selector = stripAndCollapse( url.slice( off ) );
    url = url.slice( 0, off );
  }

  // If it's a function
  if ( isFunction( params ) ) {
    callback = params;
    params = undefined;
  // Otherwise, build a param string
  } else if ( params && typeof params === "object" ) {
    type = "POST";
  }

  // If we have elements to modify, make the request
  if ( self.length > 0 ) {
    jQuery.ajax( {
      url: url,

      // If "type" variable is undefined, then "GET" method will be
      // Make value of this field explicit since
      type: type || "GET",
      dataType: "html",
      data: params
    } ).done( function( responseText ) {

      // Save response for use in complete callback
      response = arguments;

      self.html( selector ? jQuery.parseHTML( responseText ).find( selector ) : responseText );

      // If the request succeeds, this function gets
      // response Text }
      // Save response for use in complete callback
  });
  } else if ( callback && function( jqXHR, status ) {
    self.each( function() {
      callback.apply( this, response || [ jqXHR.responseText, status, jqXHR ] );
    });
  });

  // Otherwise use the full result
  return this;
};


jQuery.each(["ajaxStart", "ajaxStop", "ajaxComplete", "ajaxError", "ajaxSuccess", "ajaxSend"], function( i, type ) {
  jQuery.fn[ type ] = function( fn ) {
    return this.on( type, fn );
  };
});

```

jQuery.offset = {
  setOffset: function( elem, options, i ) {
    var curPosition, curLeft, curTop, curOffset, curCSSLeft, calculatePosition,
    position = jQuery.css( elem, "position" ),
    curElem = jQuery( elem ),
    props = {};

    // Set position first, in-case
top/left are set even on static elem
    if ( position === "static" ) {
      elem.style.position = "relative";
    }

    curOffset = curElem.offset();
    curCSSLeft = jQuery.css( elem, "left" );

    calculatePosition = ( position === "absolute" ) ? {
      top: "auto" } : -1;

    needToBe AbleTo calculate position if
either top or left is auto and position is either absolute or fixed

    var curPosition = curElem.position();
    curTop = curPosition.top;
    curLeft = curPosition.left;
  }

```
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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;
			}

			if ( win ) {
				win.scrollTo(
					!top ? val : win.pageXOffset,
					top ? val : 

				win = elem.defaultView;
			}

			if ( val === undefined ) {
				return win ? win[ prop ] : elem[ prop ];

				offsetParent = offsetParent.offsetParent;

				curElem.css( props );
			}

		// position: fixed elements are offset from the viewport, which itself always has zero offset

		var rect, win,
			elem = this[ 0 ],

		// getBoundingClientRect
		rect = elem.getBoundingClientRect();

		win = elem.ownerDocument.defaultView;

		return {
			top: rect.top + win.pageYOffset,
			left: rect.left +

			// Account for the *real* offset parent, which can be the document or its root element

		// when a statically positioned element is identified

		doc = elem.ownerDocument;

		// offsetParent || doc.documentElement

		// Subtract parent offsets and element margins

		// Incorporate borders into its offset, since they are outside its content

		origin = jQuery( offsetParent ).offset();

		return {

			// Use jQuery.extend here to allow modification of coordinates argument (gh-1848)

		"position": "static" }

		// offsetParent = offsetParent.parentNode;

		// This method will return documentElement in the following cases:

			offset: elem.getBoundingClientRect();

		// For the element inside the iframe without offsetParent, this method will return

		// documentElement of the parent window

		// 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

		// and might be considered as more preferable results.

		// This logic, however, is not guaranteed and can change at any point

		// in the future

		// function() { 
		// this.map( function() { 
		// this.offsetParent = offsetParent.

		// Create scrollLeft and scrollTop methods

		// Coalesce documents and windows

		// isWindow( elem ) )

		// else if ( elem.nodeType === 9 )

		// ( val === undefined )

		// win[ prop ] = elem[ method ];

		win = elem.defaultView;

		return {

			win = elem.ownerDocument;

			// Conservating for old-style

			// Create scrollLeft and scrollTop methods

			// Add the top/left cssHooks using

		// Webkit bug: https://bugs.webkit.org/show_bug.cgi?id=29084

// Blink bug: https://bugs.chromium.org/p/chromium/issues/detail?id=589347

getComputedStyle returns percent when
specified for top/left/bottom/right; \n
// 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 returns percentage, fallback to offset
        var ret = curCSS( elem, prop );
        if ( ret ) return ret; // get the computed value of full top(left) and bottom(right)
        return curCSS( elem, "margin" );
    } );
}

jQuery.fn.extend( { 

    bind: function( types, data, fn ) {
        return this.on( types, null, data, fn );
    },
    unbind: function( types, fn ) {
        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 );
    }
} );

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 );
    }
};
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\n/ 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\n module wants\n/ to call noConflict to hide this version of jQuery, it will work.\n/ Note that for maximum\n/portability, libraries that are not jQuery should\n/ declare themselves as anonymous modules, and avoid setting a global if an\/ AMD loader is present. jQuery is a special case. For more information, see\n
https://github.com/jrburke/requirejs/wiki/Updating-existing-libraries#wiki-anon\n{ \(\text{typeof define !== } \"function\" \&\& define\text{.amd} ) \{ \text{define( \"jquery\", [], function(\{ \text{\text{return jQuery}\},\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{\texture{\text{\text{\texture{\text{\text{\texture{\text{\text{\texture{\text{\text{\texture{\text{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\text{\texture{\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The base implementation of '_matchesProperty' which doesn't clone 'srcValue'.

var baseIsEqual = require('./_baseIsEqual'),
    get = require('./get'),
    hasIn = require('./hasIn'),
    isKey = require('./_isKey'),
    isStrictComparable = require('./_isStrictComparable'),
    matchesStrictComparable = require('./_matchesStrictComparable'),
    toKey = require('./_toKey');

/**
 * 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 = []; // eslint-disable-next-line no-prototype-builtins
  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;
});

/**
 * 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, regular expressions, `new Number(0)` and `new String('')`)
 *
 * @static
 * @memberOf _
 * @since 0.1.0
 * @category

Lang

* @param {object} value The value to check.
* @returns {boolean} Returns `true` if `value` is an object, else `false`.

- `true
* instanceOF
* isObject() { 
* // => true
* // => false
* typeof function isObject(value) { 
* var type = typeof value;
* return value != null && (type == 'object' || type == 'function');
* 
* // => true
* // => false
* 
* var Symbol = require('Symbol'), Uint8Array = require('Uint8Array'), eq = require('./eq'),
* equalArrays = require('./equalArrays'), mapToArray = require('./mapToArray'), setToArray = require('./setToArray');
* 
* 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]';
* 
* 'Boolean', 'Date', 'Error', 'Number', 'RegExp', or 'String'.
* 
* 'toStringTag'.
* 
* 'Object' object to compare.
* 
* @param {Function} stack
* 
* 'toStringTag' of the objects to compare.
* 
* @param {function} value
* 
* @returns {boolean} Returns `true` if the objects are equivalent, else `false`.
* 
* 'symbolPrototype' of undefined.
* 
* '@param {Function} equalFunc The function to determine equivalents of values.'
* 
* 'symbolValueOf' of undefined.
* 
* if ((object.byteLength != other.byteLength) ||
* (object.byteOffset != other.byteOffset)) {
* object = object.buffer;
* other = other.buffer;
* }
* 
* if ((object.byteLength != other.byteLength) ||
* !equalFunc(new Uint8Array(object), new Uint8Array(other))) {
* return false;
* }
* 
* return true;
* 
* case boolTag:
* 
* case numberTag:
* 
* case errorTag:
* 
* case regexpTag:
* 
* case stringTag:
* 
* case Symbol:
* 
* var Symbol = require('Symbol'), Uint8Array = require('Uint8Array'), eq = require('./eq'),
* 
* COMPARE_HALF_FLAG = 1,
* COMPARE_UNORDERED_FLAG = 2,
* 
* 'Boolean', 'Date', 'Error', 'Number', 'RegExp', or 'String'.
* 
* 'toStringTag'.
* 
* 'Object' object to compare.
* 
* @param {Object} other
* 
* The other object to compare.
* 
* @param {string} tag The 'toStringTag' of the objects to compare.
* 
* @param {string} tag The 'toStringTag' of the objects to compare.
* 
* @param {number} bitmask
* 
* 'toStringTag'.
* 
* 'Object' object to compare.
* 
* @param {Object} other
* 
* The other object to compare.
* 
* @param {string} tag The 'toStringTag' of the objects to compare.
* 
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* 
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* 
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* 
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* 
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* 
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* 
* @param {number} bitmask
* 
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* 
* @param {string} tag The 'toStringTag' of the objects to compare.
* 
* @param {number} bitmask
* 
* 'toStringTag'.
* 
* 'Object' object to compare.
@returns {boolean} Returns `true` if all elements pass the predicate check, `false` otherwise.

Function `baseEvery` takes a collection and a predicate function as arguments. It returns `true` if the predicate is truthy for every element in the collection, and `false` otherwise. The function iterates over each element of the collection, applying the predicate to it, and keeping track of the result. If the result is `false` for any element, the function immediately returns `false` as well. If the function iterates through all elements without finding a false result, it returns `true`.

```javascript
function baseEvery(collection, predicate) {
  var result = true;
  baseEach(collection, function(value, index, collection) {
    result = !!predicate(value, index, collection);
    return result;
  });
  return result;
}
```

This function is part of the ES6 specification, designed to provide a built-in solution for checking if all elements in an array or other iterable satisfy a certain condition.


```javascript
var exports = Object.getPrototypeOfSymbols();

"var arrayEvery = require('./_arrayEvery');

baseEvery = require('./_baseEvery');

baseIteratee = require('./_baseIteratee');

isArray = require('./isArray');

isIterateeCall = require('./_isIterateeCall');

* @static

* @memberOf _
* @since 0.1.0
* @category Collection
* @param {Array|Object} collection
* @param {Function} [iteratee=_.identity]
* @param {Object} [guard=_.getElementsByTagNameId]
* @returns {boolean} Returns `true` if all elements pass the predicate check.
* else `false`. * @example

* _.every(
*   [{ 'user': 'barney', 'age': 36, 'active': false },
*     { 'user': 'fred', 'age': 40, 'active': false },
*     { 'user': 'eddie', 'age': 46, 'active': true }
*   ],
*   function (user) { return user.age < 40; }
* );
* // => true
*```

```javascript
// The _matches property iteratee shorthand.

PropertyChanged
* @memberOf _
* @since 0.1.0
* @category Collection
* @param {Array|Object} collection
* @param {Function} [iteratee=_.identity]
* @returns {boolean} Returns `true` if all elements pass the predicate check.
* else `false`. * @example

* _.every(
*   [{ 'user': 'barney', 'age': 36, 'active': false },
*     { 'user': 'fred', 'age': 40, 'active': false },
*     { 'user': 'eddie', 'age': 46, 'active': true }
*   ],
*   function (user) { return user.age < 40; }
* );
* // => true
```
```javascript
result = []; while (++index < length) {
  var value = array[index];
  if (predicate(value, index, array)) {
    result[result.length] = value;
  }
}

var toString = Object.prototype.toString;

Array.prototype.isPrototypeOf = function (it) {
  return toString.call(it).slice(8, -1) === '[object Array]';
};

function isFunction(value) {
  return typeof value === 'function' && value.call == value.apply;
}

function getSymbols(object) {
  if (object == null) {
    return [];
  }
  object = Object(object);
  return arrayFilter(nativeGetSymbols(object),
    function(symbol) {
      return propertyIsEnumerable.call(object, symbol);
    });
}

function isArrayLike(value) {
  return value != null && isLength(value.length) &&
    !isFunction(value);
}
```

The `isLength` function checks if the `value` is array-like. It returns `true` if `value` is array-like, else `false`. The `arrayFilter` function filters an array based on a predicate function, and `propertyIsEnumerable` checks if a property is enumerable on an object.

The `getSymbols` function returns an array of the own enumerable symbols of `object`. It uses `nativeGetSymbols` to get symbols if available, otherwise it uses a `arrayFilter` with a check function that returns `true` if the symbol is enumerable.

The `isArrayLike` function checks if the `value` is array-like by checking if it is an object, its length is an integer, and it is not a function.

The `isFunction` function checks if a value is a function by checking if it has a `call` or `apply` method.

The `getSymbols` function is used to get all the symbols of an object, including those properties that are not enumerable. It uses `new Array(0)` to create an array of the correct size, then `arrayFilter` to filter out symbols that are not enumerable.

The `toString` function is used to check if an object is an array by checking if its string representation starts with `[object Array]`.

These functions are part of the `lodash` library and are used to manipulate arrays and objects in JavaScript. They are designed to be lightweight and efficient, providing a wide range of functionality for array and object manipulation.

object to query.

* @param {string} key The key of the property to get.
* @returns {*} Returns the property value.

* @function getValue
* @param {Object} object The object to query.
* @param {string} key The key of the property to get.
* @returns {*} Returns the property value.

function getValue(object, key) {
  return object == null ? undefined : object[key];
}

module.exports = getValue;

var Symbol = require('./_Symbol'),
    getRawTag = require('./_getRawTag'),
    objectToString = require('./_objectToString');

/**
 * The base implementation of `getTag` without fallbacks for buggy environments.
 * @private
 * @param {*} value The value to query.
 * @returns {string} Returns the `toStringTag`. 

function baseGetTag(value) {
  if (value == null) {
    return value === undefined ? undefinedTag : nullTag;
  }
  return (symToStringTag &&
    symToStringTag in Object(value)) ? getRawTag(value) :
    objectToString(value);
}

module.exports = baseGetTag;

// extracted by mini-css-extract-plugin

// 21.2.5.3 get RegExp.prototype.flags()
if (require('./_descriptors') && /./g.flags != 'g') require('./_object-dp').f(RegExp.prototype, 'flags', {
  configurable:
  true,
  get: require('./_flags')
});

// 19.1.2.9 / 15.2.3.2 Object.getPrototypeOf(O)

var WeakMap = getNative(root, 'WeakMap');

module.exports = WeakMap;

var defineProperty = (function() {
  try {
    var func = getNative(Object, 'defineProperty');
    func({}, '', {});
    return func;
  } catch (e) {}
}());

module.exports = defineProperty;

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;

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 * (c) 2016-present dalphyx <wjcbmk@gmail.com>
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 * @private
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        value = object[key];

    result[length] = [key, value, isStrictComparable(value)];
  }
  return result;
}

module.exports = getMatchData;
disabled(newVal) {
  if (newVal) {
    this.scroller().removeEventListener('scroll', this._handleScroll);
  } else {
    this.scroller().addEventListener('scroll', this._handleScroll);
  }
}

this.disabled(newVal) {
  if (newVal) {
    this.scroller().removeEventListener('scroll', this._handleScroll);
  } else {
    this.scroller().addEventListener('scroll', this._handleScroll);
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  }
}

this.disabled(newVal) {
  if (newVal) {
    this.scroller().removeEventListener('scroll', this._handleScroll);
  } else {
    this.scroller().addEventListener('scroll', this._handleScroll);
  }
}

this.disabled(newVal) {
  if (newVal) {
    this.scroller().removeEventListener('scroll', this._handleScroll);
  } else {
    this.scroller().addEventListener('scroll', this._handleScroll);
  }
}

this.disabled(newVal) {
  if (newVal) {
    this.scroller().removeEventListener('scroll', this._handleScroll);
  } else {
    this.scroller().addEventListener('scroll', this._handleScroll);
  }
}

this.disabled(newVal) {
  if (newVal) {
    this.scroller().removeEventListener('scroll', this._handleScroll);
  } else {
    this.scroller().addEventListener('scroll', this._handleScroll);
  }
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this.disabled(newVal) {
  if (newVal) {
    this.scroller().removeEventListener('scroll', this._handleScroll);
  } else {
    this.scroller().addEventListener('scroll', this._handleScroll);
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}

this.disabled(newVal) {
  if (newVal) {
    this.scroller().removeEventListener('scroll', this._handleScroll);
  } else {
    this.scroller().addEventListener('scroll', this._handleScroll);
  }
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  if (newVal) {
    this.scroller().removeEventListener('scroll', this._handleScroll);
  } else {
    this.scroller().addEventListener('scroll', this._handleScroll);
  }
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this.disabled(newVal) {
  if (newVal) {
    this.scroller().removeEventListener('scroll', this._handleScroll);
  } else {
    this.scroller().addEventListener('scroll', this._handleScroll);
  }
}

this.disabled(newVal) {
  if (newVal) {
    this.scroller().removeEventListener('scroll', this._handleScroll);
  } else {
    this.scroller().addEventListener('scroll', this._handleScroll);
  }
}

this.disabled(newVal) {
  if (newVal) {
    this.scroller().removeEventListener('scroll', this._handleScroll);
  } else {
    this.scroller().addEventListener('scroll', this._handleScroll);
  }
}

this.disabled(newVal) {
  if (newVal) {
    this.scroller().removeEventListener('scroll', this._handleScroll);
  } else {
    this.scroller().addEventListener('scroll', this._handleScroll);
  }
}

this.disabled(newVal) {
  if (newVal) {
    this.scroller().removeEventListener('scroll', this._handleScroll);
  } else {
    this.scroller().addEventListener('scroll', this._handleScroll);
  }
}

this.disabled(newVal) {
  if (newVal) {
    this.scroller().removeEventListener('scroll', this._handleScroll);
  } else {
    this.scroller().addEventListener('scroll', this._handleScroll);
  }
}

this.disabled(newVal) {
  if (newVal) {
    this.scroller().removeEventListener('scroll', this._handleScroll);
  } else {
    this.scroller().addEventListener('scroll', this._handleScroll);
  }
}

this.disabled(newVal) {
  if (newVal) {
    this.scroller().removeEventListener('scroll', this._handleScroll);
  } else {
    this.scroller().addEventListener('scroll', this._handleScroll);
  }
}
if (!this.isBottom) {
    this.isBottom = true;
    this.isNotBottom = false;
    this.onBottom && this.onBottom();
  }

  notBottom: function notBottom() {
    if (!this.isNotBottom) {
      this.isNotBottom = true;
      this.isBottom = false;
      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);
    }
  }

  install: function install(Vue) {
    if (install.installed) {
      return;
    }

    Vue.component(headroom.name, headroom);
  }

  var index = {
    headroom: headroom,
    install: install
  };
path = require('path');
cwd = path.resolve(dir, cwd);
exports.umask = exports.dlopen = exports.uptime = exports.memoryUsage = exports числос.Counter = function() {
  exports.features = {};
  // 7.1.4 ToInteger
  var ceil = Math.ceil;
  var floor = Math.floor;
  module.exports = function (it) {
    return isNaN(it) ? 0 : (it > 0 ? floor : ceil)(it);
  };

  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');
  var BREAK = {};
  var RETURN = {};
  var exports = module.exports = function (iterable, entries, fn, that, ITERATOR) {
    var iterFn = ITERATOR ? function () { return iterable; } : getIterFn(iterable);
    var f = ctx(fn, that, entries ? 2 : 1);
    var result;
    if (typeof iterFn != 'function')
      throw TypeError(iterable + ' is not iterable!');
    // fast case for arrays with default iterator
    if (isArrayIter(iterFn))
      for (var i = 0, length = toLength(iterable.length); length > i; i++) {
        result = entries ? f(anObject(step = iterable[i])[0], step[1]) : f(iterable[i]);
        if (result === BREAK || result === RETURN) return result;
      }
    else for (var step = iterator.next(); !step.done;) {
      result = call(iterator, f, step.value, entries);
      if (result === BREAK || result === RETURN) return result;
    }
    return BREAK = result;
context.parent._data.baseNetworks[context.props.network];

    if (!network) {
      return
    }

    return

    context.parent.createSharingUrl(context.props.network),

  })

var email = {
  "sharer": "mailto:?subject=@title&body=@url%0D%0A%0D%A@description","type":"direct",
}

var facebook = {
  "sharer": "https://www.facebook.com/sharer/share.php?url=@url&title=@title&description=@description&quote=@quote","type":"popup",
}

var googleplus = {
  "sharer": "https://plus.google.com/share?url=@url&title=@title&description=@description&quote=@quote","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=@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=@url&title=@title&description=@description&quote=@quote","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 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://api.whatsapp.com/send?text=@title&url=@url","type":"popup",
}

var sms = {
  "sharer": "sms://?body=@url%0D%0A@description","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,
  vk: vk,
  weibo: weibo,
  whatsapp: whatsapp,
  sms: sms,
}

var inBrowser = typeof window !== 'undefined';
var $window = inBrowser ? window : null;

var SocialSharing = {
  props: {
    /**
     * URL to share.
     * @var string
     */
    url: {
      type: String,
      default: inBrowser ? 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: ''
    },

    /**
     * Twitter hashtags
     * @var string
     */
    hashtags: {
      type: String,
      default: ''
    },

    /**
     * Twitter user
     * @var string
     */
    twitterUser: {
      type: String,
      default: ''
    },

    /**
     * Google plus key
     * @var string
     */
    googleKey: {
      type: String,
      default: undefined
    },

    /**
     * Network sub component tag.
     * @var string
     */
    networkTag: {
      type: String,
      default: ''
    },

    /**
     * Should counts be retrieved.
     * - NOT WORKING IN CURRENT VERSION
     * @var String
     */
    withCounts: {
      type: [String, Boolean],
      default: false
    },

    /**
     * Flag that indicates if counts should be retrieved.
     * @var Boolean
     */
    isCounting: {
      type: Boolean,
      default: false
    },

    /**
     * Specifies the image/media to be used.
     * @var string
     */
    media: {
      type: String,
      default: ''
    },

    /**
     * Specifies the image/media to be used.
     * @var string
     */
    image: {
      type: String,
      default: ''
    },

    /**
     * Specifies the image/media to be used.
     * @var string
     */
    logo: {
      type: String,
      default: ''
    },

    /**
     * Specifies the image/media to be used.
     * @var string
     */
    icon: {
      type: String,
      default: ''
    },

    /**
     * Specifies the image/media to be used.
     * @var string
     */
    avatar: {
      type: String,
      default: ''
    },

    /**
     * Specifies the image/media to be used.
     * @var string
     */
    placeholder: {
      type: String,
      default: ''
    }
  }
}
**BaseNetworks**

- **Default to Additional or overridden networks.**
- **Default**

**networks**

- **Available sharing networks.**
- **Default**

**popup**

- **Returns generated sharer URL.**
- **Default**

**Shares URL in specified network.**

**popup default dimensions.**

**Sets component aliases for buttons and links.**

**Open Source Used In ND-NODE v2.1.2b**

```

// Merge base networks list with user's list

var beforeMount = function (Vue) {
  Vue.component('social-sharing', SocialSharing);

  if (typeof window !== 'undefined') {
    window.SocialSharing = SocialSharing;
  }

  module.exports = SocialSharing;
```

```

exports.f = {}.propertyIsEnumerable;
export default
```
if (domain && !exited) domain.exit();

void onUnhandled(function (promise) {
  var onError = promise.onerror;
  promise.onerror = function (e) {
    reject(e);
  }
  var resolved = promise._d;
  if (resolved) return;

  var value = promise._v;
  var handler = promise._h;
  if (handler) handler.onUnhandled = function (promise) {
    promise.onerror = function (e) {
      reject(e);
    }
    promise._v = value;
    promise._d = true;
    promise._h = handler;
  }
  else {
    promise.onerror = function (e) {
      reject(e);
    }
    promise._v = value;
    promise._d = true;
    promise._h = false;
    promise._a = undefined;
    promise._c = []; // <- awaiting reactions
    promise._s = 0; // <- state
    promise._n = false; // <- notified
  }

  promise._a = undefined;

  var onUnhandled = function (promise) {
    if (domain && !exited) domain.exit();
    reject(e);
  }

  callable(function (value) {
    var isReject = value instanceof Error;
    if (isReject && !promise._h) onUnhandled(promise);
    promise._v = value;
    promise._d = true;
    promise._h = false;
    promise._a = undefined;
    promise._c = [];
    promise._s = 0;
  });

  while (chain.length > i)
    run(chain[i++]); // variable length - can't use forEach

  promise._c = [];
  promise._n = false;
  if (isReject && !promise._h) onUnhandled(promise);

  promise._c.push(reaction);
  promise._a.push(reaction);
  if (promise._s) notify(promise, false);
  return reaction.promise;

  var onRejected = function (reason) {
    var value = this._v;
    var type = new TypeError("Promise can't be resolved itself");
    reject(type);
  }

  var reaction = newPromiseCapability(speciesConstructor(this, $Promise));
  reaction.ok = typeof onFulfilled == 'function' ? onFulfilled : true;
  reaction.fail = typeof onRejected == 'function' && onRejected;
  reaction.domain = isNode ? process.domain : undefined;
  this._c.push(reaction);
  this._a.push(reaction);
  if (this._s) notify(this, false);

  var promise = this._w || this; // unwrap

  try {
    then.call(value, ctx($resolve, wrapper, 1), ctx($reject, wrapper, 1));
  } catch (e) {
    $reject.call(wrapper, e);
  }

  if (promise._d) return;

  promise._d = true;
  promise = promise._w || promise; // unwrap

  try {
    then.call(value, ctx($resolve, wrapper, 1), ctx($reject, wrapper, 1));
  } catch (e) {
    $reject.call(wrapper, e);
  }

  try {
    then.call(reason, ctx($reject, wrapper, 1));
  } catch (e) {
    $reject.call(wrapper, e);
  }

  if (this._d) return;

  notify(promise, true);
PROMISE, { \n  // 25.4.4.1 Promise.all(Iterable) \n  all: function all(iterable) { \n    var C = this; \n    var capability = newPromiseCapability(C); \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      if (result.c) return result.r; \n      var alreadyCalled = false; \n      values.push(undefined); \n      while (index < remaining) { \n        var $index = index++; \n        if (alreadyCalled) return; \n        alreadyCalled = true; \n        resolve(values[$index] = value); \n        if (remaining--) return; \n      } \n      var S$index = index; \n      var alreadyCalled = false; \n      values.push(undefined); \n      if (result.c) return result.r; \n      var remaining = S$index; \n      if (result.c) return result.r; \n      var C = this; \n      var capability = newPromiseCapability(C); \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        if (result.c) return result.r; \n        var alreadyCalled = false; \n        values.push(undefined); \n        while (index < remaining) { \n          var $index = index++; \n          if (alreadyCalled) return; \n          alreadyCalled = true; \n          resolve(values[$index] = value); \n          if (remaining--) return; \n        } \n        var S$index = index; \n        var alreadyCalled = false; \n        values.push(undefined); \n        if (result.c) return result.r; \n        var remaining = S$index; \n        if (result.c) return result.r; \n        var C = this; \n        var capability = newPromiseCapability(C); \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          if (result.c) return result.r; \n          var alreadyCalled = false; \n          values.push(undefined); \n          while (index < remaining) { \n            var $index = index++; \n            if (alreadyCalled) return; \n            alreadyCalled = true; \n            resolve(values[$index] = value); \n            if (remaining--) return; \n          } \n          var S$index = index; \n          var alreadyCalled = false; \n          values.push(undefined); \n          if (result.c) return result.r; \n          var remaining = S$index; \n          if (result.c) return result.r; \n          var C = this; \n          var capability = newPromiseCapability(C); \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            if (result.c) return result.r; \n            var alreadyCalled = false; \n            values.push(undefined); \n            while (index < remaining) { \n              var $index = index++; \n              if (alreadyCalled) return; \n              alreadyCalled = true; \n              resolve(values[$index] = value); \n              if (remaining--) return; \n            } \n            var S$index = index; \n            var alreadyCalled = false; \n            values.push(undefined); \n            if (result.c) return result.r; \n            var remaining = S$index; \n            if (result.c) return result.r; \n          } \n        } \n      } \n    }); \n    if (result.e) reject(result.v); \n    return capability.promise; \n  }, \n  // 25.4.4.4 Promise.race(Iterable) \n  race: function race(iterable) { \n    var C = this; \n    var capability = newPromiseCapability(C); \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, \n        function (promise) { \n          var $index = index++; \n          var alreadyCalled = false; \n          values.push(undefined); \n          if (alreadyCalled) return; \n          alreadyCalled = true; \n          resolve(values[$index] = value); \n          if (remaining--) return; \n        } \n      ); \n      if (result.c) return result.r; \n      var alreadyCalled = false; \n      values.push(undefined); \n      if (result.c) return result.r; \n      var remaining = S$index; \n      if (result.c) return result.r; \n      var C = this; \n      var capability = newPromiseCapability(C); \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        if (result.c) return result.r; \n        var alreadyCalled = false; \n        values.push(undefined); \n        while (index < remaining) { \n          var $index = index++; \n          if (alreadyCalled) return; \n          alreadyCalled = true; \n          resolve(values[$index] = value); \n          if (remaining--) return; \n        } \n        var S$index = index; \n        var alreadyCalled = false; \n        values.push(undefined); \n        if (result.c) return result.r; \n        var remaining = S$index; \n        if (result.c) return result.r; \n      } \n    }); \n    if (result.e) reject(result.v); \n    return capability.promise; \n  } \n}, \n
/* Built-in method references for those with the same name as other 'lodash' methods. */ \nvar nativeKeys = overArg(Object.keys, Object); \nmodule.exports = nativeKeys; \n
/**
 * Checks if a stack value for `key` exists.
 * @private
 * @name has
 * @memberOf Stack
 * @param {string} key The key of the entry to check.
 * @returns {boolean} Returns `true` if an entry for `key` exists, else `false`.
 */ \nfunction stackHas(key) { \n  return this.__data__.has(key); \n} \n
module.exports = stackHas; \n
var overArg = require('./_overArg'); \n
/**
 * Built-in method references for those with the same name as other 'lodash' methods. */ \nvar nativeKeys = overArg(Object.keys, Object); \nmodule.exports = nativeKeys; \n
/**
 * The base implementation of `_.reduce` and `_.reduceRight`, without support
 * for iteratee shorthands, which iterates over `collection` using `eachFunc`.
 * @private
 * @param {Array|Object} collection The collection to iterate over.
 * @param {Function} eachFunc The function invoked per iteration.
 * @param {*} initAccum The initial value.
 * @param {boolean} [useLastIndex=false] Specify using the last or first element of
 *  `collection` as the initial value.
 * @returns {*} Returns the accumulated value.
 */ \nfunction baseReduce(collection, eachFunc, initAccum, useLastIndex) { \n  var length = collection ? collection.length : 0; \n  var result = initAccum; \n  if (useLastIndex) { \n    var lastIndex = length - 1; \n    var index = (length ? -1 : 1); \n  } else { \n    var index = 0; \n  } \n  while (true) { \n    var currentResult = eachFunc(collection, index, result); \n    result = currentResult; \n    index += useLastIndex ? -1 : 1; \n    if ((length == 0 || index < 0 || index > lastIndex) \n        && result !== result) { \n      return result; \n    } \n  } \n} \n
module.exports = baseReduce; \n
var core = require('./_core'); \nvar global = require('./_global'); \nvar SHARED = '__core-js_shared__'; \nvar store = global[SHARED] || (global[SHARED] = {}); \n
(module.exports = function (key, value) { \n  return store[key] || (store[key] = value !== undefined ? value : {}); \n})('versions', []).push({ \n  version: core.version, \n  mode: require('./_library') ? 'pure' : 'global', \n  copyright: '© 2018 Denis Pushkarev (zloirock.ru)' \n});
The base implementation of `_._.flattens` with support for restricting flattening.

```javascript
function baseReduce(collection, iteratee, accumulator, initAccum, eachFunc) {
  eachFunc(collection, function(value, index, collection) {
    var accumulator = initAccum
      ? (initAccum = false, value)
      : iteratee(accumulator, value, index, collection);
  });
  return accumulator;
}

module.exports = baseReduce;
```
function (KEY, exec) { var fn = (core.Object || {})[KEY] || Object[KEY]; var exp = {}; var exp[KEY] = exec(fn);

var export$ = require('./_export');
var core = require('./_core');
var fails = require('./_fails');
module.exports = export$: exports.$ = module.exports = function (KEY, exec) {
  var fn = (core.Object || {})[KEY] || Object[KEY];
  var exp = {};
  exp[KEY] = exec(fn);

  return shared$[KEY] || (shared$[KEY] = uid(KEY));
};

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

// fallback for non-array-like ES3 and non-enumerable old V8 strings
var cof = require('./_cof');
// eslint-disable-next-line no-prototype-builtins
module.exports = function (it) {
  return cof(it) == 'String' ? it.split('') : Object(it);
};

"use strict";

var _undefined = require("../function/noop")(); // Support ES3 engines

module.exports = function (module) {
  if (!module.webpackPolyfill) {
    module.deprecate = function() {};
    module.paths = [];
    // module.parent = undefined by default
    if (!module.children) module.children = [];
  }
  return module;
};

    getMatchData = require('./_getMatchData'),
    matchesStrictComparable = require('./_matchesStrictComparable');

/**
 * The base implementation of `_.matches` without support
 * for iteratee shorthands.
 *
 * @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} source The object to query.
 * @returns {*} Returns the resolved value.
 */
function arrayGet(path, object) {
  var index = -1,
      length = path.length;

  while (++index < length) {
    var key = path[index];
    object = object[key];
  }
  return (index && index == length) ? object : undefined;
}

module.exports = arrayGet;

var castPath = require('./_castPath'),
    toKey = require('./_toKey');

/**
 * Checks if `value` is of the language type of array.
 *
 * @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`.
 */
var isArray = function(value) {
  return value != null && isLength(value.length) && isObject(value);
};
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;
}

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;
}

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;
}

define(function toString() {
  var R = anObject(this);
  return '/'.concat(R.source, '/',
    'flags' in R ? R.flags : !DESCRIPTORS && R instanceof RegExp ? $flags.call(R) :
      undefined);
}

module.exports = listCacheSet;

var assocIndexOf = require('./_assocIndexOf');

/**
 * Sets the list cache `key` to `value`. The value The value to set.
 * @param {string} key The key of the value to set.
 * @param {*} value The value to set.
 * @returns {Object} Returns the list cache instance.
 */

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;
}

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;
}

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;
}

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;
}

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;
}

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;
}

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;
}

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;
define(function toString() { return $toString.call(this);
});

// 'use strict'; defineProperty(exports, '_esModule', { value: true });

var prefix = 'fab';
var iconName = 'twitter';
var width = 512;
var height = 512;
var ligatures = [
];
var unicode = 'f099';

var arrayEach = require('./_arrayEach'),
    baseEach = require('./_baseEach'),
    castFunction = require('./_castFunction'),
    isArray = require('./isArray');

/**
 * Iterates over elements of `collection` and invokes `iteratee` for each element.
 * The iteratee is invoked with three arguments: (value, index|key, collection).
 * Iteratee functions may exit iteration early by explicitly returning `false`.
 * Note: As with other 'Collections' methods, objects with a \"length\" property are iterated like arrays. To avoid this behavior use \_\_forIn\" or \_\_forOwn\" for object iteration.

 * \* arrayEach \* returns an array of property names.
 * \* baseEach \* returns a plain object.
 * \* castFunction \* returns a function-like array.
 * isArray \* requires an array.

 * Returns \"collection\" \* @returns {Array|Object} Returns \"collection\".
 * Returns 'collection'. \* * @returns {Array|Object} Returns 'collection'.

 * The function invoked per iteration.
 *\* @returns {Array|Object} Returns 'collection'.
 * @example

 *\* forEach\* returns an array of property names.
 *\* extends \* requires an array-like value.

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Function.prototype.valueOf = function() { return this; };

Object.defineProperty(Function.prototype, 'length', { configurable: true, enumerable: false, get: function() { return 1; } });

module.exports = Function;
var _isBoolean = function(obj) {
    return toString.call(obj) == '[object Boolean]';
}

var _isDate = function(obj) {
    return toString.call(obj) == '[object Date]';
}

var _isObject = function(obj) {
    return obj === Object(obj);
}

var _isArray = function(obj) {
    return toString.call(obj) == '[object Array]';
}

var _isFunction = function(obj) {
    return typeof(obj) === 'function';
}

var _isNumber = function(obj) {
    obj = obj - 0;
    return obj === obj;
}

var _isNumerical = function(string) {
    var numbers = '0123456789';
    for(var i = 0, l = string.length; i < l; i++) {
        if(numbers.indexOf(string[i]) == -1) {
            return false;
        }
    }
    return true;
}

var _isRegExp = function(obj) {
    return toString.call(obj) == '[object RegExp]';
}

var _isString = function(obj) {
    return typeof(obj) === 'string';
}

var _isSymbol = function(obj) {
    return typeof(obj) === 'symbol';
}

var _isUndefined = function(obj) {
    return typeof(obj) === 'undefined';
}

var _isElement = function(obj) {
    return obj instanceof HTMLElement;
}

var _isWindow = function(obj) {
    return obj instanceof Window;
}

var _isNative = function(obj) {
    return obj.constructor == Object;
}

var _isTypedArray = function(obj) {
    return obj instanceof Uint8Array;
}

var _isArguments = function(obj) {
    return obj instanceof Arguments;
}

var _isProxy = function(obj) {
    return obj instanceof Proxy;
}

var _isMap = function(obj) {
    return obj instanceof Map;
}

var _isSet = function(obj) {
    return obj instanceof Set;
}

var _isPromise = function(obj) {
    return obj instanceof Promise;
}

var _isError = function(obj) {
    return obj instanceof Error;
}

var _isNull = function(obj) {
    return obj === null;
}

var _isNullish = function(obj) {
    return _isNull(obj) || _isUndefined(obj) || _isNull(obj);
}

var _isStrict = function(obj) {
    return typeof(obj) === 'object' && obj !== null && _isStrictEqual(obj);
}

var _isStrictEqual = function(obj) {
    return _isEqual(obj, obj);
}

var _isEqual = function(obj, other) {
    return _isStrictEqual(obj) && _isStrictEqual(other);
}

var _isDeepStrictEqual = function(obj, other) {
    return _isEqual(obj, other);
}

var _isDeepEqual = function(obj, other) {
    return _isEqual(obj, other);
}

var _isNearEqual = function(obj, other) {
    return _isEqual(obj, other);
}

var _isStrictEqual = function(obj) {
    return _isEqual(obj, obj);
}

var _isDeepStrictEqual = function(obj) {
    return _isEqual(obj, obj);
}

var _isDeepEqual = function(obj) {
    return _isEqual(obj, obj);
}

var _isNearEqual = function(obj) {
    return _isEqual(obj, obj);
}

var _isStrictEqual = function(obj) {
    return _isEqual(obj, obj);
}

var _isDeepStrictEqual = function(obj) {
    return _isEqual(obj, obj);
}

var _isDeepEqual = function(obj) {
    return _isEqual(obj, obj);
}

var _isNearEqual = function(obj) {
    return _isEqual(obj, obj);
}

var _isStrictEqual = function(obj) {
    return _isEqual(obj, obj);
}

var _isDeepStrictEqual = function(obj) {
    return _isEqual(obj, obj);
}

var _isDeepEqual = function(obj) {
    return _isEqual(obj, obj);
}

var _isNearEqual = function(obj) {
    return _isEqual(obj, obj);
}

var _isStrictEqual = function(obj) {
    return _isEqual(obj, obj);
}

var _isDeepStrictEqual = function(obj) {
    return _isEqual(obj, obj);
}

var _isDeepEqual = function(obj) {
    return _isEqual(obj, obj);
}

var _isNearEqual = function(obj) {
    return _isEqual(obj, obj);
}
C = global[KEY];
if (DESCRIPTORS && C && !C[SPECIES])
  dP(f(C, SPECIES, {
    configurable: true,
    get: function () { return this; }
  }));

var mapCacheClear = require('./_mapCacheClear'),
mapCacheGet = require('./_mapCacheGet'),
mapCacheHas = require('./_mapCacheHas'),
mapCacheSet = require('./_mapCacheSet');

var DESCRIPTORS = require('./_descriptors'),
   𝙿ユーعطاء
';

var MapCache.prototype.clear = mapCacheClear;
MapCache.prototype['delete'] = mapCacheDelete;
mapCache.prototype.get = mapCacheGet;

/**
 * Creates a map cache object to store key-value pairs.
 *
 * @private
 * @constructor
 * @param {Array} [entries] The key-value pairs to cache.
 */
function MapCache(entries) {
  var index = -1,
      length = entries == null ? 0 : entries.length;

  this.clear();
  while (++index < length) {
    var entry = entries[index];
    this.set(entry[0], entry[1]);
  }
}

// Add methods to 'MapCache'.
MapCache.prototype.clear = mapCacheClear;
MapCache.prototype['delete'] = mapCacheDelete;
MapCache.prototype.get = mapCacheGet;
MapCache.prototype.has = mapCacheHas;
MapCache.prototype.set = mapCacheSet;

module.exports = MapCache;

var Stack = require('./_Stack'),
equalArrays = require('./_equalArrays'),
equalByTag = require('./_equalByTag'),
equalObjects = require('./_equalObjects'),
getTag = require('./_getTag'),
isArray = require('./isArray'),
isBuffer = require('./isBuffer'),
isTypedArray = require('./isTypedArray');

/** Used to compare 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 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) {
    stack || (stack = new Stack);
    return (objIsArr || isTypedArray(object))
      ? equalArrays(object, other, bitmask, customizer,
                    equalFunc, stack)
      : equalByTag(object, other, objTag, 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);
    }
  }
  if (!isSameTag) {
    return false;
  }
  stack || (stack = new Stack);
  return equalObjects(object, other, bitmask, customizer, equalFunc, stack);
}

module.exports = baseIsEqualDeep;

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 getAllKeys(object, keysFunc, stack) {
  return keysFunc(object, stack);
}

var module.exports = baseIsEqualDeep,
    String = require('./_string'),
    underscore = require('./underscore');
symbolsFunc) {
  var result = keysFunc(object);
  return isArray(result) ? result : arrayPush(result, symbolsFunc(object));
}

stackDelete = require('./stackDelete'),
stackHas = require('./stackHas'),
stackSet = require('./stackSet');

### Used to stand-in for 'undefined' hash values.

```javascript
var HASH_UNDEFINED = '__lodash_hash_undefined__';

/**
 * Adds `value` to the array cache.
 *
 * @private
 * @name add
 * @memberOf SetCache
 * @alias push
 * @param {*} value The value to add.
 * @returns {Object} Returns the cache instance.
 */
function setCacheAdd(value) {
  this.__data__.set(value, HASH_UNDEFINED);
  return this;
}
```

```javascript
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 });
};
```

```javascript
var dP = require('./_object-dp').f;
var FProto = Function.prototype;
var nameRE = /^\s*function \([^\(]*\)\]/;
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 '';
    }
  }
});
```

### Used in ND-NODE v2.1.2b

```javascript
```

```javascript
/**
 * Gets the stack value for `key`.
 *
 * @private
 * @name get
 * @memberOf Stack
 * @param {string} key The key of the value to get.
 * @returns {*} Returns the entry value.
 */
function stackGet(key) {
  return this.__data__.get(key);
}
```

```javascript
/**
 * 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;
}
```

```javascript
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 global = require('./global');
      var macrotask = require('./_task').set;

      var Observer = global.MutationObserver ||
webkit.MutationObserver ||
global.WebKitMutationObserver;

      var process =

      global.process;
      var Promise = global.Promise;

      var isNode = require('./_cof')(process) == 'process';

      var module.exports = function () {
        var var result = keysFunc(object);
        return isArray(result) ? result : arrayPush(result, symbolsFunc(object));
      }
```

node.data = toggle; fn(); // environments with maybe non-completely correct, but existent Promise

else if (Promise && Promise.resolve) { fn(); // Promise.resolve(undefined);

notify = function () { fn(); // promise.then(flush);

};

// for other environments - macrotask based on

server bug - use call(global, macrotask.call(global, flush);)

}`

// environments with maybe non-completely correct, but existent Promise

else if (Promise && Promise.resolve) {

// Promise.resolve without an argument throws an error in LG WebOS

var promise = Promise.resolve(undefined);

notify = function () {

promise.then(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, fn); if (last) last.next = task;

if (!head) {

head = task;

notify();

last = task;

} var core = module.exports = {

version: '2.5.7',

\n


defineProperties = Object.defineProperties
, defineProperty = Object.defineProperty, objPrototype = Object.prototype
, NativeSymbol, SymbolPolyfill, HiddenSymbol, globalSymbols = create(null)
, isNativeSafe;\nif (typeof Symbol !== 'function') {\n    NativeSymbol = Symbol;\n    try {\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                name = '@@' + desc;
                objPrototype\n                    .defineProperty(objPrototype, name, d(gs(null, function (value) {\n                        // For IE11 issue see:
                        // https://connect.microsoft.com/IE/feedbackdetail/view/1928508
                        // ie11-broken-getters-on-dom-objects\n                        \n                        if (ie11BugWorkaround) return;
                        ie11BugWorkaround = false;\n                    })));\n            }\n        }();\n    } catch (ignore) {}\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;
            name = '@@' + desc;
            objPrototype\n                .defineProperty(objPrototype, name, d(gs(null, function (value) {\n                    // For IE11 issue see:
                    // https://connect.microsoft.com/IE/feedbackdetail/view/1928508
                    // ie11-broken-getters-on-dom-objects\n                    \n                    if (ie11BugWorkaround) return;
                    ie11BugWorkaround = false;\n                })));\n        }();\n    }());\n
    // Internal constructor (not one exposed) for creating Symbol\n    \n    This one is used to ensure that `someSymbol instanceof Symbol` always return false\n    NativeSymbol = function Symbol(description) {\n        \n        if (typeof Symbol === 'function') {\n            NativeSymbol = Symbol;
            try {\n                String(NativeSymbol());\n                isNativeSafe = true;
            } catch (ignore) {}\n        }

        \n        var generateName = (function () {\n            var created = create(null);
            return function (desc) {\n                \n                var postfix = 0, name, ie11BugWorkaround;
                while (created[desc + (postfix || '')]) ++postfix;
                desc += (postfix || '');\n                name = '@@' + desc;
                objPrototype\n                    .defineProperty(objPrototype, name, d(gs(null, function (value) {\n                        // For IE11 issue see:
                        // https://connect.microsoft.com/IE/feedbackdetail/view/1928508
                        // ie11-broken-getters-on-dom-objects\n                        \n                        if (ie11BugWorkaround) return;
                        ie11BugWorkaround = false;\n                    })));\n            }\n        }();\n    }();\n
    // Exposed Symbol constructor\n    \n    module.exports = SymbolPolyfill = function Symbol(description) {\n        \n        var symbol;
        if (this instanceof Symbol) throw new TypeError('Symbol is not a constructor');\n        return SymbolPolyfill(description);\n    };

    // Internal constructor (not one exposed) for creating Symbol\n    \n    This one is used to ensure that `someSymbol instanceof Symbol` always return false\n    this instance of Symbol throw new TypeError('Symbol is not a constructor');\n    (isNativeSafe) return\n    NativeSymbol(description);\n    return\n    create(HiddenSymbol.prototype);\n
    // Proper implementation of methods exposed on Symbol.prototype\n    \n    They won't be accessible on produced symbol instances as they derive from\n    HiddenSymbol.prototype\n
    defineProperties = Object.defineProperties
    \n    // Proper implementation of methods exposed on Symbol.prototype\n    \n    They won't be accessible on produced symbol instances as they derive from

SymbolPolyfill.toPrimitive
	d('c', SymbolPolyfill.prototype[SymbolPolyfill.toPrimitive()]);

var isArrayLike = require('isArrayLike');

var

function createBaseEach(eachFunc, fromRight) {
  return function(collection, iteratee) {
    if (collection == null) {
      return collection;
    }
    if (!isArrayLike(collection)) {
      return eachFunc(collection, iteratee);
    }
    var length = collection.length,
        index = fromRight ? length : -1;

    while ((fromRight ? index-- : ++index < length)) {
      if (iteratee(iterable[index], index, iterable) === false) {
        break;
      }
    }
    return collection;
  };
}

module.exports = createBaseEach;

/*
 * 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);
}

module.exports = eq;

/*
 * 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--) {
    var data = matchData[index];
    if (noCustomizer && data[2]) {
      if (data[1] !== object[data[0]]) {
        return false;
      }
    } else {
      var key = data[0],
          srcValue = data[1];

      if (customizer) {
        var result = customizer(object[key], srcValue, key, object, source, stack);
        if (result !== undefined) {
          return result;
        }
      }
      if (isValue(srcValue)) {
        var isMatch = isMatchSrcValue(srcValue, key, data[1], srcValue,
          objValue, key, object, source, stack, 
          object, data, index, matchData, object, source, data[1], srcValue);
      } else if (isValue(object[key])) {
        var isMatch = isMatchSrcValue(object[key], srcValue, key, data[1], srcValue,
          objValue, key, object, source, stack, 
          object, data, index, matchData, object, source, data[1], srcValue);
      }
    }
  }
  return true;
}

}
}

Array(collection.length) : 

  baseEach(collection, function(value, key, collection) {
    result[++index] = 
  });

Array.prototype["unscopables"] = 

var baseGet = require('./_baseGet');

module.exports = get;

global.navigator;\n
```
module.exports = navigator & navigator.userAgent || ";\n", var SetCache = require('./_SetCache'),\n arraySome = require('./_arraySome'),\n cacheHas = require('./_cacheHas');\n
/* Used to compose bitmasks for value comparisons. */
var COMPARE_PARTIAL_FLAG = 1;

COMPARE_UNORDERED_FLAG = 2;

/* A specialized version of `baseIsEqualDeep` for arrays with support for
 * partial deep comparisons. */

var * @private * @param {Array} array The array to compare.\n * @param {Array} other The other array to compare.\n * @param {Number} bitmask The bitmask flags. See `baseIsEqual`
 * for more details.\n
* @param {Function} customizer The function to customize comparisons.\n
* @param {Function} equalFunc The function to determine equivalents of values.\n
* @param {Object} stack Tracks traversed 'array' and 'other' objects.\n
* @returns [Boolean] Returns `true` if the arrays are equivalent, else

'false'.\n
*/

function equalArrays(array, other, bitmask, customizer, stack) {\n  var isPartial = bitmask & COMPARE_PARTIAL_FLAG,
      arrLength = array.length,
      othLength = other.length;\n
  if (arrLength != othLength && !(isPartial && othLength > arrLength)) {\n    return false;\n  } // Assume cyclic values are equal.\n
  var varStacked = stack.get(array);\n  if (varStacked && stack.get(other)) {\n    return varStacked == other;\n  }\n
  var index = -1,
      result = true,
      seen = bitmask & COMPARE_UNORDERED_FLAG ? new SetCache : undefined;\n
  stack.set(array, other);
  stack.set(other, array);

  // Ignore non-index properties.\n  while (++index < arrLength) {\n    var arrValue = array[index],
        othValue = other[index];\n
    if (customizer) {\n      var compared = isPartial
          ? customizer(othValue, arrValue, index, other, array, stack)
          : customizer(arrValue, othValue, index, other, array, stack);
    }\n    if (compared !== undefined) {\n      if (compared) {\n        continue;
      }\n      result = false;
      break;
    } // Recursively compare arrays (susceptible to call stack limits).\n    if (seen) {\n      if (!arraySome(other, function(othValue, othIndex) {
            if (!cacheHas(seen, othIndex) &&
                (arrValue === othValue || equalFunc(arrValue, othValue, bitmask, customizer, stack))) {
              return seen.push(othIndex);
            }
          })) {\n        result = false;
        break;
      } else if (!varStacked) {\n        var arrValue = array[index],
            othValue = other[index];\n
        if (comparison !== undefined) {\n          if (comparison) {\n            continue;
          }\n          result = false;
          break;
        }\n      }\n    }\n  }\n  stack['delete'](array);
  stack['delete'](other);
  return result;
}

module.exports = equalArrays;
```

```
var constant = require('./constant'),
    defineProperty = require('./_defineProperty'),
    identity = require('./identity');\n
/**\n * The base implementation of `setToString` without support for hot loop shorting.\n * @private\n * @param {Function} func The function to modify.\n * @param {Function} string The `toString` result.\n * @returns {Function} Returns `func`.\n */

var baseSetToString = !defineProperty ? identity : function(func, string) {\n  return defineProperty(func, 'toString', {\n    'configurable': true,
    'enumerable': false,
    'value': constant(string),
    'writable': true
  });\n};\n
module.exports = baseSetToString;
```

```
// @@replace logic\nrequire('./_fix-re-wks')('replace', 2, function (defined, REPLACE, $replace) {\n  // 21.1.3.14 String.prototype.replace(searchValue, replaceValue)\n  return [function replace(searchValue, replaceValue) {
    'use strict';
    var O = defined(this);
    var fn = searchValue == undefined ? undefined : searchValue[REPLACE];
    return fn !== undefined
      ? fn.call(searchValue, O, replaceValue)\n      : $replace.call(String(O), searchValue, replaceValue);
  }, $replace];
});
```

```
var getMapData = require('./_getMapData');\n
/**\n * Checks if a map value for `key` exists.\n * @private\n * @name has\n * @memberOf MapCache\n * @param {string} key The key to check.\n * @returns {boolean} Returns `true` if an entry for `key` exists, else `false`.\n */

function mapCacheHas(key) {\n  return getMapData(this, key).has(key);\n}

module.exports = mapCacheHas;
```

```
'use\nstrict';\n
// 25.4.1.5 NewPromiseCapability(C)\nvar aFunction = require('./_a-function');\n
function PromiseCapability(C) {\n  var resolve, reject;\n  this.promise = new C(function ($$resolve, $$reject) {\n    if (resolve !== undefined || reject !== undefined) throw TypeError('Bad Promise constructor');\n    resolve = $$resolve;\n    reject = $$reject;
  });\n}

module.exports.f = function (C) {\n  return new PromiseCapability(C);
};
```

```
var baseGetAllKeys = require('./_baseGetAllKeys'),\n    getSymbols = require('./_getSymbols'),
    keys = require('./keys');\n
/* Creates an array of own enumerable property names and symbols of `object`.\n*/

var * @private * @param {Object} object The object to query.\n * @returns {Array} Returns the array of property names and symbols.\n*/

function getAllKeys(object) {\n  return baseGetAllKeys(object, keys,
```
Open Source Used In ND-NODE v2.1.2b
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];
    if (!(isPartial ? key in other : hasOwnProperty.call(other, key))) {
      return false;
    }
  }
  // Assume cyclic values are equal.
  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) {
    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);
    }
    // Recursively compare objects (susceptible to
call stack limits).
    if (!compared && (objValue != othValue || equalFunc(objValue,
        othValue, bitmask, customizer, stack))) {
      result = false;
      break;
    }
    skipCtor || (skipCtor = key == 'constructor');
  }
  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)) {
      result = false;
    }
  }
  stack['delete'](object);
  stack['delete'](other);
  return result;
}
```

module.exports = equalObjects;
```
```
Open Source Used In ND-NODE v2.1.2b 29942

```javascript

// This is a try block
try {
    // This is a catch block
    catch (error) {
        // This is a finally block
        finally {
            // This is a throw block
            throw (new Error("Message"));
        }
    }
} catch (error) {
    console.error("Error: ", error.message);
}
```
Open Source Used In ND-NODE v2.1.2b
Invalid `target` attribute. Please use `readonly` instead of `disabled` attribute;
is.string(target)) { \n    return listenSelector(target, type, callback); \n  } else { \n    throw new TypeError('First argument must be a String, HTMLDocument, HTMLCollection, or NodeList'); \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.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 `useCapture` without running into deoptimizations
        return delegate(document, selector, type, callback, useCapture); // Handle Selectors-based usage if (typeof elements === 'string') { elements = document.querySelectorAll(elements); }
    }

    // Handle Array-like based usage if (typeof elements === 'string') { //document.querySelectorAll(elements); }
}

var DOCUMENT_NODE_TYPE = 9;

/**
 * A polyfill for Element.matches()
 */
if (typeof Element !== 'undefined' && !Element.matches) {
    var proto = Element.prototype;

    proto.matches = function(element, selector) {
        return closest(element, selector) === element;
    };

    // Handle the regular element usage
    if (typeof elements.addEventListner === '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 `useCapture` without running into deoptimizations
        return _delegate.bind(null, document).apply(null, arguments); }
    }
}

Open Source Used In ND-NODE v2.1.2b 29945
proto.matchesSelector ||
  proto.mozMatchesSelector ||
  proto.webkitMatchesSelector ||
  proto.oMatchesSelector ||
  proto.webkitMatchesSelector;
}

/**
 * Finds the closest parent that matches a selector.
 * @param {Element} element
 * @returns {Function}
 */
function closest (element, selector) {
  while (element && element.nodeType !== DOCUMENT_NODE_TYPE) {
    if (typeof element.matches === 'function' &&
        element.matches(selector)) {
      return element;
    }
    element = element.parentNode;
  }
  return element.parentNode;
}

module.exports = closest;


/***/ })
/**
 * Gets the last cache value for 'key'.
 * @param {string} key
 * @returns {Function}
 */
function hashGet(key) {
  var data = this.__data__;
  if (nativeCreate) {
    var result = data[key];
    return result === HASH_UNDEFINED ? undefined : result;
  }
  return hasOwnProperty.call(data, key) ?
    data[key] : undefined;
}

module.exports = hashGet;

var anObject = require('./_an-object');
var isObject = require('./_is-object');
var newPromiseCapability = require('./_new-promise-capability');

module.exports = function (C, x) {
  anObject(C);
  if (isObject(x) && x.constructor === C) return x;
  var promiseCapability = newPromiseCapability.f(C);
  var resolve = promiseCapability.resolve;
  return promiseCapability.promise;
};

// 7.2.1 RequireObjectCoercible(argument)
module.exports = function (it) {
  if (it == undefined) throw TypeError("Can't call method on  " + it);
  return it;
};

function _defineProperties(target, props) {
  for (var i = 0; i < props.length; i++) {
    var descriptor = props[i];
    descriptor.enumerable = descriptor.enumerable || false;
    descriptor.configurable = true;
    if ("value" in descriptor) descriptor.writable = true;
    Object.defineProperty(target, descriptor.key, descriptor);
  }
}

export default function _createClass(Constructor, protoProps, staticProps) {
  if (protoProps)
    _defineProperties(Constructor.prototype, protoProps);
  if (staticProps)
    _defineProperties(Constructor, staticProps);
  return Constructor;
}
The other value to compare.

```javascript
function baseIsEqual(value, other, bitmask, customizer, stack) {
  if (value === other) {
    return true;
  }
  if (value == null || other == null || (!isObjectLike(value) && !isObjectLike(other))) {
    return value !== value && other !== other;
  }
  return baseIsEqualDeep(value, other, bitmask, customizer, baseIsEqual, stack);
}
```

```javascript
module.exports = baseIsEqual;
```

```javascript
var noop = function () {};

var _WINDOW = {};
var _DOCUMENT = {};
var _MUTATION_OBSERVER = 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 = MutationObserver;
  if (typeof performance !== 'undefined') _PERFORMANCE = performance;
} catch (e) {
}

var IS_DOM = !!_DOCUMENT.documentElement && !!_DOCUMENT.head && typeof _DOCUMENT.addEventListener === 'function' && typeof _DOCUMENT.createElement === 'function';
var IS_IE = ~_WINDOW.navigator.userAgent.indexOf('MSIE') || ~_WINDOW.navigator.userAgent.indexOf('Trident/');

var NAMESPACE_IDENTIFIER = '___FONT_AWESOME___';
var PRODUCTION = function () {
  try {
    return process.env.NODE_ENV === 'production';
  } catch (e) {
    return false;
  }
}();

var oneToTen = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10];
var oneToTwenty = oneToTen.concat([11, 12, 13, 14, 15, 16, 17, 18, 19, 20]);

var classCallCheck = function (instance, Constructor) {
  if (!(instance instanceof Constructor)) {
    throw new TypeError("Cannot call a class as a function");
  }
};

var defineProperties = function (target, properties) {
  for (var i = 0; i < properties.length; i++) {
    var property = properties[i];
    property.enumerable = property.enumerable || false;
    property.configurable = true;
    if ('value' in property) property.writable = true;
    Object.defineProperty(target, property.key, property);
  }
};

var toConsumableArray = function (arr) {
  if (Array.isArray(arr)) {
    for (var i = ...

Open Source Used In ND-NODE v2.1.2b 29947
0. arr2 = Array(arr.length); i < arr.length; i++) arr2[i] = arr[i]; return arr2;

} else { return Array.from(arr); }

initial = WINDOW.FontAwesomeConfig || {};

function getAttrConfig(attr) {

  var att = {};

  for (var i = 0; i < atts.length; i++) {
    var attr = atts[i][0], key = atts[i][1];

    att[key] = coerce(getAttrConfig(attr));

    if (att[key] !== undefined && att[key] !== null) {
      initial[key] = att[key];
    }
  }

  return initial;
}

function getIconName(familyPrefix, cls) {
  var parts = cls.split('-');
  var iconName = parts.slice(1).join('-');

  if (prefix === familyPrefix && iconName !== '' && !isReserved(iconName)) {
    return iconName;
  } else {
    return null;
  }
}

function htmlEscape(str) {
  return ('' + str).replace(/&/g, '&amp;').replace(/"/g, '&quot;').replace(/'/g, '&#39;').replace(/</g, '&lt;').replace(/>/g, '&gt;');
}

function joinAttributes(attributes) {
  return Object.keys(attributes || {}).reduce(function (acc, attributeName) {
    return acc + (attributeName + '="' + htmlEscape(attributes[attributeName]) + '" ');
  }, '').trim();
}

function joinStyles(styles) {
  return Object.keys(styles || {}).reduce(function (acc, styleName) {
    return acc + (styleName + '="' + htmlEscape(styles[styleName]) + '" ');
  }, '').trim();
}
return acc + (styleName + ': ' + styles[styleName] + ';') || ';

}

function transformIsMeaningful(transform) {
  var transform.size !== meaninglessTransform.size || transform.x !== meaninglessTransform.x || transform.y !== meaninglessTransform.y || transform.rotate !== meaninglessTransform.rotate || transform.flipX !== meaninglessTransform.flipX
  return undefined;
}

function transformForSvg(_ref, transform) {
  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 + ');
    iconScale = 'scale(' + transform.size / 16 + ' * transform.flipX ? -1 : 1) + ';
    iconRotate = 'rotate(' + transform.rotate + ' 0 0)';
    inner = { transform: 'translate(' + iconTranslate + ' + ' + iconScale + ' + ' + iconRotate
    };
  var
    path = { transform: 'translate(' + iconTranslate + ' + ' + iconScale + ' + ' + iconRotate
    };
  var
    defs = { transform: 'translate(' + iconTranslate + ' + ' + iconScale + ' + ' + iconRotate
    };

  return {
    outer: outer,
    inner: inner,
    path: path
  };
}

function transformForCss(_ref2) {
  var
    transform = _ref2.transform,
    containerWidth = _ref2.containerWidth,
    iconWidth = _ref2.iconWidth;
  var
    outer = { transform: 'translate(' + containerWidth / 2 + ' -256)';
  };
  var
    innerTranslate = 'translate(' + transform.x + ' + ' + transform.y + ');
    iconScale = 'scale(' + transform.size / 16 + ' * transform.flipX ? -1 : 1) + ';
    iconRotate = 'rotate(' + transform.rotate + ' 0 0)';
    inner = { transform: 'translate(' + innerTranslate + ' + ' + iconScale + ' + ' + iconRotate
    };
  var
    path = { transform: 'translate(' + innerTranslate + ' + ' + iconScale + ' + ' + iconRotate
    };
  var
    defs = { transform: 'translate(' + innerTranslate + ' + ' + iconScale + ' + ' + iconRotate
    };

  return {
    outer: outer,
    inner: inner,
    path: path
  };
}

function transformIsMeaningful(transform) {
  var
    transform.size !== meaninglessTransform.size || transform.x !== meaninglessTransform.x || transform.y !== meaninglessTransform.y
  return undefined;
}

function

```javascript
var _ref, _ref.children,
      attributes = _ref.attributes,
      symbol = _ref.symbol;

var id = symbol === true ? prefix + '-' + config.familyPrefix + '-' + iconName : symbol;

return [{
  tag: 'svg',
  attributes: {
    'style': 'display: none;
  },
  children: [{
    tag: 'symbol',
    attributes: _extends({}, attributes, { id: id }),
    children: children
  }]
}];

function makeInlineSvgAbstract(params) {
  var _params$icons = params.icons,
      main = _params$icons.main,
      mask = _params$icons.mask,
      prefix = params.prefix,
      iconName = params.iconName,
      transform = params.transform,
      symbol = params.symbol,
      title = params.title,
      extra = params.extra,
      _params$watchable = params.watchable,
      watchable = _params$watchable === undefined ? false : _params$watchable,
      widthClass = 'fa-w-' + Math.ceil(width / height * 16);

  var width = mask.found ? mask.width : main.width;
  var height = mask.found ? mask.height : main.height;

  var widthClass = 'fa-w-' + Math.ceil(width / height * 16);
  var attrClass = [config.replacementClass, iconName ? config.familyPrefix + '-' + iconName : '', widthClass].filter(function (c) {
    return extra.classes.indexOf(c) === -1;
  }).concat(extra.classes).join(' ');

  var content = {
    children: [],
    attributes: _extends({}, extra.attributes, {
      'data-prefix': prefix,
      'data-icon': iconName,
      'class': attrClass,
      'role': 'img',
      'xmlns': 'http://www.w3.org/2000/svg',
      'viewBox': '0 0 ' + width + ' ' + height
    })
  };

  if (watchable) {
    content.attributes[DATA_FA_I2SVG] = ''; 
  }

  if (title) content.children.push({ tag: 'title', attributes: { id: content.attributes['aria-labelledby'] || 'title-' + nextUniqueId() }, children: [title] });

  var args = _extends({}, content, {
    prefix: prefix,
    iconName: iconName,
    main: main,
    mask: mask,
    transform: transform,
    symbol: symbol,
    styles: extra.styles
  });

  var _ref2 = mask.found && main.found ? makeIconMasking(args) : makeIconStandard(args),
      children = _ref2.children,
      attributes = _ref2.attributes;

  args.children = children;
  args.attributes = attributes;

  if (symbol) {
    return asSymbol(args);
  } else {
    return asIcon(args);
  }
}

function makeLayersTextAbstract(params) {
  var _params$extra = params.extra,
      content = params.content,
      width = params.width,
      height = params.height,
      transform = params.transform,
      title = params.title,
      extra = params.extra,
      _params$watchable2 = params.watchable,
      watchable = _params$watchable2 === undefined ? false : _params$watchable2,
      styleString = joinStyles(extra.styles);

  var attributes = _extends({}, extra.attributes, title ? { 'title': title } : {}, {
    'class': extra.classes.join(' '),
    'style': styleString
  });

  if (watchable) {
    attributes[DATA_FA_I2SVG] = ''; 
  }

  var styleString = joinStyles(extra.styles);

  if (styleString.length > 0) {
    attributes['style'] = styleString;
  }

  var val = [];

  val.push({
    tag: 'span',
    attributes: attributes,
    children: [content]
  });

  if (title) {
  }

  return val;
}

function makeLayersCounterAbstract(params) {
  var _params$extra = params.extra,
      content = params.content,
      title = params.title,
      extra = params.extra;

  var attributes = _extends({}, extra.attributes, title ? { 'title': title } : {}, {
    'class': extra.classes.join(' '),
    'style': styleString
  });

  var styleString = joinStyles(extra.styles);

  if (styleString.length > 0) {
    attributes['style'] = styleString;
  }

  var val = [];

  val.push({
    tag: 'span',
    attributes: attributes,
    children: [content]
  });

  if (title) {
  }

  return val;
}

var noop$2 = function noop() {};
var p = config.measurePerformance && PERFORMANCE && PERFORMANCE.mark && PERFORMANCE.measure ? PERFORMANCE : { mark: noop$2, measure: noop$2 }
var p.measure = function measure (mark, performance) {
  var perf = { begin: function () { var a, b, c, d, domain, startTime, endTime, time, value, duration, start = perf.start || Date.now(), now = null, results = []; 

    for (a = 0; a < arguments.length; a++) { 
      var arg = arguments[a];

      if (typeof arg === 'number') {
        duration = 0;
        start = perf.start || Date.now();

        if (typeof arg === 'number') {
          time = perf.duration || now - perf.start;
          value = perf.value || arg;

          results.push({
            'name': perf.name,
            'duration': duration,
            'value': value
          });
        } else {
          if (typeof arg === 'object') {
            if (arg.start) {
              start = perf.start || Date.now();

              if (typeof arg.duration === 'number') {
                duration = arg.duration;

                if (typeof arg.value === 'number') {
                  value = arg.value;
                  time = perf.duration || now - perf.start;
                  results.push({
                    'name': perf.name,
                    'duration': duration,
                    'value': value
                  });
                } else {
                  results.push({
                    'name': perf.name,
                    'duration': duration,
                    'value': arg.value
                  });
                }
              } else {
                results.push({
                  'name': perf.name,
                  'duration': duration,
                  'value': arg
                });
              }
            } else {
              if (typeof arg.start === 'number') {
                start = arg.start;
              } else {
                start = perf.start || Date.now();
              }

              if (typeof arg.duration === 'number') {
                duration = arg.duration;

                if (typeof arg.value === 'number') {
                  value = arg.value;
                  time = perf.duration || now - perf.start;
                  results.push({
                    'name': perf.name,
                    'duration': duration,
                    'value': value
                  });
                } else {
                  results.push({
                    'name': perf.name,
                    'duration': duration,
                    'value': arg.value
                  });
                }
              } else {
                results.push({
                  'name': perf.name,
                  'duration': duration,
                  'value': arg
                });
              }
            }
          } else {

```
Object.keys(subject), length = keys.length, iterator = thisContext !== undefined ? bindInternal4(fn, thisContext) : fn, i, key, result; i = 0; result = initialValue; for (i < length; i++) {
  key = keys[i];
  result = function lookup(reducer) {
    return reduce(styles$2, function (o, style, prefix) {
      o[prefix] = reduce(style, reducer, {});
      return o; });
  };
  var keys = namespace.shims.$\n  var styles$1 = namespace.styles.$

  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.replaceClass && cls.indexOf('fa-w-') !== 0) {
        acc.release();
      } else if (acc) {
        return acc;
      } else if (config.familyPrefix) {
        return acc; }
    }, emptyCanonicalIcon());

    function iconFromMapping(mapping, prefix, iconName) {
      return mapping[prefix][iconName] ? {
        prefix: prefix,
        iconName: iconName,
        icon: mapping[prefix][iconName]
      } : null;
    }

    function toHtml(abstractNodes) {
      var tag = abstractNodes.tag,
      attributes = abstractNodes.attributes,
      children = abstractNodes.children,
      newInnerHTML = abstractNodes.map(function (a) {
        return toHtml(a);
      }).join('');
      return newOuterHTML = abstract.map(function (a) {
        return toHtml(a);
      }).join('');
    }

    function perform(mutations, callback) {
      var callbackFunction = typeof callback ===

      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;
        }
        return mutators[config.autoReplaceSvg] || mutators.replace;
      }

      var mutators = {
        replace: function replace(mutation) {
          var node = mutation[0];
          var abstract = mutation[1];
          var newOuterHTML = abstract.map(function (a) {
            return toHtml(a);
          }).join('');
          node.parentNode.replaceChild(node, node);}
        }
      }
    }

    function perform(mutations, callback) {
      var callbackFunction = typeof callback ===

      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;
        }
        return mutators[config.autoReplaceSvg] || mutators.replace;
      }

      var mutators = {
        replace: function replace(mutation) {
          var node = mutation[0];
          var abstract = mutation[1];
          var newOuterHTML = abstract.map(function (a) {
            return toHtml(a);
          }).join('');
          node.parentNode.replaceChild(node, node);}
        }
      }
    }
  }
}

'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 (attr) {
    return;
  }

  if (config.observeMutations) {
    // isWatching()
    var frame = window.requestAnimationFrame || function (op) {
      return op();
    };
    frame(function () {
      var mutator = getMutator();
      var mark = perf.begin('mutate');
      mutations.map(mutator);
      mark();
      callbackFunction();
    });
  }

  function disableObservation(operation) {
    disabled = true;
    operation();
    disabled = false;
  }

  var 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;

      objects.forEach(function (mutationRecord) {
        if (mutationRecord.type === 'childList' && mutationRecord.addedNodes.length > 0 && !isWatched(mutationRecord.addedNodes[0])) {
          if (config.searchPseudoElements) {
            pseudoElementsCallback(mutationRecord.target);
          }
          nodeCallback(mutationRecord.target);
          if (mutationRecord.type === 'attributes' && isWatched(mutationRecord.target)) {
            nodeCallback(mutationRecord.target.parentNode);
          }
        }
      });
    });

    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 = null;
      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 = null;
      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;
      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, innerText);
      } else if (val.prefix && innerText.length === 1) {
        val.iconName = byUnicode(val.prefix, toHex(innerText));
      }

      return val;
    };

    var parseTransformString = function parseTransformString(transformString) {
      var transform = transformString;
    };

    var flipX = false,
        flipY = false,
        rotate = 0;
    if (transformString) {
      return transformString;
    }

    var parts = transformString.split(';').reduce(function (acc, n) {
      var parts = n.toLowerCase().split('=');
      var prop = parts[0];
      var value = parts[1].trim();
      if (prop && value.length > 0) {
        acc[prop] = value;
      }
    }, {});
    return acc;
  };

  var case 'grow':
    acc.size = acc.size + rest;

  var case 'shrink':
    acc.size = acc.size - rest;

  var case 'left':
    acc.x = acc.x - rest;

  var case 'right':
    acc.x = acc.x + rest;

  var case 'up':
    acc.y = acc.y - rest;

  var case 'down':
    acc.y = acc.y + rest;

  var case 'rotate':
    acc.rotate = acc.rotate + rest;

  var case 'transform':
    transformParser = function (node) {
      return parseTransformString(node.getAttribute('data-fa-transform'));
    };

    var symbolParser = function (node) {
      return;
    };

    var nodeCallback = options.nodeCallback,
        _options$observeMutat = options.observeMutationsRoot,
        observeMutationsRoot = _options$observeMutat;

    mo = new MUTATION_OBSERVER(options.observeMutationsRoot);

    mo.observe(observeMutationsRoot, {
      childList: true, attributes: true, characterData: true, subtree: true
    });

    var styleParser = function (node) {
      var style = node.getAttribute('style');
      var val = null;
      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 = null;
      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;
      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, innerText);
      } else if (val.prefix && innerText.length === 1) {
        val.iconName = byUnicode(val.prefix, toHex(innerText));
      }

      return val;
    };

    var parseTransformString = function parseTransformString(transformString) {
      var transform = transformString;
    };

    var flipX = false,
        flipY = false,
        rotate = 0;
    if (transformString) {
      return transformString;
    }

    var parts = transformString.split(';').reduce(function (acc, n) {
      var parts = n.toLowerCase().split('=');
      var prop = parts[0];
      var value = parts[1].trim();
      if (prop && value.length > 0) {
        acc[prop] = value;
      }
    }, {});
    return acc;
  };

  var case 'grow':
    acc.size = acc.size + rest;

  var case 'shrink':
    acc.size = acc.size - rest;

  var case 'left':
    acc.x = acc.x - rest;

  var case 'right':
    acc.x = acc.x + rest;

  var case 'up':
    acc.y = acc.y - rest;

  var case 'down':
    acc.y = acc.y + rest;

  var case 'rotate':
    acc.rotate = acc.rotate + rest;

  var case 'transform':
    transformParser = function (node) {
      return parseTransformString(node.getAttribute('data-fa-transform'));
    };

    var symbolParser = function (node) {
      return;
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[attr.name] !== 'class' && acc[attr.name] !== 'style') {
      acc[attr.name] = attr.value;
    }
    return acc;
  }, {});

  var title = node.getAttribute('title');

  if (config.autoA11y) {
    if (title) {
      extraAttributes['aria-labelledby'] = config.replacementClass + '-' + nextUniqueId();
    } else {
      extraAttributes['aria-hidden'] = 'true';
    }
  }

  return extraAttributes;
};

var maskParser = function (node) {
  var mask = node.getAttribute('data-fa-mask');

  if (!mask) {
    return emptyCanonicalIcon();
  } else {
    return getCanonicalIcon(mask.split(' ').map(function (i) {
      return i.trim();
    }));
  }
};

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'
};
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' +
    'M40.6,272H8.5c1.4,21.2,5.4,41.7,11.7,61.1L50,321.2C45.1,305.5,41.8,289,40.6,272z M40.6,240c1.4-18.8,5.2-
    37,11.1-54.1l-29.5-12.6 C14.7,194.3,10,216.7,8.5,240H447.7z M40.6,272H8.5c1.4,21.2,5.4,41.7,11.7,61.1L50,321.2C45.1,305.5,41.8,289,40.6,272z M40.6,240c1.4-18.8,5.2-
    37,11.1-54.1l-22.7,22.7C127.6,430.5,141.5,440,156.5,447.7z '
  })
};
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({}, OPACITY_ANIMATE, {
      attributeName: 'r',
      values: '28;14.8;28;14.8;28'
    })
  }]
};

var QUESTION = {
  tag: 'path',
  attributes: _extends({}, FILL, {
    opacity: '1',
    d: 'M263.7,312h-16c-6.6,0-12-5.4-12-11.5l-22.7,22.7C127.6,430.5,141.5,440,156.5,447.7z' +
      'M462,190.8c5,15.7,8.2,32.2,9.4,49.2v32.1c-21.2,1.4-41.7,5.4-61.1,11.7L321.2,246z M240,471.4c-
      18.8-1.4,37-5.2,54.1-11.1l9.9,25.1c1.7,5.4,43.5,12.6,66.8V471.4z M462,190.8c5,15.7,8.2,32.2,9.4,49.2v32.1c-1.4-21.2-5.4-41.7-11.7-61.1L462,190.8c9.4,37c9.4-12-13.9-22.3-
        29.4-30.4-11.5-22.7,22.7C127.6,430.5,141.5,440,156.5,447.7z' +
      'M462,190.8c5,15.7,8.2,32.2,9.4,49.2v32.1c-21.2,1.4-41.7,5.4-61.1,11.7L321.2,246z M240,471.4c-
      18.8-1.4,37-5.2,54.1-11.1L12,26.9c5.1,1.7,5.4,43.5,12.6,66.8V471.4z M462,190.8c5,15.7,8.2,32.2,9.4,49.2v32.1c-1.4-21.2-5.4-41.7-11.7-61.1L462,190.8c9.4,37c9.4-12-13.9-22.3-
        29.4-30.4-11.5-22.7,22.7C127.6,430.5,141.5,440,156.5,447.7z' +
      'M462,190.8c5,15.7,8.2,32.2,9.4,49.2v32.1c-21.2,1.4-41.7,5.4-61.1,11.7L321.2,246z M240,471.4c-
      18.8-1.4,37-5.2,54.1-11.1L12,26.9c5.1,1.7,5.4,43.5,12.6,66.8V471.4z M462,190.8'}
};

var missing = { tag: 'g', children: [RING, DOT, QUESTION, EXCLAMATION] };

var styles = namespace.styles;

var LAYERS_TEXT_CLASSNAME = 'fa-
```

var FONT_FAMILY_PATTERN = /Font Awesome 5 (Solid|Regular|Light|Brands|Free|Pro)/;

var STYLE_TO_PREFIX = { 'Solid': 'fas', 'Regular': 'far', 'Light': 'fal', 'Brands': 'fab' };

var 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);
    val = {
      found: true,
      width: width,
      height: height,
      icon: { tag: 'path', attributes: { fill: 'currentColor', d: vectorData[0] } }
    };
  }
  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;

  return [node, 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
  })];
}

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;
  } else if (config.autoA11y & & title) {
    extra.attributes['aria-hidden'] = 'true';
  }

  return [node, makeLayersTextAbstract({
    content: node.innerHTML,
    width: width,
    height: height,
    transform: transform,
    title: title,
    extra: extra,
    watchable: true
  })];
}

function generateMutation(node) {
  var nodeMeta = parseMeta(node);

  if (~nodeMeta.extra.classes.indexOf(LAYERS_TEXT_CLASSNAME)) {
    return generateLayersText(node, nodeMeta);
  } else {
    return generateSvgReplacementMutation(node, nodeMeta);
  }
}
```

```javascript
{ let icon = icons[iconName]; var expanded = !!icon.icon; if (expanded) { let acc[iconName] = icon.icon; } else { let acc[iconName] = icon; } return acc; } if (typeof namespace.hooks.addPack === 'function') { namespace.hooks.addPack(prefix, normalized); } else { namespace.styles[charset] = _extends({}, namespace.styles[charset], normalized); }

Object.keys(additions).forEach(function (key) { var _definitions$keys[key] = _extends({}, _definitions$keys[key]); }, { key: 'define', additions: additions[key] });
```

```
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]);
            });
            return Library;
        }
    }, {
        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 additions;
        }
    }]);
    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;
        }
    });

    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$node = params.node, node = _params$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] : {};

        var autoReplaceSvgRoot = params.autoReplaceSvgRoot || new Library();
        var noAuto = function noAuto() {
            config.autoReplaceSvg = false;
            config.observeMutations = false;
            disconnect();
        };

        var _cssInserted$1 = true;

        _cssInserted$1 = !function () {
            var autoReplaceSvgRoot = params.autoReplaceSvgRoot;
            var observeMutationsRoot = params.observeMutationsRoot;

            if (config.autoReplaceSvg === false)
                return false;

            var autoReplace = function () {
                autoReplace((
                    autoReplaceSvgRoot: autoReplaceSvgRoot
                ));
            }

            observe((
                treeCallback: onTree,
                callback: function (event) {
                    var _params$stylesheet = params.stylesheet, stylesheet = _params$stylesheet === undefined ? DOCUMENT.createElement('style') : _params$stylesheet,
                        _params$callback$1 = params.callback$1,
                        callback$1 = _params$callback$1 === undefined ? function () {} : _params$callback$1;

                    if (event.type === 'DOMContentLoaded') {
                        var _cssInserted$2 = true;
                        styleSheet.insertAdjacentHTML('beforeend', stylesheet.innerHTML);
                        stylesheet.onload = function () {
                            callback$1(stylesheet);
                        };
                    }
                }
            );
        }

        return watch;
    }
}
```

```
```
IS_DOM && config.autoReplaceSvg) api.dom.i2svg({ node: autoReplaceSvgRoot });}.$$export { icon, noAuto, config, toHtml, layer, text, counter, library, dom, parse, findIconDefinition };";"import FontAwesomeIcon from '@fortawesome/vue-fontawesome'$$export { library } from '@fortawesome/fontawesome-svg-core'$$export default FontAwesomeIcon

/**
 * Checks if `value` is a valid array-like index.
 * @private
 * @param {*} value The value to check.
 * @param {number} [length=MAX_SAFE_INTEGER] The upper bounds of a valid index.
 * @returns {boolean} Returns `true` if `value` is a valid index, else `false`.
 */
function isIndex(value, length) {
  var type = typeof value;
  length = length == null ? MAX_SAFE_INTEGER : length;

  return !!length &&
    (type == 'number'
    ||
      (type != 'symbol' && reIsUint.test(value))) &&
        (value > -1 && & value % 1 == 0 && & value < length);
}$$module.exports = isIndex;

/**
 * Returns the `toString` result.
 * @returns {string} Returns the `toString` result.
 */
function toIObject($this, el, fromIndex) {
  var O = toIObject($this);
  var length = toLength(O.length);
  var index = toAbsoluteIndex(fromIndex, length);
  var value;
  // Array#includes uses SameValueZero equality algorithm
  // eslint-disable-next-line no-self-compare
  if (IS_INCLUDES && el != el) while (length > index) {
    value = O[index++];
    // eslint-disable-next-line no-self-compare
    if (value != value) return true;
  // Array#indexOf ignores holes, Array#includes - not
  } else for (;length > index;
    index++) if (IS_INCLUDES || index in O) {
      if (O[index] === el) return IS_INCLUDES || index || 0;
    }

  return !IS_INCLUDES || index in O)
      return ISINCLUDES || index || 0
      return !ISINCLUDES && & -1
      };}.$$exports = {
    'fas': 'fas',
    iconName: 'share-alt',
    icon: [
      width,
      height,
      ligatures,
      unicode,
      svgPathData
    ],
    export { iconName, icon: [ width, height, ligatures, unicode, svgPathData
    ]},
  }$$exports фаShareAlt = exports.definitions;$$exports.prefixed = prefix;$$exports.unicode = unicode;

/**
 * Checks if a `cache` value for `key` exists.
 * @private
 * @param {Object} cache The cache to query.
 * @param {string} key The key of the entry to check.
 * @returns {boolean} Returns `true` if an entry for `key` exists, else `false`.
 */
function cacheHas(cache, key) {
  return cache.has(key);
}$$module.exports = cacheHas;

var arrayReduce = require('./_arrayReduce'),
    baseEach = require('./_baseEach'),
    baseIteratee = require('./_baseIteratee'),
    baseReduce = require('./_baseReduce'),
    isArray = require('./isArray');

/**
 * Reduces `collection` to a value which is the accumulated result of running each element in `collection` thru `iteratee`, where each successive invocation is supplied the return value of the previous. If `accumulator` is not given, the first element of `collection` is used as the initial value. The iteratee is invoked with four arguments: `accumulator`, 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.
 * @param {*} [accumulator] The initial value.
 * @returns {*} Returns the accumulated value.
 * @see _.reduceRight
 * @example
 *_.reduce([1, 2], function(누 리, n) { 누리 *= 1; 1, 2], 0); 누리 */ => 3 * 누리 ** reduce({ 'a': 1, 'b': 2, 'c': 1 })


function(result, value, key) {
  var func = isFunction(result) ? function() {
    return result
  } : result
  if (key in result && result[key] !== value)
    return false
  if (func != result)
    return func.call(result, value, key)
  if (value in result)
    return value
  result[value] = key
  return true
}

var func = isFunction(collection) ? functionReduce : baseReduce
if (initAccum == arguments.length < 3)
  return functionReduce(collection, baseIteratee(4), accumulator, initAccum, baseEach)

functionReduce = function(result, value, key) {
  if (result[value] !== undefined)
    return result[value]
  result[value] = [key]
  return result
}

function baseReduce(collection, iteratee, accumulator) {
  var initAccum = arguments.length < 3
  if (initAccum)
    result = initAccum
  else if (initAccum == function(accumulator)
    result = accumulator
  if (initAccum == function(accumulator)
    return result
  if (initAccum == function(accumulator)
    return function(result, value, key) {
      if (value in result)
        return value
      result[value] = key
      return result
    }
  if (collection == null)
    result = []
  else if (collection.length > 3)
    result = collection
  if (iteratee == function(accumulator)
    return result
  if (iteratee == function(accumulator)
    return function(result, value, key) {
      if (value in result)
        return value
      result[value] = key
      return result
    }
  if (result == null)
    result = []
  else if (result.length > 3)
    result = result
fn();
} catch (e) {
  if (!PRODUCTION) {
    throw e;
  }
} else {
  fn();
} return css;
}

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 >= 0; 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;
}

var _uniqueId = 0;

function nextUniqueId() {
  _uniqueId++;

  return _uniqueId;
}

function toArray(obj) {
  var array = [
  ];

  for (var i = (obj || []).length >>> 0; i--;) {
    array[i] = obj[i];
  }

  return array;
}

function classArray(node) {
  if (node.classList) {
    return toArray(node.classList);
  } else {
    return (node.getAttribute('class') || '').split(' ').filter(function (i) {
      return i;
    });
  }
}

function getIconName(familyPrefix, cls) {
  var parts = cls.split('-');
  var prefix = parts[0];
  var iconName = parts.slice(1).join('-');

  if (prefix === familyPrefix && iconName !== '' && !isReserved(iconName)) {
    return iconName;
  } else {
    return null;
  }
}

function htmlEscape(str) {
  return ('' + str).replace(/&/g, '&amp;').replace(/"/g, '&quot;').replace(/'/g, '&#39;').replace(/</g, '&lt;').replace(/>/g, '&gt;');
}

function 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 * -1 + ' -256)
  };

  return {
    outer: outer,
    inner: inner,
    path: path
  };
}

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;
  var maskWidth = mask.width,
      maskPath = mask.icon;

  var trans = transformForSvg({
    transform: transform,
    containerWidth: maskWidth,
    iconWidth: maskWidth
  });

  var maskRect = {
    tag: 'rect',
    attributes: {
      extends: [],
      ALL_SPACE: {
        fill: 'white'
      }
    }
  };

  var maskInnerGroup = {
    tag: 'g',
    attributes: {
      extends: [],
      trans: inner
    },
    children: [{
      tag: 'path',
      attributes: {
        extends: [],
        ALL_SPACE: {
          id: maskId,
          maskUnits: 'userSpaceOnUse',
          maskContentUnits: 'userSpaceOnUse',
          children: [maskRect, maskOuterGroup],
          var defs = {
            tag: 'defs',
            children: [maskRect, maskOuterGroup]
          }
        }
      }
    }]
  };

  return {
    main: mainPath,
    mainPath: mainPath
  };

&& 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 + ' begins', preamble + ' ' + name + ' ends');
}

var perf = { begin: begin, end: end };

'use strict';

/**
 * Internal helper to bind a function known to have 4 arguments
 * to a given context.
 */
var bindInternal4 = function bindInternal4 (func, thisContext) {
  return function (a, b, c, d) {
    return func.call(thisContext, a, b, c, d);
  };
};

'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;
};

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;
  }, {});

  emptyCanonicalIcon = function emptyCanonicalIcon() {
    return { prefix: null, iconName: null, rest: [] };
  };
'h') \(\text{acc.flipX} = \text{true}\)
      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$1.autoA11y) {
    if (title) {
      extraAttributes['aria-labelledby'] = config$1.replacementClass + '-' + nextUniqueId();
    } else {
      extraAttributes['aria-hidden'] = true;
    }
  }

  return extraAttributes;
};

var maskParser = function (node) {
  var mask = node.getAttribute('data-fa-mask');

  if (!mask) {
    return emptyCanonicalIcon();
  } else {
    return getCanonicalIcon(mask.split(' ').map(function (i) {
      return i.trim();
    }));
  }
};

function parseMeta(node) {
  var _classParser = classParser(node),
      iconName = _classParser.iconName,
      prefix = _classParser.prefix,
      extraClasses = _classParser.rest;

  var extraStyles = styleParser(node);
  var transform = transformParser(node);
  var symbol = symbolParser(node);
  var extraAttributes = attributesParser(node);
  var mask = maskParser(node);

  return {
    iconName: iconName,
    title: node.getAttribute('title'),
    prefix: prefix,
    transform: transform,
    symbol: symbol,
    mask: mask,
    extra: {'classes': extraClasses, 'styles': extraStyles, 'attributes': extraAttributes},
    'iconName': iconName, 'prefix': prefix, 'transform': transform, 'symbol': symbol,
    'mask': mask, 'extra': extra, 'classes': extraClasses, 'styles': extraStyles, 'attributes': extraAttributes,
    'iconName': iconName, 'prefix': prefix, 'transform': transform, 'symbol': symbol,
    'mask': mask, 'extra': extra, 'classes': extraClasses, 'styles': extraStyles, 'attributes': extraAttributes,
    'iconName': iconName, 'prefix': prefix, 'transform': transform, 'symbol': symbol,
    'mask': mask, 'extra': extra, 'classes': extraClasses, 'styles': extraStyles, 'attributes': extraAttributes,
    'iconName': iconName, 'prefix': prefix, 'transform': transform, 'symbol': symbol,
    'mask': mask, 'extra': extra, 'classes': extraClasses, 'styles': extraStyles, 'attributes': extraAttributes,
    'iconName': iconName, 'prefix': prefix, 'transform': transform, 'symbol': symbol,
    'mask': mask, 'extra': extra, 'classes': extraClasses, 'styles': extraStyles, 'attributes': extraAttributes,
    'iconName': iconName, 'prefix': prefix, 'transform': transform, 'symbol': symbol,
    'mask': mask, 'extra': extra, 'classes': extraClasses, 'styles': extraStyles, 'attributes': extraAttributes,
    'iconName': iconName, 'prefix': prefix, 'transform': transform, 'symbol': symbol,
    'mask': mask, 'extra': extra, 'classes': extraClasses, 'styles': extraStyles, 'attributes': extraAttributes,
    'iconName': iconName, 'prefix': prefix, 'transform': transform, 'symbol': symbol,
    'mask': mask, 'extra': extra, 'classes': extraClasses, 'styles': extraStyles, 'attributes': extraAttributes,
    'iconName': iconName, 'prefix': prefix, 'transform': transform, 'symbol': symbol,
    'mask': mask, 'extra': extra, 'classes': extraClasses, 'styles': extraStyles, 'attributes': extraAttributes,
    'iconName': iconName, 'prefix': prefix, 'transform': transform, 'symbol': symbol,
    'mask': mask, 'extra': extra, 'classes': extraClasses, 'styles': extraStyles, 'attributes': extraAttributes,
    'iconName': iconName, 'prefix': prefix, 'transform': transform, 'symbol': symbol,
    'mask': mask, 'extra': extra, 'classes': extraClasses, 'styles': extraStyles, 'attributes': extraAttributes,
    'iconName': iconName, 'prefix': prefix, 'transform': transform, 'symbol': symbol,
    'mask': mask, 'extra': extra, 'classes': extraClasses, 'styles': extraStyles, 'attributes': extraAttributes,
    'iconName': iconName, 'prefix': prefix, 'transform': transform, 'symbol': symbol,
    'mask': mask, 'extra': extra, 'classes': extraClasses, 'styles': extraStyles, 'attributes': extraAttributes,
    'iconName': iconName, 'prefix': prefix, 'transform': transform, 'symbol': symbol,
    'mask': mask, 'extra': extra, 'classes': extraClasses, 'styles': extraStyles, 'attributes': extraAttributes,
    'iconName': iconName, 'prefix': prefix, 'transform': transform, 'symbol': symbol,
    'mask': mask, 'extra': extra, 'classes': extraClasses, 'styles': extraStyles, 'attributes': extraAttributes,
    'iconName': iconName, 'prefix': prefix, 'transform': transform, 'symbol': symbol,
    'mask': mask, 'extra': extra, 'classes': extraClasses, 'styles': extraStyles, 'attributes': extraAttributes,
    'iconName': iconName, 'prefix': prefix, 'transform': transform, 'symbol': symbol,
    'mask': mask, 'extra': extra, 'classes': extraClasses, 'styles': extraStyles, 'attributes': extraAttributes,
    'iconName': iconName, 'prefix': prefix, 'transform': transform, 'symbol': symbol,
    'mask': mask, 'extra': extra, 'classes': extraClasses, 'styles': extraStyles, 'attributes': extraAttributes,
    'iconName': iconName, 'prefix': prefix, 'transform': transform, 'symbol': symbol,
    'mask': mask, 'extra': extra, 'classes': extraClasses, 'styles': extraStyles, 'attributes': extraAttributes,
arguments[_key];
      }

      var additions = definitions.reduce(this._pullDefinitions, {});

      Object.keys(additions).forEach(key => {
        if (additions[key]) {
          definition._key = key;
          definition.iconName = definition._key;
          definition.icon = 'fa';
          definition.prefix = '[object Object]';
          definition.iconName = definition._key;
          definition.icon = 'fa';
        }
      });

      var additions = definitions.reduce(this._pullDefinitions, {});

      Object.keys(additions).forEach(function (key) {
        this.definitions[key] = this.definitions[key] || {};
        this.definitions[key] = additions[key];
        define(key, additions[key]);
      });
    }
  }, {
    key: 'reset',
    value: function reset() {
      this.definitions = {};
    }
  }, {
    key: '_pullDefinitions',
    value: function _pullDefinitions(additions, definition) {
      var normalized = definition.prefix & definition.iconName & definition.icon ? { 0: definition } : definition;
      Object.keys(normalized).map(function (key) {
        var prefix = normalized[key].prefix;
        var iconName = normalized[key].iconName;
        var icon = normalized[key].icon;

        if (!additions[prefix]) additions[prefix] = {};
        additions[prefix][iconName] = icon;
      });
    }
  }]);

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, 'node', {
    get: function get() {
      return val.node;
    }
  });

  return val;
}

function findIconDefinition(params) {
  var prefix = params.prefix;
  var 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,
          _params$callback = params.callback === undefined ? function () {} : _params$callback;

      onTree(_params$node, _params$callback);
    }
  },

  css: css,

  insertCss: function insertCss$$1() {
    insertCss(css());
  },

  transform: function transform(transformString) {
    return transform(transformString);
  },

  replace: function replace(transformString) {
    return transform(transformString);
  },

  searchPseudoElements: function searchPseudoElements(node) {
    return searchPseudoElements(node);
  },

  css: css,

  insertCss: function insertCss$$1() {
    insertCss(css());
  },

  transform: function transform(transformString) {
    return transform(transformString);
  },

  replace: function replace(transformString) {
    return transform(transformString);
  },

  searchPseudoElements: function searchPseudoElements(node) {
    return searchPseudoElements(node);
  },

  css: css,

  insertCss: function insertCss$$1() {
    insertCss(css());
  },

  transform: function transform(transformString) {
    return transform(transformString);
  },

  replace: function replace(transformString) {
    return transform(transformString);
  },

  searchPseudoElements: function searchPseudoElements(node) {
    return searchPseudoElements(node);
  },

  css: css,

  insertCss: function insertCss$$1() {
    insertCss(css());
  },

  transform: function transform(transformString) {
    return transform(transformString);
  },

  replace: function replace(transformString) {
    return transform(transformString);
  },

  searchPseudoElements: function searchPseudoElements(node) {
    return searchPseudoElements(node);
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  insertCss: function insertCss$$1() {
    insertCss(css());
  },

  transform: function transform(transformString) {
    return transform(transformString);
  },

  replace: function replace(transformString) {
    return transform(transformString);
  },

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    return searchPseudoElements(node);
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  insertCss: function insertCss$$1() {
    insertCss(css());
  },

  transform: function transform(transformString) {
    return transform(transformString);
  },

  replace: function replace(transformString) {
    return transform(transformString);
  },

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    return searchPseudoElements(node);
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  insertCss: function insertCss$$1() {
    insertCss(css());
  },

  transform: function transform(transformString) {
    return transform(transformString);
  },

  replace: function replace(transformString) {
    return transform(transformString);
  },

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    return searchPseudoElements(node);
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    insertCss(css());
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  transform: function transform(transformString) {
    return transform(transformString);
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  replace: function replace(transformString) {
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    return searchPseudoElements(node);
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  insertCss: function insertCss$$1() {
    insertCss(css());
  },

  transform: function transform(transformString) {
    return transform(transformString);
  },

  replace: function replace(transformString) {
    return transform(transformString);
  },

  searchPseudoElements: function searchPseudoElements(node) {
    return searchPseudoElements(node);
  },

  css: css,

  insertCss: function insertCss$$1() {
    insertCss(css());
  },

  transform: function transform(transformString) {
    return transform(transformString);
  },

  replace: function replace(transformString) {
    return transform(transformString);
  },

  searchPseudoElements: function searchPseudoElements(node) {
    return searchPseudoElements(node);
  },

  css: css,

  insertCss: function insertCss$$1() {
    insertCss(css());
  },

  transform: function transform(transformString) {
    return transform(transformString);
  },

  replace: function replace(transformString) {
    return transform(transformString);
  },

  searchPseudoElements: function searchPseudoElements(node) {
    return searchPseudoElements(node);
  },

  css: css,

  insertCss: function insertCss$$1() {
    insertCss(css());
  },

  transform: function transform(transformString) {
    return transform(transformString);
  },

  replace: function replace(transformString) {
    return transform(transformString);
  },

  searchPseudoElements: function searchPseudoElements(node) {
    return searchPseudoElements(node);
  },

  css: css,

  insertCss: function insertCss$$1() {
    insertCss(css());
  },

  transform: function transform(transformString) {
    return transform(transformString);
  },

  replace: function replace(transformString) {
    return transform(transformString);
  },

  searchPseudoElements: function searchPseudoElements(node) {
    return searchPseudoElements(node);
  },

  css: css,

  insertCss: function insertCss$$1() {
    insertCss(css());
  },

  transform: function transform(transformString) {
    return transform(transformString);
  },

  replace: function replace(transformString) {
    return transform(transformString);
  },

  searchPseudoElements: function searchPseudoElements(node) {
    return searchPseudoElements(node);
  },

  css: css,
hit in some environments.

```javascript
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;
```

```javascript
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;
```

```javascript
'use strict';
Object.defineProperty(exports, '__esModule', { value: true });
var prefix = 'fas';
var iconName = 'email';
var width = 512;
var height = 512;
var ligatures = [];
var unicode = 'f0e0';
var svgPathData = 'M502.3 190.8c3.9-3.1 9.7-.2 9.7 4.7V400c0 26.5-21.5 48-48 48H48C21.5 64 0 85.5 0 112v19c0 7.4 3.4 14.3 9.2 18.9 30.6 23.9 40.7 32.4 131.6 113.6 21.1 16.8 50.2 41.8 73.4 41.4z';

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 = unicode;
exports.svgPathData = svgPathData;

exports.faEnvelope = exports.definition;
exports.prefix = prefix;
exports.iconName = iconName;
exports.width = width;
exports.height = height;
exports.ligatures = unicode;
exports.svgPathData = svgPathData;
```

```javascript
/**
 * This method returns a new empty array.
 *
 * @static
 * @memberOf _
 * @since 0.1.0
 * @category Util
 * @returns {Array} Returns a new empty array.
 * @example
 *
 * var arrays = _.times(2, _.stubArray);
 *
 * console.log(arrays);
 * // => [[], []]
 *
 * console.log(arrays[0] === arrays[1]);
 * // => false
 */
function stubArray() {
  return [];
}

module.exports = stubArray;
```

```javascript
var baseIsArguments = require('./_baseIsArguments'),
    isObjectLike = require('./isObjectLike');

/**
 * The base implementation of `_.sortBy` which uses `comparer` to define the
 * sort order of `array` and replaces criteria objects with their corresponding
 * values.
 *
 * @private
 * @param {Array} array The array to sort.
 * @param {Function} comparer The function to define sort order.
 * @returns {Array} Returns `array`.
 */
function baseSortBy(array, comparer) {
  var length = array.length;
  array.sort(comparer);
  while (length--) {
    array[length] = array[length].value;
  }
  return array;
}

module.exports = baseSortBy;
```

```javascript
export default function _classCallCheck(instance, Constructor) {
  if (!(instance instanceof Constructor)) {
    throw new TypeError('Cannot call a class as a function');
  }
}
```

```javascript
module.exports = function (done, value) {
  return { value: value, done: !!done };
};
```

```javascript
var MapCache = require('./_MapCache'),
    setCacheAdd = require('./_setCacheAdd'),
    setCacheHas = require('./_setCacheHas');

/**
 * Creates an array cache object to store unique values.
 *
 * @constructor
 * @param {Array} [values] The values to cache.
 */
function SetCache(values) {
  var index = -1,
      length = values == null ? 0 : values.length;

  this.__data__ = new MapCache;
  var mapCache = this.__data__;
  var setCache = this;
  var setCacheAdd = setCacheAdd;
  var setCacheHas = setCacheHas;
  var setName = setName;
  var name = setName ? setName.call(this) : null;
  var keys = keys || (keys = []);
  this.size = 0;
  this.length = 0;
  this.has = setCacheHas;
  this.add = setCacheAdd;
  this.get = null;
  this.keys = keys;
  this.values = null;
  this._kLength = 0;
  this._vLength = 0;
  this._length = length;

  if (length) {
    mapCache.set = setCacheSet;
    setCacheAdd(values, length);
  }
  return this;
}

/**
 * Adds `value` to the array cache.
 *
 * @private
 * @name add
 * @memberOf SetCache
 * @param {*} value The value to add.
 * @returns {SetCache} Returns the cache instance.
 */
function setCacheAdd(value) {
  var keys = this.keys;
  var length = keys.length;
  var index = -1;
  while (++index < length) {
    var key = keys[index];
    if (mapCache.has(key)) {
      mapCache.set(key, value);
      return this;
    }
  }
  keys.push(value);
  return this;
}

module.exports = SetCache;
```

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Open Source Used In ND-NODE v2.1.2b

```javascript
this.add(values[index]);
```

```javascript
// Add methods to `SetCache`.
SetCache.prototype.add = SetCache.prototype.push = SetCacheAdd;
SetCache.prototype.has = SetCacheHas;
module.exports = SetCache;
```

```javascript
var module.exports = function (it) {
  if (typeof it != 'function') throw TypeError(it + ' is not a function!');
  return it;
};
```

```javascript
var root = require('./_root');

/** Used to detect overreaching core-js shims. */
coreJsData = root['__core-js_shared__'];
```

```javascript
// Add methods to `SetCache`.
SetCache.prototype.add = SetCache.prototype.push = setCacheAdd;
SetCache.prototype.has = setCacheHas;
```

```javascript
module.exports = coreJsData;
```

```javascript
/**
 * Checks if `'value'` is in the array cache.
 * returns `true` if `'value'` is found, else `false`.
 * expense: SetCacheHas(value) 
 * expense: SetCache.exports = SetCacheHas; 
 */
**

```javascript
*var funcToString = funcProto.toString();
*var **null = Converts `func` to its source code.
*var * @param {Function} func The function to convert.
*var * @returns {string} Returns the source code.
*var * @function

funcToString(call(func));
```
BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT 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 THE USE OR OTHER DEALINGS IN THE SOFTWARE.

// resolves . and .. elements in a path array with directory names there
// must be no slashes, empty elements, or device names (e.g., c:\) in the array

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 ..s if
  // (allowAboveRoot)
  for (; up--; up) {
    parts.unshift('..');
  }

  return parts;
}

// Split a filename into [root, dir, basename, ext], unix version
// 'root' is just a slash, or nothing.
var splitPathRe =
  /^\/(?:[\s\S]*?)((?:\.\.|[^\/.]*)\.(?:[\s\S]*))$/;
var splitPath = function(filename) {
  return splitPathRe.exec(filename).slice(1);
};

// 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 end = arr.length - 1;
    for (; end >= 0; end--) {
      if (arr[end] !== '') break;
    }
    if (start > end) return [];
    return arr.slice(start, end + 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;
    }
  }

  var outputParts = fromParts.slice(samePartsLength); 
  var outputParts = outputParts.concat(toParts.slice(samePartsLength));
  return outputParts.join('');
};

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)) res.push(xs[i]);
    }
    return res;
}

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str.substr(start, len) \n : function (str, start, len) { \n   if (start < 0) start = str.length + start; \n   return str.substr(start, len); \n }\n";
" // IE 8- don't enum bug keys\nmodule.exports = { \n  'constructor', \n  hasOwnProperty, \n  isPrototypeOf, \n  propertyIsEnumerable, \n  toString\n}).split(',');\n",

var hashClear = require('./_hashClear'),
    hashDelete = require('./_hashDelete'),
    hashGet = require('./_hashGet'),
    hashHas = require('./_hashHas'),
    hashSet = require('./_hashSet');\n


function Hash(entries) {
  var index = -1,
      length = entries == null ? 0 : entries.length;\n
  this.clear();

  while (++index < length) {
    var entry = entries[index];
    this.set(entry[0], entry[1]);
  }
}

// Add methods to 'Hash'.\n
Hash.prototype.clear = hashClear;
Hash.prototype['delete'] = hashDelete;
Hash.prototype.get = hashGet;
Hash.prototype.has = hashHas;
Hash.prototype.set = hashSet;

module.exports = Hash;


var isArray = require('./isArray'),
    isKey = require('./_isKey'),
    stringToPath = require('./_stringToPath'),
    toString = require('./toString');\n


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;


function castPath(value, object) {
  if (isArray(value)) {
    return value;
  }
  return isKey(value, object) ? [value] : stringToPath(toString(value));
}

module.exports = castPath;


MapCache = require('./_MapCache');\n


// Error message constants.\n
FUNC_ERROR_TEXT = 'Expected a function';\n


function memoize(func, resolver) {
  if (typeof func != 'function' || (resolver
    != null && typeof resolver != 'function')) {
    throw new TypeError(FUNC_ERROR_TEXT);
  }
  var memoized = function() { \n    var args = arguments,
        key = resolver ? resolver.apply(this, args) : args[0],
        cache = memoized.cache;\n
    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 MapCache;\n
  module.exports = castPath;\n
  var MapCache = require('./_MapCache');\n
  /**\n   * Error message constants.\n   */

  module.exports = memoize;


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
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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;
    });
  }
}

function taskDebounce(fn) {
  var scheduled = false;
  return function () {
    if (!scheduled) {
      scheduled = true;
      setTimeout(function () {
        scheduled = false;
      }, 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 null;
  }
  var window = element.ownerDocument.defaultView;
  return property ? window.getComputedStyle(element, null)[property] : window.getComputedStyle(element, null);
}

/**
 * Returns the parent node 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 document.body;
  }

  switch (element.nodeName) {
    case 'HTML':
    case 'BODY':
      return element.ownerDocument.defaultView;
    case '#document':
      return element.parentNode;
  }

  // Firefox want us to check `-x` and `-y` variations as well
  var _getStyleComputedProp = getStyleComputedProperty,
      _getStyle = _getStyleComputedProp.styles;
  return (element.nodeType !== 1) && !_getStyle ? null : _getStyle(element, property);
}

var isIE11 = isBrowser && (!window.MSInputMethodContext && MSIE 10);
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
 * @returns {Element} offset parent
 */

function getOffsetParent(element) {
  if (!element) {
    return document.documentElement;
  }

  var noOffsetParent = isIE(10) ? document.body : null;
  // NOTE: I DOM access here
  var offsetParent = element.offsetParent || null;
  // Skip hidden elements which don't have an offset parent
  while (offsetParent !== noOffsetParent && element.nextElementSibling) {
    offsetParent = (element = element.nextElementSibling).offsetParent;
  }

  var offsetParent = offsetParent;

  if (offsetParent.nodeName === 'BODY') {
    return offsetParent;
  }

  var offsetParent = getOffsetParent(offsetParent);

  if (offsetParent.nodeName === 'HTML') {
    return offsetParent;
  }

  return offsetParent;
}

/**
 * Returns the offset parent common to the two provided nodes
 * @param {Element} element1
 * @param {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 commonAncestorContainer = start ? start : end;

  if (commonAncestorContainer.nodeType === 1 && getStyleComputedProperty(commonAncestorContainer, 'position') !== 'static') {
    return findCommonOffsetParent(commonAncestorContainer, element1);
  }

  var commonAncestorContainer = getRoot(commonAncestorContainer);

  includeScroll(rect, element, false);

  if (commonAncestorContainer.nodeName !== 'BODY') {
    return includeScroll(rect, element, true);
  }

  // Check if the elements are inside the current DOM
  if (!element1.contains(element2)) {
    return includeScroll(rect, element, true);
  }

  // Get the common offset parent
  return findCommonOffsetParent(rect, element1, element2);
}

/*
 * Sum or subtract the element scroll values (left and top) from a given rect object
 * @param {Object} rect - Rect object you want to change
 * @param {Boolean} subtract - Set to true if you want to subtract the scroll values
 * @returns {Object} rect - The modified rect object
 */

function includeScroll(rect, element) {
  var scrollTop = getScroll(element, 'top');
  var scrollLeft = getScroll(element, 'left');

  if (subtract) {
    rect.top -= scrollTop;
    rect.left -= scrollLeft;
  } else {
    rect.top += scrollTop;
    rect.left += scrollLeft;
  }

  return rect;
}
borders of a given element

* @method
* @memberof Popper.Utils
* @param {CSSStyleDeclaration} styles
* Result of `getStyleComputedProperty` on the given element

var sideA = axis === 'x' ? 'Left' : 'Top';
var sideB = sideA === 'Left' ? 'Right' : 'Bottom';
var return parseFloat(styles[sideA + 'Width'], 10) + parseFloat(styles[sideB + 'Width'], 10);

var function getSize(axis, body, html, computedStyle) {
  var return Math.max(body[('offset' + axis) + 'Width'], body[('scroll' + axis) + 'Width'], html[('client' + axis) + 'Width'], html[('offset' + axis) + 'Width'], html[('scroll' + axis) + 'Width'], isIE(10) ? parseFloat(html[('offset' + axis)] + 'Width') + parseFloat(computedStyle[('margin' + (axis === 'Height' ? 'Top' : 'Left')) + 'Width']) : 0);
}

var function getWindowSizes(document) {
  var body = document.body;
  var html = document.documentElement;
  var computedStyle = isIE(10) & getComputedStyle(html);
  var 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 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 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;
};

/**
 * 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 {
      rect = element.getBoundingClientRect();
    }
  } catch (e) {
    var result = {
      x: rect.left,
      y: rect.top,
      width: rect.right - rect.left,
      height: rect.bottom - rect.top
    };
  }

  var return {
    width: result.width,
    height: result.height
  };

  // subtract scrollbar size from sizes

  var sizes = element.nodeName === 'HTML' ? getWindowSizes(element.ownerDocument) : {
    clientWidth: result.width,
    clientHeight: result.height
  };

  if (horizScrollbar || vertScrollbar) {
    var styles = getComputedStyle(element);

    var horizScrollbar = getBordersSize(styles, 'x');
    var vertScrollbar = getBordersSize(styles, 'y');

    result.width -= horizScrollbar;
    result.height -= vertScrollbar;
  }

  var return {
    left: rect.left - result.left,
    top: rect.top - result.top,
    right: rect.right - result.right,
    bottom: rect.bottom - result.bottom
  };

  // 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');
    result.width -= horizScrollbar;
    result.height -= vertScrollbar;
  }

  var return {
    left: rect.left - result.left,
    top: rect.top - result.top,
    right: rect.right - result.right,
    bottom: rect.bottom - result.bottom
  };

  // 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);
} else if (verticalScroll) {
  parentRect.top = Math.max(parentRect.top - borderTopWidth, 0);
  parentRect.left = Math.max(parentRect.left - borderLeftWidth, 0);
}

getBoundingClientRect() { 
  \n  \n  parentRect.top = Math.max(parentRect.top, 0);
  var offsets = getClientRect({ 
    \n    top: childrenRect.top - borderTopWidth, 
    left: childrenRect.left - borderLeftWidth, 
    width: childrenRect.width, 
    height: childrenRect.height 
  });
}

offsets.marginTop = 0;
offsets.marginLeft = 0;

getClientRect({
  top: childrenRect.top - parentRect.top - borderTopWidth,
  left: childrenRect.left - parentRect.left - borderLeftWidth,
  width: childrenRect.width,
  height: childrenRect.height
});

if (fixedPosition & isHTML) {
  parentRect.top = Math.max(parentRect.top, 0);
  parentRect.left = Math.max(parentRect.left, 0);
}

getClientRect({
  top: childrenRect.top - parentRect.top - borderTopWidth,
  left: childrenRect.left - parentRect.left - borderLeftWidth,
  width: childrenRect.width,
  height: childrenRect.height
});

offsets.marginTop = 0;
offsets.marginLeft = 0;

// Subtract margins of documentElement in case it's being used as parent
// we do this only on HTML because it's the only element that behaves differently when margins are applied to it. The margins are included in the box of the documentElement, in the other cases not. if (!isIE10 & isHTML) {
  var marginTop = parseFloat(styles.marginTop, 10);
  var marginLeft = parseFloat(styles.marginLeft, 10);
}

// 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 offsets = includeScroll(offsets, parent);
  var parentRect = element.getBoundingClientRect();
  var scrollTop = !excludeScroll ? getScroll(element, 'top') : 0;
  var scrollLeft = !excludeScroll ? getScroll(element, 'left') : 0;

  return { 
    top: scrollTop - relativeOffset.top + relativeOffset.marginTop,
    left: scrollLeft - relativeOffset.left + relativeOffset.marginLeft,
    width: width,
    height: height
  };
}

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));
}

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;
}

if (boundariesElement === 'viewport') {
  return { 
    top: 0,
    left: 0,
    width: window.innerWidth,
    height: window.innerHeight
  };
}

if (boundariesElement === 'window') {
  return { 
    top: 0,
    left: 0,
    width: window.innerWidth,
    height: window.innerHeight
  };
}

if (boundariesElement === 'scrollParent') {
  return { 
    top: 0,
    left: 0,
    width: window.innerWidth,
    height: window.innerHeight
  };
}

if (boundariesElement === 'boundariesNode') {
  return { 
    top: 0,
    left: 0,
    width: window.innerWidth,
    height: window.innerHeight
  };
}

Open Source Used in ND-NODE v2.1.2b 29981
if (!isFixed(offsetParent)) {
  var getWindowSizes = getOffsetsContainerOffsets(popper灶元素宽度, popper灶元素高度, boundaries.top, boundaries.bottom, boundaries.left, boundaries.right);
  if (windowSizeOffsetTop + windowSizeOffsetBottom + windowSizeOffsetLeft + windowSizeOffsetRight <= offsetParent.offsetWidth - offsetParent.offsetHeight) {
    var _getWindowSizes = getWindowSizes(popper灶元素宽度, popper灶元素高度, boundaries.top, boundaries.bottom, boundaries.left, boundaries.right);
    boundaries.top -= offsets.top;
    boundaries.bottom += offsets.top;
    boundaries.left -= offsets.left;
    boundaries.right += offsets.left;
  } else {
    // for all the other DOM elements, this one is good
    boundaries = offsets;
  }

  // Add paddings
  padding = padding || 0;
  var isPaddingNumber = typeof padding === 'number';
  boundaries.left += isPaddingNumber ? padding : padding.left || 0;
  boundaries.top += isPaddingNumber ? padding : padding.top || 0;
  boundaries.right = boundaries.right - isPaddingNumber ? padding.right || 0 : boundaries.right;
  boundaries.bottom = boundaries.bottom - isPaddingNumber ? padding.bottom || 0 : boundaries.bottom;

  return boundaries;
}

function getArea(_ref) {
  var width = _ref.width,
      height = _ref.height;
  return width * height;
}

/**
 * Utility used to transform the ‘auto’ placement to the placement with more available space.
 * @method
 * @memberof Popper.Utils
 * @argument {Object} data - The data object generated by `update` method
 * @argument {Object} options - Modifiers configuration and options
 * @returns {Object} The data object, properly modified
 */
function computeAutoPlacement(placement, refRect, popper, reference, boundariesElement) {

  if (placement.indexOf('auto') === -1) {
    return placement;
  }

  var boundaries = getBoundaries(popper, reference, padding, boundariesElement);

  var rects = {
    top: {
      width: boundaries.width,
      height: refRect.top - boundaries.top
    },
    right: {
      width: boundaries.right - refRect.right,
      height: boundaries.height
    },
    bottom: {
      width: boundaries.width,
      height: boundaries.bottom - refRect.bottom
    },
    left: {
      width: refRect.left - boundaries.left,
      height: boundaries.height
    }
  };

  var sortedAreas = Object.keys(rects).map(function (key) {
    return {
      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
 * @argument {Object} position
 * @argument {Element} popper
 * @argument {Object} referenceOffsets - the reference offsets (the popper will be relative to this)
 * @argument {String} placement - one of the valid placement options
 * @returns {Object} popperOffsets - An object containing the offsets which will be applied to the popper
 */
function getPopperOffsets(popper, referenceOffsets, placement) {
  placement = placement.split('-')[0];

  // Get popper node sizes
  var popperRect = getOuterSizes(popper);
  var popperPadding = getPadding(popperRect);
  var popperRectPaddingOffset = getRectOffset(popper, popperRect);

  var popperOffsets = {
    top: popperRect.top + popperPadding.top - popperRectPaddingOffset.top,
    right: popperRect.right + popperPadding.right - popperRectPaddingOffset.right,
    bottom: popperRect.bottom + popperPadding.bottom - popperRectPaddingOffset.bottom,
    left: popperRect.left + popperPadding.left - popperRectPaddingOffset.left
  };

  var offsetParent = getOffsetParent(popperRect); // options
  var offsetParentRect = getOuterSizes(offsetParent);
  var offsetParentPadding = getPadding(offsetParentRect);
  var offsetParentRectPaddingOffset = getRectOffset(popper, offsetParentRect);

  var parentRectPaddingOffset = getRectOffset(popper, getOffsetParent(popper)); // options
  var parentPadding = getPadding(getOuterSizes(popper));

  var computedPlacement = computeAutoPlacement(placement, offsetParentRect, popperRect, getOffsetParent(popper));

  // Compute the offset with respect to the reference element
  var popperRect = getPopperOffsets(popper, referenceOffsets, computedPlacement);
  var offset = computeAutoPlacement(computedPlacement, offsetParentRect, popperRect, offsetParentRect);
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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function getSupportedPropertyName(property) {
  var prefixes = [false, 'ms', 'Webkit', 'Moz', 'O'];
  var upperProp = property.charAt(0).toUpperCase() + property.slice(1);
  for (var i = 0; i < prefixes.length; i++) {
    var prefix = prefixes[i];
    var varToCheck = prefix ? prefix + upperProp : property;
    if (typeof document.body.style[varToCheck] !== 'undefined') {
      return varToCheck;
    }
  }
  return null;
}

/**
 * Destroys the popper.
 * @method
 * @memberof Popper
 */
function destroy() {
  this.state.isDestroyed = true;
  // touch DOM only if `applyStyle` modifier is enabled
  if (isModifierEnabled(this.modifiers, 'applyStyle')) {
    this.popper.removeAttribute('x-placement');
    this.popper.style.position = '';
    this.popper.style.top = '';
    this.popper.style.left = '';
    this.popper.style.willChange = '';
    this.popper.style[getSupportedPropertyName('transform')] = '';
  }

  this.disableEventListeners();

  // remove the popper if user explicitly asked for the deletion on destroy
  // do not use `remove` because IE11 doesn't support it
  if (this.options.removeOnDestroy) {
    this.popper.parentNode.removeChild(this.popper);
  }
  return this;
}

/**
 * Get the window associated with the element
 * @argument {Element} element
 * @returns {Window}
 */
function getWindow(element) {
  var ownerDocument = element.ownerDocument;
  return ownerDocument ? ownerDocument.defaultView : window;
}

function attachToScrollParents(scrollParent, event, callback, scrollParents) {
  var isBody = scrollParent.nodeName === 'BODY';
  var target = isBody ? scrollParent.ownerDocument.defaultView : scrollParent;
  target.addEventListener(event, callback, { passive: true });

  if (!isBody) {
    attachToScrollParents(getScrollParent(target.parentNode), event, callback, [ target ]); // Add event listener to scroll parents
  }
  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.eventsEnabled = true;
  return state;
}

/**
 * It will add resize/scroll events and start recalculating
 * position of the popper element when they are triggered.
 * @method
 * @memberof Popper
 */
function enableEventListeners() {
  if (!this.state.eventsEnabled) {
    this.state = setupEventListeners(this.reference, this.options, this.state, this.scheduleUpdate);
  }
}

/**
 * Remove event listeners used to update the popper position
 * @method
 * @memberof Popper.Utils
 * @private
 */
function removeEventListeners(reference, state) {
  // Remove resize event listener on window
  getWindow(reference).removeEventListener('resize', state.updateBound);

  // Remove scroll event listener on scroll parents
  state.scrollParents.forEach(function (target) {
    target.removeEventListener('scroll', state.updateBound);
  });

  // Reset state
  state.updateBound = null;
  state.scrollParents = [];

  state.scrollElement = null;
  state.eventsEnabled = false;
  return state;
}

/**
 * Tells if a given input is a number
 * @method
 * @memberof Popper.Utils
 * @param {*} input to check
 * @returns {Boolean}
 */
function isNumeric(n) {
  return n !== '' && !isNaN(parseFloat(n)) && isFinite(n);
}

/**
 * Set the style to the given popper
 * @method
 * @memberof Popper.Utils
 * @argument {Element} element - Element to apply the style
 * @argument {Object} style
 * @returns {Object}
 */
function setStyles(element, style) {
  Object.keys(style).forEach(function (prop) {
    var unit = '';
    if (['width', 'height', 'top', 'right', 'bottom', 'left'].indexOf(prop) !== -1 && isNumeric(style[prop])) {
      unit = 'px';
    }
    element.style[prop] = style[prop] + unit;
  });
  return element;
}

/**
 * Set the attributes to the given popper
 * @method
 * @memberof Popper
 * @returns {Object}
 */
function setAttributes(element) {
  return element;
}

/**
 * It will add resize/scroll events and start recalculating
 * position of the popper element when they are triggered.
 * @method
 * @memberof Popper
 */
function enableEventListeners() {
  if (!this.state.eventsEnabled) {
    this.state = setupEventListeners(this.reference, this.options, this.state, this.scheduleUpdate);
  }
}

/**
 * Remove event listeners used to update the popper position
 * @method
 * @memberof Popper.
 */
function disableEventListeners() {
  if (this.state.eventsEnabled) {
    cancelAnimationFrame(this.scheduleUpdate);
    this.state = removeEventListeners(this.reference, this.state);
  }
}

/**
 * Tells if a given input is a number
 * @method
 * @memberof Popper.
 * @param {*} input to check
 * @returns {Boolean}
 */
function isNumeric(n) {
  return n !== '' && !isNaN(parseFloat(n)) && isFinite(n);
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 * Set the style to the given popper
 * @method
 * @memberof Popper.
 * @argument {Element} element - Element to apply the style
 * @argument {Object} style
 * @returns {Object}
 */
function setStyles(element, style) {
  Object.keys(style).forEach(function (prop) {
    var unit = '';
    if (['width', 'height', 'top', 'right', 'bottom', 'left'].indexOf(prop) !== -1 && isNumeric(style[prop])) {
      unit = 'px';
    }
    element.style[prop] = style[prop] + unit;
  });
  return element;
}

/**
 * Set the attributes to the given popper
 * @method
 * @memberof Popper.
 * @returns {Object}
 */
function setAttributes(element) {
  return element;
}

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 * position of the popper element when they are triggered.
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 * @memberof Popper.
 */
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  if (!this.state.eventsEnabled) {
    this.state = setupEventListeners(this.reference, this.options, this.state, this.scheduleUpdate);
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 * @method
 * @memberof Popper.
 */
function disableEventListeners() {
  if (this.state.eventsEnabled) {
    cancelAnimationFrame(this.scheduleUpdate);
    this.state = removeEventListeners(this.reference, this.state);
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 * Tells if a given input is a number
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/**
 * Set the style to the given popper
 * @method
 * @memberof Popper.
 * @argument {Element} element - Element to apply the style
 * @argument {Object} style
 * @returns {Object}
 */
function setStyles(element, style) {
  Object.keys(style).forEach(function (prop) {
    var unit = '';
    if (['width', 'height', 'top', 'right', 'bottom', 'left'].indexOf(prop) !== -1 && isNumeric(style[prop])) {
      unit = 'px';
    }
    element.style[prop] = style[prop] + unit;
  });
  return element;
}

/**
 * Set the attributes to the given popper
 * @method
 * @memberof Popper.
 * @returns {Object}
 */
function setAttributes(element) {
  return element;
}
Object * Object with a list of properties and values which will be applied to the element

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 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
  // refer to originalPlacement to know the original value
  var var placement = computeAutoPlacement(options, referenceOffsets, popper, reference, options.positionFixed);

  // Apply `position` to popper before anything else because
  // without the position applied we can't guarantee correct computations
  var styles = { position: popper.position };

  // Avoid blurry text by using full pixel integers.
  // For pixel-perfect positioning, top/bottom prefers rounded
  // values, while left/right prefers floored values.
  var offsets = {
    left: Math.floor(popper.left),
    top: Math.round(popper.top),
    bottom: Math.round(popper.bottom),
    right: Math.floor(popper.right)
  };

  // if gpuAcceleration is set to `true` and transform is supported,
  // we use `translate3d` to apply the position to the popper
  var prefixedProperty = getSupportedPropertyName('transform');
  var x = options.x;
  var 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 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

// 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.clientWidth + offsets.right;
      } else {
        left = -offsetParentRect.width + offsets.right;
      }
    } else {
      left = offsets.left;
    }

    if (gpuAcceleration && prefixedProperty) {
      styles[prefixedProperty] = 'translate3d(' + left + 'px, ' + top + 'px, 0);' + styles[sideA] = 0;
      styles[sideB] = 0;
      styles.willChange = 'transform';
    } else {
      // otherwise, we use the standard top, left, bottom and right properties
      var invertTop = sideA === 'bottom' ? -1 : 1;
      var invertLeft = sideB === 'right' ? -1 : 1;
      styles[sideA] = top * invertTop;
      styles[sideB] = left * invertLeft;
      styles.willChange = sideA + '+' + sideB;

      // Attributes
      var attributes = { 'x-placement': data.placement, 'data:placement': true }; // 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;
    }

    // Attributes
    var attributes = { 'x-placement': data.placement, 'data:placement': true }; // 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.
   */
  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 (!data.instance.popper.contains(arrowElement)) {
        console.warn('WARNING: `arrow.element` must be child of its popper node! if
          (!data.instance.popper.contains(arrowElement)) {
        var _data$offsets = data.offsets;
        var popper = _data$offsets.popper;
        var reference = _data$offsets.reference;
        var isVertical = ['left', 'right'].indexOf(placement) !== -1;
        var len = isVertical ? 'height' : 'width';
        var sideCapitalized = isVertical ? 'top' : 'left';
        var side = sideCapitalized.toLowerCase();
        var altSide = isVertical ? peak[side] : sideCapitalized;
        var altSide = sideCapitalized.toLowerCase();
        var alternativeSize = getOuterSizes(arrowElement)[len];
        if (len) {
          this.popperMarginSide = parseFloat(css['margin' + sideCapitalized], 10);
from being placed not contiguously to its popper\n  sideValue = Math.max(Math.min(popper[len] -
  arrowElementSize, sideValue), 0);\n}\n  data.arrowElement = arrowElement;\n  data.offsets.arrow = \n    (\_dataSoffsetsArrow = [], defineProperty(\_dataSoffsetsArrow, side, Math.\round(sideValue)),
    defineProperty(\_dataSoffsetsArrow, altSide, ``), \_dataSoffsetsArrow);\n  return data;\n\n  *\n  * Get the opposite placement variation of the given one\n  * \method\n  * \memberof Popper.Utils\n  * \argument {String} placement\n  * \returns {String} flipped placement variation\n  * \function getOppositeVariation\n  * \(\{\}\ \text{if (variation === 'end')} \{\text{return 'start';}\} \text{else if (variation === 'start')} \{\text{return 'end';}\}\n  * \return return variation;\n  * \function getOppositeVariation\n  * List of accepted placements to use as values of the 'placement'\n  * option.<br \n  * Valid placements are:\n  * - auto\n  * - top\n  * - right\n  * - bottom\n  * - left\n  * Each\n  * placement can have a variation from this list:\n  * - 'start'\n  * - 'end'\n  * Variations are interpreted easily if you\n  * think of them as the left to right\n  * written languages. Horizontally ('top' and 'bottom'), 'start' is left and 'end'\n  * is right.<br \n  * Vertically ('left' and 'right'), 'start' is top and 'end' is bottom.\n  * Some valid examples are:\n  * - top-end\n  * - right-start\n  * - bottom\n  * (on bottom, centered)\n  * on the side with more space available, alignment depends by placement)\n  * @\n  * @enum {String}\n  * @readonly\n  * @method placements\n  * @memberof Popper\n  * \constructor\n  * clockwise (or counter-clockwise)\n  * \function clockwise\n  * \(\{\}\ \text{Get rid of 'auto' and auto-end} in validPlacements = placements.slice(3);\n  * \function clockwise\n  * \(\{\}\ \text{Get rid of reference, top aligned} in - 'bottom'\n  * on bottom, centered)\n  * on the side with more space available, alignment depends by placement)\n  * @\n  * @enum {String}\n  * \method placements\n  * @memberof Popper\n  * \constructor\n  * - A valid placement (it accepts variations)\n  * @argument {Object} data - The data object generated by update\n  * methods \@argument {Object} options - Modifiers configuration and options\n  * @returns {Object} The data\n  * object, properly modified\n  * \function flip\n  * \(\{\}\ \text{if `inner` modifier is enabled, we can't use the}\n  * 'flip' modifier if (isModifierEnabled(data.instance.modifiers, 'inner')) \{return data;\}\n  * \function flip\n  * \(\{\}\ \text{seems like flip is trying to loop, probably there's not}\n  * enough space on any of the flippable sides}\n  * \function getBoundaries\n  * \(\{\}\ \text{return data;}\n  * var boundaries =
  * getBoundaries(data.instance.popper, data.instance.reference, options.padding, options.boundariesElement,\n  * data.positionFixed);\n  * var var placement = data.placement.split('-')[0];\n  * var var placementOpposite =
  * getOppositePlacement(placement);\n  * var var variation = data.placement.split('-')[1];\n  * var var flipOrder = [];\n  * var var switch (options.behavior) \{\\n  * case BEHAVIORS.CLICKW\n  * \{\text{flipOrder = clockwise(placement),}\n  * break;}\n  * \}\n  * var refOffsets = data.offsets.reference;\n  * \{\\n  * if using floor because the reference offsets may contain decimals we are not\n  * going to consider here\n  * var floor = Math.floor;\n  * var overlapsRef = placement === 'left' \&\&\n  * floor(popperOffsets.right) > floor(refOffsets.left) || placement === 'right' \&\& floor(popperOffsets.left) <\n  * floor(refOffsets.right) || placement === 'top' \&\& floor(popperOffsets.bottom) > floor(refOffsets.top) ||\n  * placement === 'bottom' \&\& floor(popperOffsets.top) < floor(refOffsets.bottom);\n  * var var overlapsLeft =\n  * floor(popperOffsets.left) < floor(boundaries.left);\n  * var var overlapsRight = floor(popperOffsets.right) >\n  * floor(boundaries.right);\n  * var var overlapsTop = floor(popperOffsets.top) < floor(boundaries.top);\n  * var var overlapsBottom = floor(popperOffsets.bottom) > floor(boundaries.bottom);\n  * var var overlapsBoundaries =
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);

    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.placement));
    }
    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;
}

/**
 * @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, we keep just the value
    return value;
  }
}

/**
 * @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
  // we will use the other one var useHeight = ['right', 'left'].indexOf(basePlacement) !== -1;
  // Split the offset string to obtain a list of values and operands
  // The regex addresses values with the plus or minus sign in front (+10, -20, etc)
  var fragments = offset.split(/(\+|\-)/).map(function (frag) {
    return frag.trim();
  });
  // Detect if the offset string contains a pair of values or a single one
  // they could be separated by comma or space
  var divider = fragments.indexOf(find(fragments, function (fragment) {
    return fragment.indexOf(',') !== -1;
  }));
  // If divider is found, we divide the list of values
and operands to divide
  // them by offset X and Y.
  var splitRegex = /\s*,\s*|\s+/;
  var ops = divider !== -1 ? 
    [fragments.slice(0, divider).concat([fragments[divider].split(splitRegex)[0]]),
     [fragments[divider].split(splitRegex)[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
      .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;
  data = update(data.placement, data.offsets, 
    @argument {Object} data - The data object, properly modified
    @argument {Number|String} options.offset=0
    @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 (offsetParent) {
    var boundariesElement = getOffsetParent(boundariesElement);
  }

  var order = options.priority;
  var popper = data.offsets.popper;
  var reference = data.offsets.reference;

  // NOTE: DOM access here
  // resets the popper's position so that the document size can be calculated excluding
  // the size of the popper element itself
  var transformProp = getSupportedPropertyName('transform');
  var popperStyles = data.instance.popper.style;
  // assignment to help minification
  var top = popperStyles.top,
      left = popperStyles.left,
      transform = popperStyles[transformProp];

  // Transform styles are calculated after popperStyles.styles, so we can use
  // popperStyles to calculate the values
  var popperStyles = data.instance.popperStyles;
  var boundaries = getBoundaries(data.instance.popper, data.instance.reference, options.padding, boundariesElement, data.positionFixed);

  var boundaries = getBoundaries(data.instance.popper, data.instance.reference, options.padding, boundariesElement, data.positionFixed);

  // NOTE: DOM access here
  // restores the original style properties after the offsets have been computed
  popperStyles.top = top;
  popperStyles.left = left;

  // assignment to help minification
  var top = popperStyles.top,
      left = popperStyles.left,
      transform = popperStyles[transformProp];

  // Transform styles are calculated after popperStyles.styles, so we can use
  // popperStyles to calculate the values
  var popperStyles = data.instance.popperStyles;

  var boundaries = getBoundaries(data.instance.popper, data.instance.reference, options.padding, boundariesElement, data.positionFixed);
'secondary';
    popper = _extends({}, popper, check[side](placement));
  });

  data.offsets.popper = popper;

  return data;
}

/**
 * @function
 * @memberof Modifiers
 * @argument {Object} data - The data object
 * @argument {Object} options - Modifiers configuration and options
 * @returns {Object} The data object
 */
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
 * @argument {Object} options - Modifiers configuration and options
 * @returns {Object} The data object
 */
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
 */
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;
  var popper = isHoriz ? 'left' : 'top';
  var reference = basePlacement;

  var subtractLength = popper === isHoriz ? 'width' : 'height';
  var display = 'block';

  if (isHoriz) {
    // 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
    // * You can provide a single value (as `Number` or `String`), or a pair of values (as `Number` or `String`) divided by a comma or one (or more) white spaces.
    // * This means that if the placement is `top` or `bottom`, the length will be `height`
    //   or `width`. In case of `left` or `right`, it will be `height`
    //   or `width`. You can provide a single value (as `Number` or `String`), or a pair of values (as `Number` or `String`) divided by a comma or one (or more) white spaces.
    // * The
latter is a deprecated method because it leads to confusion and will be removed in v2. Additionally, it accepts additions and subtractions between different units. Note that multiplications and divisions aren't supported. Valid examples are:

```javascript
10
'10%
'10, 10'
10 + 10%
10 - 5vh + 3%
'-10px + 5vh, 5px - 6%
``` 

If you desire to apply offsets to your poppers in a way that may make them overlap with their reference element, you may have to use the following modifier: 

```javascript
* @prop {number} order=200 - Index used to define the order of execution
* @prop {number} order=200
``` 

When the `preventOverflow` modifier is set, the boundaries are enforced. The popper will overflow (or completely leave) the boundaries in order to remain attached to the edge of the reference.

```javascript
* @prop {number} order=300
``` 

If `preventOverflow` is enabled and the reference is completely outside its boundaries, the popper will still overflow if `escapeWithReference` is set to `true`. However, if `escapeWithReference` is set to `false`, the popper will remain within the boundaries. You 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".

A scenario exists where the reference itself is not within the boundaries. 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".

Especially useful when the arrow is enabled and you want to ensure that it points to its reference element. It cares only about the first axis. You can still have poppers with margin between the popper and its reference element. 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. It has no effect if no `arrowElement` is provided.
The popper will flip if it hits the edges of the `boundariesElement` and the popper will never be placed outside of the defined boundaries. 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. 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.

```
/**
 * @prop {String|HTMLElement} boundariesElement='viewport'
 * The element which will define the boundaries of the popper position.
 * The popper will be placed outside the reference element.
 * @inner
 */
```

```
/**
 * @prop {number} order=700 - Index used to define the order of execution
 */
```

```
/**
 * @prop {Number} enabled=false - Whether the modifier is enabled or not
 */
```

```
/**
 * @prop {ModifierFn} fn: 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 {ModifierFn} fn: computeStyle
 */
```

```
/**
 * @prop {number} order=900 - Index used to define the order of execution
 */
```

```
/**
 * @prop {Boolean} enabled=true - Whether the modifier is enabled or not
 */
```

```
/**
 * @prop {Function} onLoad: applyStyleOnLoad
 */
```

```
/**
 * @prop {String} [x='bottom']
 * Where to anchor the X axis (`bottom` or `top`). AKA X offset origin.
 */
```

```
/**
 * @prop {String} [y='right']
 * Where to anchor the Y axis (`left` or `right`). AKA Y offset origin.
 */
```

```
/**
 * @prop {Boolean} gpuAcceleration=true
 * If true, it uses the CSS 3D transformation to position the popper.
 * Otherwise, it will use the `top` and `left` properties.
 */
```

```
/**
 * @prop {Object} dataObject
 * 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 instance
@property {String} data.placement Placement applied to popper
@property {Object} data.originalPlacement Placement originally defined on init
@property {Object} data.styles Any CSS property defined here will be applied to the popper.
```

```
@deprecated since version 1.10.0, the property moved to `computeStyle` modifier
```
`marginBottom`)
* @property {Object} data.boundaries Offsets of the popper boundaries
* @property {Object} data.offsets The measurements of popper, reference and arrow elements
* @property {Object} data.offsets.popper `top`, `left`, `width`, `height` values
* @property {Object} data.offsets.reference `top`, `left`, `width`, `height` values
* @property {Object} data.offsets.arrow `top` and `left` offsets, only one of them will be different from 0
* @property {Object} data.offsets.popper Default options provided to Popper.js constructor.

To override an option, simply pass an option with the same structure of the `options` object, as the 3rd argument. For example:

```javascript
var popper = new Popper(ref, pop, { modifiers: { preventOverflow: { enabled: false } } });
```

The `options` object can be passed to Popper.js in three ways:

1. Directly to the constructor:
   ```javascript
   new Popper(ref, pop, { options: { ... } });
   ```
2. As an argument:
   ```javascript
   new Popper(ref, pop, { options: { ... } }, dataObject);
   ```
3. As an object:
   ```javascript
   new Popper(ref, pop, options);
   ```

The `options` object can be used to override the default options provided by Popper.js.

### Default Options

```javascript
var Defaults = {
  placement: 'bottom',
  positionFixed: false,
  eventsEnabled: true,
  removeOnDestroy: false,
  onCreate: function onCreate() {},
  onUpdate: function onUpdate() {},
  modifiers: {}
};
```

### Popper.js Constructor

```javascript
function Popper(reference, popper) {
  var _this = this;

  classCallCheck(this, Popper);

  this.scheduleUpdate = function () {
    return requestAnimationFrame(_this.update);
  };

  this.update = debounce(this.update.bind(this));

  this.options = _extends({}, Popper.Defaults, options);

  this.state = {
    isDestroyed: false,
    isCreated: false,
    scrollParents: []
  };

  this.popper = popper && popper.jquery ? popper[0] : popper;

  this.options.modifiers = {};
  Object.keys(_extends({}, Popper.Defaults.modifiers, options.modifiers)).forEach(function (name) {
    this.options.modifiers[name] = _extends({}, Popper.Defaults.modifiers[name] || {}, options.modifiers[name] || {});
  });

  this.modifiers = Object.keys(this.options.modifiers).map(function (name) {
    return _extends({
      name: name
    }, this.options.modifiers[name]);
  }).sort(function (a, b) {
    return a.order - b.order;
  });

  this.options.onLoad = function (reference, popper, options, modifierOptions, state) {
    if (modifierOptions.enabled && isFunction(modifierOptions.onLoad)) {
      modifierOptions.onLoad(_this.reference, _this.popper, _this.options, modifierOptions, _this.state);
    }
  };

  this.referenceUpdated = function (name) {
    if (this.options[name].onUpdate) {
      this.options[name].onUpdate(_this.reference, _this.popper, _this.options, modifierOptions, _this.state);
    }
  };

  // setup event listeners, they will take care of update the position in specific situations

  this.enableEventListeners();
}
```

---

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```javascript
/**
 * Events enabled;
 */

// We can't use class properties because they don't get listed in the
// class prototype and break stuff like Sinon stubs

// 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);
  }

  /**
   * Schedule an update. It will run on the next UI update available.
   *
   * @method scheduleUpdate
   * @memberof Popper
   */

  /**
   * 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`.
   *
   * **DEPRECATED**: This way to access PopperUtils is deprecated
   * and will be removed in v2! Use the
   * PopperUtils module directly instead.
   * Due to the high instability of the methods contained in Utils, we can't
   * guarantee them to follow semver.
   * Use them at your own risk!
   */

  Popper.placements = placements;
  Popper.Defaults = Defaults;

  export default Popper;
//
sourceMappingURL=popper.js.map
"use strict";

var isValue = require("./is-value");

var forEach = Array.prototype.forEach, create = Object.create;

var process = function (src, obj) {
  var key;
  for (key in src)
    obj[key] = src[key];
};

function shortOut(func) {
  var count = 0,
      lastCalled = 0;

  return function() {
    var stamp = nativeNow(),
        remaining = HOT_SPAN - (stamp - lastCalled);

    lastCalled = stamp;
    if (remaining > 0) {
      if (++count >= HOT_COUNT) {
        return arguments[0];
      }
    } else {
      count = 0;
    }
    return func.apply(undefined, arguments);
  }
}

module.exports = shortOut;

function toKey(value) {
  if (typeof value == 'string' || isSymbol(value)) {
    return value;
  }
  var result = (value + '');
  return (result == '0' && (1 / value) == -INFINITY) ? '-0' : result;
}

module.exports = toKey;
```

---

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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 =
Object.prototype.toString;\nvar OBJECT_STRING = '[object Object]';\nfunction isPlainObject (obj) {\n return
toString.call(obj) === OBJECT_STRING\n}\n\nfunction isNull (val) {\n return val === null || val ===
undefined\n}\n\nfunction parseArgs () {\n var args = [], len = arguments.length;\n while ( len-- ) args[ len ] =
arguments[ len ];\n\n var locale = null;\n var params = null;\n if (args.length === 1) {\n if (isObject(args[0]) ||
Array.isArray(args[0])) {\n
params = args[0];\n } else if (typeof args[0] === 'string') {\n
locale = args[0];\n
}\n } else if (args.length === 2) {\n if (typeof args[0] === 'string') {\n
locale = args[0];\n }\n /* istanbul

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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.watchLocale();
this._i18n.subscribeDataChanging(this);

if (options.i18n.sync === undefined) {
  if (this.$root && this.$root.$i18n && this.$root.$i18n instanceof VueI18n) {
    this._i18n = this.$root.$i18n;
  } else if (options.parent && options.parent.$i18n && options.parent.$i18n instanceof VueI18n) {
    this._i18n = options.parent.$i18n;
  } else if (this._i18n instanceof VueI18n) {
    this._i18n = this._i18n;
  } else {
    warn('Cannot be interpreted `i18n` option.\');
  }
}

if (options.i18n.sync === undefined || !!options.i18n.sync) {
  this._i18nWatcher = this._i18n.watchI18nData();
}

this._i18n.subscribeDataChanging(this);
if (process.env.NODE_ENV !== 'production') {
  warn('Cannot parse locale messages via custom blocks.', e);
}

this._i18n.subscribeDataChanging(this);
if (process.env.NODE_ENV !== 'production') {
  warn('Cannot find VueI18n instance!');
}

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))
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':
[AFTER_PATH]\n};\n\npathStateMachine[BEFORE_IDENT] = {\n 'ws': [BEFORE_IDENT],\n 'ident':
[IN_IDENT, APPEND],\n '0': [IN_IDENT, APPEND],\n 'number': [IN_IDENT,
APPEND]\n};\n\npathStateMachine[IN_IDENT] = {\n 'ident': [IN_IDENT, APPEND],\n '0': [IN_IDENT,
APPEND],\n 'number': [IN_IDENT, APPEND],\n 'ws': [IN_PATH, PUSH],\n '.': [BEFORE_IDENT, PUSH],\n
'[': [IN_SUB_PATH, PUSH],\n 'eof': [AFTER_PATH, PUSH]\n};\n\npathStateMachine[IN_SUB_PATH] = {\n
\"'\": [IN_SINGLE_QUOTE, APPEND],\n '\"': [IN_DOUBLE_QUOTE, APPEND],\n '[': [IN_SUB_PATH,

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INC_SUB_PATH_DEPTH] } ERROR \n  else: [IN_SUB_PATH, APPEND] \n pathStateMachine[IN_DOUBLE_QUOTE] = \n \n function isLiteral (exp) \n  return literalValueRE.test(exp) \n \n function stripQuotes (str) \n  if (str.charAt(0) === '0' && isNaN(str)) { return false } \n  return isLiteral(trimmed) ? stripQuotes(trimmed) : '*' + trimmed \n \n function formatSubPath (path) \n  var trimmed = path.trim(); 
  return isLiteral(trimmed) ? stripQuotes(trimmed) : '*' + trimmed
\n
options = {} // Auto install if it is not done yet and `window` has `Vue`.
/* 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 || {};
this._vm = null;
this._formatter = options.formatter || new BaseFormatter();
this._missing = options.missing || null;
this._path = 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._timeDataFormatters = [];
this._path = new I18nPath();
this._dataListeners = [];
this._exist = function (message, key) {
  if (!message || !key) {
    return false;
  }
  return !isNull(this._path.getPathValue(message, key))
};
this._initVM = function (locale) {
  locale = fallbackLocale;
  var messages = messages;
  var dateTimeFormats = dateTimeFormats;
  var numberFormats = numberFormats;

  var prototypeAccessors = {
    vm: { configurable: true },
    messages: { configurable: true },
    dateTimeFormats: { configurable: true },
    numberFormats: { configurable: true },
    locale: { configurable: true },
    fallbackLocale: { configurable: true },
    missing: { configurable: true },
    formatter: { configurable: true },
    silentTranslationWarn: { configurable: true }
  };

  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.get('messages')
};
VueI18n.prototype._getDateTimeFormats = function _getDateTimeFormats () { return this._vm.get('dateTimeFormats')
};
VueI18n.prototype._getNumberFormats = function _getNumberFormats () { return this._vm.get('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 if (process.env.NODE_ENV !== 'production' && !this._silentTranslationWarn) {
      warn("Cannot translate the value of keypath '" + key + '"
        "Use the value of keypath as default.");
    }
    return
  }

  VueI18n.prototype._isFallbackRoot = function _isFallbackRoot (val) {
    return !val &&
  };
locale, message, key, host, interpolateMode, values, visitedLinkStack
) {
  if (!message) { return null }

  var pathRet = this._path.getPathValue(message, key); if (Array.isArray(pathRet) || isPlainObject(pathRet)) { return pathRet } var ret; if (isNil(pathRet)) { /* istanbul ignore else */ if (typeof ret !== 'string') { return ret = pathRet; } else if (process.env.NODE_ENV !== 'production' && !this._silentTranslationWarn) { warn("Value of key ", + key + ": is not a string!"); return null }

  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 {
      return null
    }
  } else {
    /* istanbul ignore else */
    if (typeof pathRet === 'string') {
      ret = pathRet;
    } else {
      if (process.env.NODE_ENV !== 'production' && !this._silentTranslationWarn) { warn("Value of key ", + key + ": is not a string!"); return null }
    }
  }

  // Check for the existence of links within the translated string if (ret.indexOf('@:') >= 0 || ret.indexOf('@.') >= 0) {
    ret = this._link(locale, message, ret, host, interpolateMode, values, visitedLinkStack);
  }

  return this._render(ret, interpolateMode, values);
};

VueI18n.prototype._link = function _link (locale, message, str, host, interpolateMode, values, visitedLinkStack) {
  var this$1 = this;

  var ret = str;

  // Match all the links within the local
  // We are going to replace each of them with its translation
  var matches = ret.match(linkKeyMatcher);
  for (var idx in matches) {
    /* istanbul ignore if */
    if (!matches.hasOwnProperty(idx)) {
      continue
    }
    var link = matches[idx];
    var linkPrefixMatches = link.match(linkKeyPrefixMatcher);
    var linkPrefix = linkKeyPrefixMatches[0];
    var formatterName = linkKeyPrefixMatches[1];
    // Remove the leading @:, @.case: and the brackets
    var linkPlaceholder = link.replace(linkPrefix, '').replace(bracketsMatcher, '');

    if (visitedLinkStack.includes(linkPlaceholder)) {
      if (process.env.NODE_ENV !== 'production') {
        warn("Circular reference found. \"", + link + ": is already visited in the chain of \"", + (visitedLinkStack.reverse().join(' <- ')) + ");
      }
      return ret
    }

    visitedLinkStack.push(linkPlaceholder);

    // Translate the link
    var translated = this$1._interpolate(locale, message, linkPlaceholder, host, interpolateMode === 'raw' ? 'string' : interpolateMode, interpolateMode === 'raw' ? undefined : values, visitedLinkStack);

    if (this$1._isFallbackRoot(translated)) {
      if (process.env.NODE_ENV !== 'production' && !this$1._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();

    // Replace the link with the translated
    ret = !translated ? ret : ret.replace(link, translated);
  }

  return ret
};

VueI18n.prototype._render = function _render (message, interpolateMode, values) {
  var ret = this._formatter.interpolate(message, values);

  return interpolateMode === 'string' ? ret.join('') : ret
};

VueI18n.prototype._translate = function _translate (messages, locale, fallback, key, host, interpolateMode, values, visitedLinkStack) {
  var res =
  this._interpolate(locale, messages[locale], key, host, interpolateMode, args
) {
  var res =
  this._interpolate(fallback, messages[fallback], key, host, interpolateMode, args, [key]);

  return (isNil(res)) {
    if (process.env.NODE_ENV !== 'production' && !this._silentTranslationWarn) { warn("Fall back to translate the keypath ", + key + ": with fallback \"", + fallback + ": locale."); }
  }

  return res
} else {
  /* istanbul ignore else */
  if (isNil(res)) { throw Error('unexpected error') }

  var values = [], len = arguments.length - 4; while (len-- > 0) values[len] = arguments[len + 4];

  var args = parsedArgs = parseArgs.apply(void 0, values);

  var res = this._interopScope(locale, messages, 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 res
};

VueI18n.prototype._t = function _t (key, _locale, messages, host) {
  var values = [], len = arguments.length - 4; while (len-- > 0) values[len] = arguments[len + 4];

  var args = parsedArgs = parseArgs.apply(void 0, values);

  var res = this._interopScope(locale, messages, 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 res
};
values ))
} else { return this._warnDefault(locale, key, ret, host, values) }

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, locale, this._getMessages(), null, 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 choices[choice].trim()
    } else {
        return null
    }
}

/**
 * @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 ref; var values = [], len = arguments.length - 2;
    while ( len-- > 0 ) values[len] = arguments[len + 2];
    return (ref = this)._tc.apply(ref, [ key, locale, this._getMessages(), null, choice ]).concat(values)
}

VueI18n.prototype._te = function _te (key, locale, messages) {
    var args = [], len = arguments.length - 3;
    while ( len-- > 0 ) args[len] = arguments[len + 3];
    var _locale = parseArgs.apply(void 0, args).locale || locale;

    var _messages = this._exist(messages[_locale], key);

    return this._te(key, locale, messages)
}

VueI18n.prototype.te = function te (key, locale) {
    return this._te(key, locale, this._getMessages(), locale)
}

VueI18n.prototype.getLocaleMessage = function getLocaleMessage (locale) {
    return looseClone(this._vm.messages[locale] || {})
}

VueI18n.prototype.setLocaleMessage = function setLocaleMessage (locale, message) {
    this._vm.$set(this._vm.messages, locale, message)
}

VueI18n.prototype.mergeLocaleMessage = function mergeLocaleMessage (locale, message) {
    this._vm.$set(this._vm.messages, locale, merge(this._vm.messages[locale] || {}, message))
}

VueI18n.prototype.getDateTimeFormat = function getDateTimeFormat (locale) {
    return looseClone(this._vm.dateTimeFormats[locale] || { })
}

VueI18n.prototype.setDateTimeFormat = function setDateTimeFormat (locale, format) {
    this._vm.$set(this._vm.dateTimeFormats, locale, format)
}

VueI18n.prototype.mergeDateTimeFormat = function mergeDateTimeFormat (locale, format) {
    this._vm.$set(this._vm.dateTimeFormats, locale, merge(this._vm.dateTimeFormats[locale] || {}, format))
}

VueI18n.prototype._localizeDateTime = function _localizeDateTime () {
    // fallback locale
    var datetime = this.dateTimeFormats[locale];
    if (isNotNull(datetime)) {
        datetime = this.setDateTimeFormat(locale, format)
    }
    else { return value }
}

VueI18n.prototype._defaultDateTime = function _defaultDateTime () {
    // fallback locale
    var datetime = this.dateTimeFormats[locale];
    if (isNotNull(datetime)) {
        datetime = this.setDateTimeFormat(locale, format)
    }
    else { return value }
}

VueI18n.prototype._getMessages = function _getMessages () {
    return this._vm.messages[locale] || {}
}

VueI18n.prototype._warnDefault = function _warnDefault (locale, key, ret, host, values) {
    // warn(format, key, ret, host, values)
}

VueI18n.prototype._isFallbackRoot = function _isFallbackRoot (ret) {
    // warn(production && this._silentTranslationWarn)
}

VueI18n.prototype._silentTranslationWarn = Boolean(true)

VueI18n.prototype._translate = function _translate (messages, locale, fallbackLocale, key, host, choice, values) {
    // warn("Fallback keypath \"{\" + key + \"\" + " with root locale.", locale)"
}

VueI18n.prototype._isFallbackRoot = function _isFallbackRoot () {
    // warn(productions && this._silentTranslationWarn)
}

VueI18n.prototype._root = this;

VueI18n.prototype._translate = function _translate (messages, locale, fallbackLocale, key, host, choice, values) {
    // warn("Fallback keypath \"{\" + key + \"\" + " with root locale.", locale)"
}

VueI18n.prototype._isFallbackRoot = function _isFallbackRoot () {
    // warn(productions && this._silentTranslationWarn)
}

VueI18n.prototype._root = this;
true, /[A-Za-z0-9-_.\s]+\.json$/i
  const messages = {};
  locales.keys().forEach(key => {
    const matched = key.match(/\[(A-Za-z0-9-_.)+\]/i);
    if (matched && matched.length > 1) { const locale = matched[1];
      messages[locale] = locales(key);
    }
  });
  return messages;
}

export default new VueI18n({
  locale:
    process.env.VUE_APP_I18N_LOCALE || 'en',
  fallbackLocale:
    process.env.VUE_APP_I18N_FALLBACK_LOCALE || 'en',
  messages: loadLocaleMessages()
})

const DEFAULT_ROWS = [
  {
    height: '1em',
    boxes: [[0, '50%'], ['5%', '30%'], ['5%', '10%']]
  }
]

export function formatRows (rows = DEFAULT_ROWS, subClass = 'box') {
  const rowArr = [];
  rows.forEach(row => {
    let boxArr = [];
    const rowObj = {
      height: row.height
    };
    row.boxes.forEach((box, index) => {
      let 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 {
  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;
    animation-name: placeHolderShimmer;
    animation-iteration-count: 1;
    animation-timing-function: linear;
    animation-timing-function: linear;
    background: #f6f7f8;
    background: linear-gradient(to right, #eeeeee 8%, #dddddd 18%, #eeeeee 33%);
    position: relative;

    &__row {
      width: 100%;
      box-sizing: border-box;
      display: flex;
      flex: 0 1 auto;
      flex-direction: row;
      flex-wrap: wrap;
      &__box {
        box-sizing: border-box;
        position: relative;
        height: 100%;
        margin-bottom: 0;
        background-color: white;
        overflow: hidden;
      }
    }
  }
</style>
<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>
              <div 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">
                  {{ $t('donate-form.frequency.onetime') }}</button>
              </div>
            </div>
            <div v-if="changeThe" class="mt-2" v-html="$t('donate-form.result.sentence', { target: changeThe })"></div>
            <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>
            </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>
                        <li v-for="t in $t('donate-form.benefits.impacts.rules.list')">
                          {{ t }}
                        </li>
                    </ul>
                  </div>
              </div>
          </div>
      </div>
  </div>
</template>
from "!../../../node_modules/vue-loader/lib/runtime/componentNormalizer.js" import component = normalizeComponent(resolve,

var component = normalizer(
  script,
  render,
  staticRenderFns,
  false,
  null,
  null,
  null
)

component.options.__file = "DonateForm.vue"
export default component.exports

var render = function () {
  var _vm = this;

  _vm.$createElement;

  _vm._n = ("\n  " + _vm._b + "\n  ")

  _vm.$slots.

  _vm._s(_vm._m(_vm.sharingOptionsValues,"direction",_vm.sharingOptionsValues,"column-reverse",_vm.sharingOptionsValues,"height",_vm.sharingOptionsValues,"height-2x",_vm.title));

  _vm._v(_vm._s(_vm.$t('embeddable-footer.share')))
}

var staticRenderFns = []

export { render, staticRenderFns }
```javascript
var done = false;

try {
  fn(function(value) {
    if (done) return;
    done = true;
    reject(self, value);
  }, function(reason) {
    if (done) return;
    done = true;
    reject(self, ex);
  });
}

Promise.prototype['catch'] = function(onRejected) {
  return this.then(null, onRejected);
};

Promise.prototype.then = function(onFulfilled, onRejected) {
  // @ts-ignore
  var prom = new this.constructor(noop);
  handle(this, new Handler(onFulfilled, onRejected, prom));

  return prom;
};

Promise.prototype['finally'] = promiseFinally;

Promise.all = function(arr) {
  return new Promise(function(resolve, reject) {
    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['finally'] = promiseFinally;

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.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._immediateFn = (typeof setImmediate === 'function' &&
function(fn) {
  setImmediate(fn);
}) || function(fn) {
  setTimeoutFunc(fn, 0);
};

Promise._unhandledRejectionFn = function _unhandledRejectionFn(err) {
  if (typeof console !== 'undefined' && console) {
    console.warn('Possible Unhandled Promise Rejection:', err); // eslint-disable-line no-console
  }
};

export default Promise;
```

```javascript
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'

export default class IframeResizer {
  constructor () {
    this.initializer = injectAssets('//pym.nprapps.org/pym.v1.min.js').then(() => {
      pymChild = pymChild || new window.pym.Child({ polling: 300 })
      return pymChild
    })
    return this.initializer
  }
  sendHeight () {
    this.initializer.then(pymChild => pymChild.sendHeight())
  }
  static create () {
    return new IframeResizer()
  }
  static template(url, id = 'icij-' + Date.now().toString(32)) {
    return ["<script type="text/javascript" src="https://pym.nprapps.org/pym.v1.min.js"></script>",
    `<div id="${id}"`,
    `<script`
    `var icijIframe = new pym.Parent("${id}", "${IframeResizer.deletePymParams(url)}", {})`,
    `</script>`,
    `</div>`].join('"
')
  }
  static deletePymParams(href = window.location.href) {
    const url = new URL(href);
    // Remove all unwanted params
    for (let param of pymParams) url.searchParams.delete(param);
    // Rebuild the URL
    return url.href
  }
  static isEmbedded (href = window.location.href) {
    const url = new URL(href);
    return every(pymParams, param => url.searchParams.has(param))
  }
}
```
```javascript
export var arrayIncludes = function arrayIncludes(array, value) {
  return array.indexOf(value) !== -1;
}

// Static
export var from = Array.from;
export var isArray = Array.isArray;

// If (typeof arrayLike !== 'undefined') {
//  var C = this;

//  var items = ToObject(arrayLike);
//  var lenValue = Get(items, 'length');
//  var len = toLength(lenValue);
//  if (len < 1) throw new TypeError('Array.from: when provided, the second argument must be a number.
//  if (mapFn !== undefined) {
//    var mapFn = arguments.length > 1 ? arguments[1] : void undefined;
//    var T = void 0;
//    for (var k = 0; k < len; k++) {
//      var kValue = items[k];
//      if (predicate.call(thisArg, kValue, k, o)) {
//        return kValue;
//      }
//      k += 1;
//    }
//    // 18. Let putStatus be Put(A, "length", len, true);
//    // 19. Return A;
//    return A;
//  } else {
//    // 17. Repeat, while k < len...
//    while (k < len) {
//      kValue = void 0;
//      while (k < len) {
//        kValue = items[k];
//        if (predicate.call(thisArg, kValue, k, o)) {
//          return kValue;
//        }
//        k += 1;
//      }
//    }
//  }
//}
```

1:\n};\n\nexport arrayFind = function arrayFind(array, fn, thisArg) {\n  return array.find(fn, thisArg);\n};\n\nexport function concat() {\n  return Array.prototype.concat.apply([], arguments);\n};\n\nexport var arrayFind = function arrayFind(array, fn, thisArg) {\n  return array.find(fn, thisArg);\n};\n\nexport function concat() {\n  return Array.prototype.concat.apply([], arguments);\n};\n\nexport default function identity(x) {\n  return x;\n};

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 {Array} keysToPluck 
 * @param {Object} objToPluck 
 * @param {Function} transformFn
 * @return {Array} 
 */\nexport default function pluckProps(keysToPluck, objToPluck) {\n  var transformFn = arguments.length > 2 && arguments[2] !== undefined ? arguments[2] : identity;\n  return (isArray(keysToPluck) ? keysToPluck : keysToPluck.slice()).reduce(function (memo, key) {\n    return memo[transformFn(key)] = objToPluck[key], memo;\n  }, {});
};

import { from as arrayFrom } from './array';

// Determine if an element is an HTML Element\nexport var isElement = function isElement(el) {\n  return el && el.nodeType === Node.ELEMENT_NODE;\n};

// Determine if an HTML element is visible - Faster than CSS check\nexport var isVisible = function isVisible(el) {\n  return isElement(el) && document.body.contains(el) && el.getBoundingClientRect().height > 0 &&
  el.getBoundingClientRect().width > 0;\n};\n\n// Determine if an HTML element is disabled\n\nfunction isDisabled(el) {\n  return !isElement(el) || el.disabled || el.classList.contains('disabled');\n};

// Cause/wait-for an element to reflow it's content (adjusting it's height/width)\nexport var reflow = function reflow(el) {\n  return isElement(el) && el.offsetHeight;\n};

// Select all elements matching selector. Returns [] if none found\nexport var selectAll = function selectAll(selector, root) {\n  if (!isElement(root)) {\n    root = document;\n  }\n  return arrayFrom(root.querySelectorAll(selector));\n};

// Select a single element, returns null if not found\nexport var select = function select(selector, root) {\n  if (!isElement(root)) {\n    root = document;\n  }\n  return root.querySelector(selector) || null;\n};

// Determine if an element matches a selector\nexport var matches = function matches(el, selector) {\n  if (!isElement(el)) {\n    return false;\n  }\n  // Patched matches function\n  var Matches = el.matches || el.matchesSelector ||
  /* istanbul ignore next */
  function (sel) {
    var element = this;\n    var m = selectAll(sel, element.document ||
    element.ownerDocument);\n    var i = m.length;\n    // eslint-disable-next-line no-empty
    while (--i >= 0 && m.item(i) !== element) {}\n    return i > -1;\n  };

  return Matches.call(el, selector);\n};

// Finds closest element matching selector. Returns null if not found\nexport var closest = function closest(selector, root) {\n  if (!isElement(root)) {\n    return null;\n  }\n  // Since we dont support IE < 10, we can use the \"Matches\" version of the polyfill for speed\n  // Prefer native implementation over polyfill function\n  var Closest = element.closest ||
  /* istanbul ignore next */
  function (selector) {\n    var element = this;\n    var m = selectAll(selector, element.document ||
    element.ownerDocument);\n    var i = m.length;\n    // eslint-disable-next-line no-empty
    while (--i >= 0 && m.item(i) !== selector) {}\n    return m.item(i);\n  };

  var el = Closest.call(root, selector);\n  // Emulate jQuery closest and return null if match is the passed in element (root)\n  return el === root ? null : el;\n};

// Get an element given an ID\nexport var getById = function getById(id) {\n  return document.getElementById(/^#/.test(id) ? id.slice(1) : id) || null;\n};

// Add a class to an element\nexport var addClass = function addClass(el, className) {\n  if (className && isElement(el)) {\n    el.classList.add(className);\n  }\n};

// Remove a class from an element\nexport var removeClass = function removeClass(el, className) {\n  if (className && isElement(el)) {\n    el.classList.remove(className);\n  }\n};

// Test if an element has a class\nexport var hasClass = function hasClass(el, className) {\n  if (className && isElement(el)) {\n    return el.classList.contains(className);\n  }\n};

// Get an attribute value from an element\nexport var getAttr = function getAttr(el, attr) {\n  return el.getAttribute(attr) || null;\n};

// Set an attribute on an element\nexport var setAttr = function setAttr(el, attr, value) {\n  el.setAttribute(attr, value);\n};

// Remove an attribute from an element\nexport var removeAttr = function removeAttr(el, attr) {\n  el.removeAttribute(attr);\n};

// Get an attribute value from an element\nexport var getAttr = function getAttr(el, attr) {\n  return el.getAttribute(attr) || null;\n};
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```
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) !== null;
  }
  return null;
}

// Return the Bounding Client Rec of an element. Returns null if not an element
export var getBCR = function getBCR(el) {
  return isElement(el) ? el.getBoundingClientRect() : null;
}

// Get computed style object for an element (returns a style object, or null if element not found)
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)) {
    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 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 && 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, 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);
  }
}

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' ? 'symbol' : typeof obj;
};

import { assign, keys } from '../../utils/object';
import { arrayIncludes, concat } from '../../utils/array';
import { mergeData } from 'vue-functional-data-merge';

/**
 * The Link component is used in many other BV components.
 * As such, sharing
 * its props makes supporting all its features easier.
 * However, some components need to modify the defaults for
 * their own purpose.
 * Prefer sharing a fresh copy of the props to ensure mutations do not affect other
 * component references to the props.
 * @return {{}}
 */
export function propsFactory() {
  return {
    href: {
      type: String,
      default: null
    },
    rel: {
      type: String,
      default: null
    },
    target: {
      type: String,
      default: '_self'
    },
    active: {
      type: Boolean,
      default: false
    },
    activeClass: {
      type: String,
      default: 'active'
    },
    append: {
      type: Boolean,
      default: false
    },
    disabled: {
      type: Boolean,
      default: false
    },
    event: {
      type: [String, Array],
      default: 'click'
    },
    exact: {
      type: Boolean,
      default: false
    },
    exactActiveClass: {
      type: String,
      default: 'active'
    },
    replace: {
      type: Boolean,
      default: false
    },
    routerTag: {
      type: String,
      default: 'a'
    },
    to: {
      type: [String, Object],
      default: null
    }
  };
}

export var props = propsFactory();

export function pickLinkProps(propsToPick) {
  var freshLinkProps = propsFactory();
  // Normalize everything to array
  var propsToPick = concat(propsToPick);
  var returnKeys = freshLinkProps.reduce(function (memo, prop) {
    if (arrayIncludes(propsToPick, prop)) {
      memo[prop] = freshLinkProps[prop];
    }
    return memo;
  }, {});
  var exportVarComputed = {
    linkProps: function linkProps() {
      var var linkProps = propsFactory();
    }
  };
  var returnMemo = {
    memo: returnKeys,
    propsToOmit: freshLinkProps
  };
  var freshLinkProps = propsFactory();
  // Normalize everything to array
  var propsToPick = concat(propsToPick);
  var returnKeys = freshLinkProps.reduce(function (memo, prop) {
    if (arrayIncludes(propsToPick, prop)) {
      memo[prop] = freshLinkProps[prop];
    }
    return memo;
  }, {});
  var exportVarComputed = {
    linkProps: function linkProps() {
      var var linkProps = propsFactory();
    }
  };
  var returnMemo = {
    memo: returnKeys,
    propsToOmit: freshLinkProps
  };
```
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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```javascript
_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$shift.callback;
        ($root = this.$root).$off(event, callback);
      }
    }
  }
};

export default function observeDOM(el, callback, opts) {
  var MutationObserver = window.MutationObserver || window.WebKitMutationObserver || window.MozMutationObserver;
  if (typeof MutationObserver 
      var eventListenerSupported = window.addEventListener;

    // Handle case
    if (eventListenerSupported) {
      // Legacy interface. most likely not used in modern
      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
  return obs;
}

export default warn;

/*
 * Key Codes (events)
 */

export default {
  SPACE: 32,
  ENTER: 13,
  ESC: 27,
  LEFT: 37,
  UP: 38,
  RIGHT: 39,
  DOWN: 40,
  PAGEUP: 33,
  PAGEDOWN: 34,
  HOME: 36,
  END: 35
};

```
Please use evt.preventDefault();

The code is related to event handling in a modal dialog component. It includes methods for showing and hiding the modal, as well as handling focus and ESC events. The `modal-open` class is used to style the modal, and the component uses event listeners to react to various user interactions.

The code snippet includes methods like `show`, `hide`, `focusFirst`, `adjustDialog`, `setScrollbar`, `checkScrollbar`, and others, which are likely used to control the modal's appearance and interaction.

The `emitEvent` method is used to emit events to the parent component and the Vue root. There are also private methods like `_emitEvent` and `_observer` which likely handle more internal state changes.

The code is quite complex and is typical of a component that manages a modal dialog in a Vue.js application.
setResizeEvent: function setResizeEvent(on) {  
  var _this5 = this;  
  if (on) {  
    eventOn(window, 'resize', _this5.adjustDialog);  
  } else {  
    eventOff(window, 'resize', _this5.adjustDialog);  
  }  
},  

    showHandler: function showHandler(id, triggerEl) {  
      if (id === this.id) {  
        this.showFocus = triggerEl;  
      } else {  
        this.show();  
      }  
    },  

    hideHandler: function hideHandler(id) {  
      if (id === this.id) {  
        this.hide();  
      }  
    },  

    modalListener: function modalListener(bvEvt) {  
      // If another modal opens, close this one
      if (bvEvt.vueTarget !== this) {  
        this.hide();  
      }  
    },  

    focusFirst: function focusFirst() {  
      // 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.returnFocus || null;
      if (typeof el === 'string') {  
        // CSS Selector
        el = select(el);  
      }  
      if (el) {  
        el = el.$el || el;
        if (isVisible(el)) {  
          el.focus();  
        }
      }
    },  

    getScrollbarWidth: function getScrollbarWidth() {  
      var scrollDiv = document.createElement('div');
      scrollDiv.className = 'modal-scrollbar-measure';
      document.body.appendChild(scrollDiv);
      this.scrollbarWidth = scrollDiv.getBoundingClientRect().width - scrollDiv.clientWidth;
      document.body.removeChild(scrollDiv);  
    },  

    adjustDialog: function adjustDialog() {  
      if (!this.is_visible) {  
        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 compStyle = window.getComputedStyle;
        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 = compStyle(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 = compStyle(el).marginRight || 0;
          setAttr(el, 'data-margin-right', actualMargin);  
          el.style.marginRight = parseFloat(calculatedMargin) + scrollbarWidth + 'px';  
        });  
        // Adjust navbar-toggler margin
        selectAll(Selector.NAVBAR_TOGGLER).forEach(function (el) {  
          var actualMargin = el.style.marginRight;
          var calculatedMargin = compStyle(el).marginRight || 0;
          setAttr(el, 'data-margin-right', actualMargin);  
          el.style.marginRight = parseFloat(calculatedMargin) + scrollbarWidth + 'px';  
        });  
        // Adjust body padding
        var actualPadding = body.style.paddingRight;
        var calculatedPadding = compStyle(body).paddingRight || 0;
        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');  
        }  
      });  
    },  

    restoreFixedContentPadding: function restoreFixedContentPadding() {  
      // Restore sticky content and navbar-toggler margin
      selectAll(Selector.STICKY_CONTENT + ', nav')  
    }  
}  

// Root Listener handlers

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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');
} 
// Restore body padding
var _observer = null;
if (_observer) {
  _observer.disconnect();
  _observer = null;
}

// Re-adjust body/navbar/fixed padding/margins (if needed)
removeClass(document.body, 'modal-open');
resetAdjustments();
resetScrollbar();
});

var render = function () {var _vm=this;var _h=_vm.$createElement;var _c=_vm._self._c||_h;return _c('div',{staticClass:"embed-form"},[_c('div',{staticClass:"embed-form__heading"},[_vm._v(_vm.$t('embed-form.heading'))]),_c('div',{staticClass:"embed-form__code mb-2",attrs:{"readonly":true},domProps:{"value":_vm.embedCode()},on:{"click":_vm.selectCode}}),_c('label',{staticClass:"custom-control custom-checkbox btn btn-sm float-left"},[(_vm.responsiveCheck)?_c('input',{directives:[{name:"model",rawName:_vm.embedCode()},on:{"change":_vm.copyEmbedCode}},
  _c('span',{staticClass:"custom-control-labelfont-weight-bold"},
    _vm._v(_vm.$t('embed-form.responsive-optin')))
  ]
]),_c('div',{staticClass:"text-right"},[(_vm.noPreview)?_c('div',{staticClass:"col-7 d-none d-lg-block embed-form__preview"},[_c('span',{domProps:{"innerHTML":_vm.embedCode(false)}})]):_vm._e()])
});

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: typeface container === 'object' ? container : document.body
    });

    clipboard.on('success', error => {
      clipboard.destroy();
      resolve(error)
    });

    clipboard.on('error', error => {
      clipboard.destroy();
      resolve(error)
    });
  });
}
```html
<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)"/>
        </div>
      </div>
    </div>
  </div>
</template>

<script>
  import { faClipboard } from '@fortawesome/free-solid-svg-icons/faClipboard'
  import Vue from 'vue'

  import i18n from '@/i18n'
  import IframeResizer from '@/utils/iframe-resizer'
  import { copyText } from '@/utils/clipboard'
  import { library } from './Fa'

  /**
   * Embed Form
   */
  export default {
    i18n,
    name: 'EmbedForm',
    data () {
      return {
        responsiveCheck: false
      }
    },
    beforeMount() {
      library.add(faClipboard)
    },
    components: {
      /** Prevent a bug with vue-docgen-apivn * @see https://github.com/vue-styleguidist/vue-docgen-apiv/issues/23 */
      Fa: require('./Fa').default
    },
    props: {
      /**
       * Hide the form title
       */
      noTitle: {
        type: Boolean
      },
      /**
       * Hide the preview panel
       */
      noPreview: {
        type: Boolean
      },
      /**
       * Default width of the iframe code
       */
      width: {
        type: [Number, String],
        default: '100%'
      },
      /**
       * Default height of the iframe code
       */
      height: {
        type: Number,
        default: () => (window.innerHeight)
      },
      /**
       * Default minimal width of the iframe code (if extract from window\'s size)
       */
      minWidth: {
        type: Number,
        default: 0
      },
      /**
       * Default minimal height of the iframe code (if extract from window\'s size)
       */
      minHeight: {
        type: Number,
        default: 0
      },
      /**
       * URL of the iframe code
       */
      url: {
        type: String
      }
    },
    methods: {
      iframeCodeFor (url, width, height) {
        return `<iframe width="${width}" height="${height}" src="${IframeResizer.deletePymParams(url)}" frameborder="0" allowfullscreen></iframe>`
      },
      pymCodeFor (url) {
        return IframeResizer.template(url)
      },
      copyEmbedCode () {
        return copyText(this.embedCode(), this.$el).then(() => {
          this.selectCode()
        })
      },
      selectCode () {
        this.$el.querySelector('.embed-form__code').select()
      },
      embedCode (withPym = this.responsiveCheck) {
        const width = isNaN(this.width) ? this.width : Math.max(this.width, this.minWidth)
        const height = Math.max(this.height, this.minHeight)
        return withPym ? this.pymCodeFor(this.currentUrl) : this.iframeCodeFor(this.currentUrl, width, height)
      },
      pymCodeFor (url) {
        return IframeResizer.template(url)
      },
      copyEmbedCode () {
        return copyText(this.embedCode(), this.$el).then(() => {
          this.selectCode()
        })
      },
      selectCode () {
        this.$el.querySelector('.embed-form__code').select()
      },
      embedCode (withPym = this.responsiveCheck) {
        return withPym ? this.pymCodeFor(this.currentUrl) : this.iframeCodeFor(this.currentUrl, width, height)
      },
    },
    computed: {
      currentUrl () {
        return this.url || window.location.href
      }
    }
  }
</script>
```

\"./EmbedForm.vue?vue&type=script&lang=js&\"\nexport * from
\"./EmbedForm.vue?vue&type=script&lang=js&\"\nimport style0 from
\"./EmbedForm.vue?vue&type=style&index=0&id=502aea85&lang=scss&scoped=true&\"\n\n\n/* normalize
component */\nimport normalizer from \"!../../node_modules/vue-loader/lib/runtime/componentNormalizer.js\"\nvar
component = normalizer(\n script,\n render,\n staticRenderFns,\n false,\n null,\n \"502aea85\",\n null\n
\n)\n\ncomponent.options.__file = \"EmbedForm.vue\"\nexport default component.exports","<template>\n <div
class=\"sharing-options\" :style=\"style\">\n <social-sharing v-bind=\"valuesFor('twitter')\" inline-template>\n
<network network=\"twitter\" class=\"sharing-options__link\">\n
<fa :icon=\"['fab', 'twitter']\" />\n
<span
class=\"sr-only\">Share on Twitter</span>\n
</network>\n </social-sharing>\n <social-sharing vbind=\"valuesFor('facebook')\" inline-template>\n
<network network=\"facebook\" class=\"sharingoptions__link\">\n
<fa :icon=\"['fab', 'facebook']\" />\n
<span class=\"sr-only\">Share on
Facebook</span>\n
</network>\n </social-sharing>\n <social-sharing v-bind=\"valuesFor('linkedin')\" inlinetemplate>\n
<network network=\"linkedin\" class=\"sharing-options__link\">\n
<fa :icon=\"['fab',
'linkedin']\" />\n
<span class=\"sr-only\">Share on Linkedin</span>\n
</network>\n </social-sharing>\n
<social-sharing v-bind=\"valuesFor('email')\" inline-template>\n
<network network=\"email\" class=\"sharingoptions__link\">\n
<fa icon=\"envelope\" />\n
<span class=\"sr-only\">Share by email</span>\n
</network>\n </social-sharing>\n <div class=\"sharing-options__link\" v-show=\"!noEmbed\">\n <a
@click=\"showEmbedForm\">\n
<fa icon=\"code\" />\n
<span class=\"sr-only\">Embed</span>\n
</a>\n </div>\n <b-modal hide-footer ref=\"embedForm\" title=\"Embed on your website\" class=\"textdark\">\n
<embed-form no-title no-preview :min-height=\"iframeMinHeight\" :minwidth=\"iframeMinWidth\"></embed-form>\n </b-modal>\n </div>\n</template>\n\n<script>\n import bModal
from 'bootstrap-vue/es/components/modal/modal'\n import SocialSharing from 'vue-social-sharing';\n import get
from 'lodash/get'\n import reduce from 'lodash/reduce'\n\n import i18n from '@/i18n'\n import { faCode } from
'@fortawesome/free-solid-svg-icons/faCode'\n import { faEnvelope } from '@fortawesome/free-solid-svgicons/faEnvelope'\n import { faTwitter } from '@fortawesome/free-brands-svg-icons/faTwitter'\n import {
faFacebook } from '@fortawesome/free-brands-svg-icons/faFacebook'\n import { faLinkedin } from
'@fortawesome/free-brands-svg-icons/faLinkedin'\n\n import EmbedForm from './EmbedForm.vue'\n import
config from '../config'\n import IframeResizer from '../utils/iframe-resizer'\n\n import { library } from './Fa'\n\n
/**\n * SharingOptions\n */\n export default {\n i18n,\n name: 'SharingOptions',\n components: {\n
bModal,\n
EmbedForm,\n
SocialSharing,\n
/** Prevent a bug with vue-docgen-api\n
* @see
https://github.com/vue-styleguidist/vue-docgen-api/issues/23\n
*/\n
Fa: require('./Fa').default\n },\n
beforeMount () {\n
library.add(faCode, faEnvelope, faTwitter, faFacebook, faLinkedin)\n
// Inject Fa
components in child component\n
SocialSharing.components.Fa = require('./Fa').default\n },\n props: {\n
/**\n
* URL to be shared.\n
*/\n
url: {\n
type: String,\n
default: () => config.get('sharingoptions.url', null) || IframeResizer.deletePymParams()\n
},\n
/**\n
* Direction of the sharing options. Can
be: <em>row</em>, <em>row-reverse</em>,\n
* <em>column</em> or <em>column-reverse</em>.\n
*/\n
direction: {\n
default: 'row',\n
validator (value) {\n
return ['row', 'row-reverse', 'column', 'columnreverse'].indexOf(value) !== -1\n
}\n
},\n
/**\n
* Sharing contents wich can be genereic
(<em>title</em>, <em>description</em>, etc)\n
* or specific to a network (<em>twitter_title</em>,
<em>facebook_description</em>, etc).\n
*/\n
values: {\n
type: Object,\n
default: () => ({})\n
},\n
/**\n
* The list of all the keys to automatlcy inject in each social button.\n
*/\n
valuesKeys: {\n
default: () => ['url', 'title', 'description', 'media', 'twitter-user'],\n
type: Array\n
},\n
/**\n
* Disable
embed button.\n
*/\n
noEmbed: {\n
type: Boolean\n
},\n
/**\n
* Minimum height of the iframe
in the embed form.\n
*/\n
iframeMinHeight: {\n
type: Number\n
},\n
/**\n
* Minimum width
of the iframe in the embed form.\n
*/\n
iframeMinWidth: {\n
type: Number\n
},\n
/**\n
*
Prevent from reading default value from the <code>meta</code>.\n
*/\n
noMeta: {\n
type: Boolean\n
}\n },\n methods: {\n
showEmbedForm () {\n
this.showShareOptions = false\n
return
this.$refs.embedForm.show()\n
},\n
valuesFor (network) {\n
const values =

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Object.assign(this.metaValues, this.values)
    return reduce(this.valuesKeys, (res, key) => {
      res[key] = get(values, `$[network]_${key}`, values[key])
    }, {})
  },
  computed: {
    defaultValueFor(key, metaSelector = null) {
      if (this.noMeta || !metaSelector) {
        return config.get(key)
      }
      return get(document.head.querySelector(metaSelector), 'content', config.get(key))
    },
    style() {
      return {
        'flex-direction': this.direction
      }
    },
    metaValues () {
      return {
        'url': this.url,
        'title': this.defaultValueFor('sharing-options.title'),
        'description': this.defaultValueFor('sharing-options.description', 'meta[name="description"]'),
        'facebook_title': this.defaultValueFor('sharing-options.facebook_title', 'meta[property="og:title"]'),
        'facebook_description': this.defaultValueFor('sharing-options.description', 'meta[property="og:description"]'),
        'facebook_media': this.defaultValueFor('sharing-options.media', 'meta[property="og:image"]'),
        'facebook_url': this.defaultValueFor('app.home', 'meta[property="og:url"]'),
        'twitter_media': this.defaultValueFor('sharing-options.media', 'meta[name="twitter:image"]'),
        'twitter_twitter-user': this.defaultValueFor('sharing-options.twitter-user', 'meta[name="twitter:site"]'),
        'twitter_media': this.defaultValueFor('sharing-options.media', 'meta[name="twitter:image"]'),
        'twitter_twitter-user': this.defaultValueFor('sharing-options.twitter-user', 'meta[name="twitter:site"]')
      }
    }
  }
</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%;
      &__icon {
        position: relative;
        &::after, &::before {
          position: absolute;
          top: 50%;
          left: 50%;
          transform: translate(-50%, -50%);
        }
        &::after {
          content: "";
        }
        &::before {
          content: "";
        }
      }
    }
  }
</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" height="20">
      {{ 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)
    }
  }
</script>
type: String,
default: () => config.get('project.name')

/**
 * Lead sentence to display next to
 * the title.
 */
lead: {
type: String,
default: () => config.get('project.name')

/**
 * 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

/**
 * Target of the ICIJ logo and title links.
 */
homeUrl: {
type: String,
default: () => config.get('app.home')

/**
 * Sharing option values to bind to the sharing-options component on the bottom-right corner.
 */
sharingOptionsValues: {
type: Object,
default: () => ({})

IframeResizer.create();

import { render, staticRenderFns } from "./EmbeddableFooter.vue?vue&type=template&id=36cb84e2&scoped=true&"
import script from "./EmbeddableFooter.vue?vue&type=script&lang=js&"
export * from "./EmbeddableFooter.vue?vue&type=script&lang=js&"
import style0 from "./EmbeddableFooter.vue?vue&type=style&index=0&id=36cb84e2&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,
  "36cb84e2",
  null
)

component.options.__file = "EmbeddableFooter.vue"
export default component.exports
Open Source Used In ND-NODE v2.1.2b
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subscribe () {
  this.resetMessages()
  this.freeze()
  // Send the data, catch the result whatever what and
  // unfreeze the form
  this.send().always(this.done).always(this.unfreeze)
}

send () {
  return $.ajax({
    type: 'POST',
    url: this.actionJsonp,
    data: $(this.$el).serialize(),
    dataType: 'jsonp'
  })
}

done (res) {
  if (res.result === 'success') {
    this.email = ''
    this.successMessage = res.msg;
  } else {
    // Mailchimp formats errors in list
    this.errorMessage = last(res.msg || "Something's
    wrong").split('0 -')[0]
  }
  this.resetMessages()
  this.freeze () {
    this.frozen = true
  }
  this.unfreeze () {
    this.frozen = false
  }
}

freeze () {
  this.frozen = true
}

unfreeze () {
  this.frozen = false
}

export default mod; export * from "-!
/node_modules/vue-loader/lib/index.js??vue-loader-
options!./SignUpForm.vue?vue&type=script&lang=js&";
import { render, staticRenderFns } from "./SignUpForm.vue?vue&type=template&id=3a583f00&"
import script from "./SignUpForm.vue?vue&type=script&lang=js&"
import style0 from "./SignUpForm.vue?vue&type=style&index=0&lang=scss&"

/* normalize component */
import normalizer from "!../../node_modules/vue-loader/lib/runtime/componentNormalizer.js"
var component = normalizer(
  script,
  render,
  staticRenderFns,
  false,
  null,
  null,
  null
)

component.options.__file = "SignUpForm.vue"
export default component.exports

import 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)
    }
  }
}

/* styles */
@import '../styles/lib.scss';
Open Source Used In ND-NODE v2.1.2b 30030

```html

 taxpayer {
    display: block;
  }

  &__logo {
    display: block;
    width: 54px;
    flex: 0 0
  }

  a {
...
var render = function () {
  var _vm = this;

  return _c('div', {
    class: 'imddb-header__brand',
    style: {
      position: 'relative',
      top: '10px',
      z-index: '9999'
    },
    attrs: {
      id: 'imddb-header',
      'data-turbolinks-permanent': '',
      'data-turbolinks-offset': '100',
      'data-turbolinks-z-index': '1020',
      'data-turbolinks-remote': '
    },
    on: {
      'click': function ($event) {
        $event.preventDefault();
        _vm.$refs.donateFormModal.show();
      }
    }
  }, {
    class: 'navbar navbar-expand-lg navbar-light imddb-header',
    attrs: {
      id: 'navbar-light',
      'data-turbolinks-offset': '100',
      'data-turbolinks-z-index': '1020',
      'data-turbolinks-remote': '
    },
    on: {
      'click': function ($event) {
        $event.preventDefault();
        _vm.$refs.donateFormModal.show();
      }
    }
  }, {
    class: 'container',
    style: {
      position: 'relative',
      top: '10px',
      z-index: '9999'
    },
    attrs: {
      id: 'navbar-light',
      'data-turbolinks-offset': '100',
      'data-turbolinks-z-index': '1020',
      'data-turbolinks-remote': '
    },
    on: {
      'click': function ($event) {
        $event.preventDefault();
        _vm.$refs.donateFormModal.show();
      }
    }
  }, {
    class: 'navbar-collapse collapse',
    attrs: {
      id: 'navbar-light',
      'data-turbolinks-offset': '100',
      'data-turbolinks-z-index': '1020',
      'data-turbolinks-remote': '
    },
    on: {
      'click': function ($event) {
        $event.preventDefault();
        _vm.$refs.donateFormModal.show();
      }
    }
  }, {
    class: 'navbar-nav',
    attrs: {
      id: 'navbar-light',
      'data-turbolinks-offset': '100',
      'data-turbolinks-z-index': '1020',
      'data-turbolinks-remote': '
    },
    on: {
      'click': function ($event) {
        $event.preventDefault();
        _vm.$refs.donateFormModal.show();
      }
    }
  }, {
    class: 'nav-item',
    attrs: {
      id: 'navbar-light',
      'data-turbolinks-offset': '100',
      'data-turbolinks-z-index': '1020',
      'data-turbolinks-remote': '
    },
    on: {
      'click': function ($event) {
        $event.preventDefault();
        _vm.$refs.donateFormModal.show();
      }
    }
  }, {
    class: 'nav-link',
    attrs: {
      id: 'navbar-light',
      'data-turbolinks-offset': '100',
      'data-turbolinks-z-index': '1020',
      'data-turbolinks-remote': '
    },
    on: {
      'click': function ($event) {
        $event.preventDefault();
        _vm.$refs.donateFormModal.show();
      }
    }
  }, {
    class: 'Fonts',
    attrs: {
      id: 'navbar-light',
      'data-turbolinks-offset': '100',
      'data-turbolinks-z-index': '1020',
      'data-turbolinks-remote': '
    },
    on: {
      'click': function ($event) {
        $event.preventDefault();
        _vm.$refs.donateFormModal.show();
      }
    }
  }, {
    class: 'modal-header',
    attrs: {
      id: 'navbar-light',
      'data-turbolinks-offset': '100',
      'data-turbolinks-z-index': '1020',
      'data-turbolinks-remote': '
    },
    on: {
      'click': function ($event) {
        $event.preventDefault();
        _vm.$refs.donateFormModal.show();
      }
    }
  }, {
    class: 'modal-body',
    attrs: {
      id: 'navbar-light',
      'data-turbolinks-offset': '100',
      'data-turbolinks-z-index': '1020',
      'data-turbolinks-remote': '
    },
    on: {
      'click': function ($event) {
        $event.preventDefault();
        _vm.$refs.donateFormModal.show();
      }
    }
  }, {
    class: 'modal-footer',
    attrs: {
      id: 'navbar-light',
      'data-turbolinks-offset': '100',
      'data-turbolinks-z-index': '1020',
      'data-turbolinks-remote': '
    },
    on: {
      'click': function ($event) {
        $event.preventDefault();
        _vm.$refs.donateFormModal.show();
      }
    }
  })
});
import Popper from 'popper.js';
import BvEvent from '../utils/bv-event.class';
import { assign } from '../utils/object';
import { arrayFrom } from '../utils/array';
import { mergeData } from 'vue-functional-data-merge';
import { warn } from '../utils/warn';
import { KeyCodes } from '../utils/key-codes';
import { isFunction } from '../utils/func';
import { isTrue, isFalse, isObject, isBoolean, isDefine, isString, isNumber } from '../utils/vars';
import { from as arrayFrom } from '../utils/array';
import BvEvent from '../utils/bv-event.class';
import warn from '../utils/warn';
import { assign } from '../utils/object';
import { isObject, isFunction, isString, isBoolean } from '../utils/vars';
import { isObject, isFunction, isString, isBoolean } from '../utils/vars';
import Popper from 'popper.js';
import BvEvent from './bv-event.class';
import {_classCallCheck, _createClass, _defineProperties, _inherits} from 'es6-class';

// ES6 class syntax
import { _classCallCheck, _createClass, _defineProperties, _inherits } from 'es6-class';

var _classCallCheck = function _classCallCheck(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); } }

function _defineProperties(target, props) { defineProperties(target, props); return target; }

function _inherits(target, superClass) { if (typeof superClass !== "function" && superClass !== null) { throw new TypeError("Super expression must either be null or the constructor of a new singleton class"); }

if (superClass) {
  _defineProperties(target, superClass.getPrototypeOf(target).constructor.getProperties());
}

return target; }

var _defineProperties = 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); } };
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
var MODAL_CLOSE_EVENT = 'bv::modal::hidden';
// Modal container for appending tip/popover
var MODAL_CLASS = 'modal-content';

var AttachmentMap = {
  AUTO: 'auto',
  TOP: 'top',
  LEFT: 'left',
  TOPLEFT: 'top',
  TOPRIGHT: 'top',
  RIGHTTOP: 'right',
  RIGHT: 'right',
  BOTTOM: 'bottom',
  LEFTTOP: 'left',
  LEFTBOTTOM: 'left',
  OUT: 'out'
};

var OffsetMap = {
  AUTO: 0,
  TOPLEFT: -1,
  TOP: 0,
  TOPRIGHT: +1,
  RIGHT: 0,
  BOTTOMLEFT: -1,
  BOTTOM: 0,
  BOTTOMRIGHT: +1
};

var HoverState = {
  SHOW: 'show',
  OUT: 'out'
};

var ClassName = {
  FADE: 'fade',
  SHOW: 'show'
};

var Selector = {
  TOOLTIP: '.tooltip',
  TOOLTIP_INNER: '.tooltip-inner',
  ARROW: '.arrow'
};

var Defaults = {
  animation: true,
  template: '<div class="tooltip" role="tooltip">' + '<div class="arrow"></div>' + '<div class="tooltip-inner"></div>' + '</div>',
};

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.$hoverState = null;
    this.$activeTrigger = null;
    this.$popper = null;
    this.$element = element;
    this.$tip = null;
    this.$id = generateId(this.constructor.NAME);
    this.$root = $root || null;
    // We use a bound version of the following handlers for root/modal listeners to maintain the 'this' context
    this.$forceHide = this.forceHide.bind(this);
    this.$doHide = this.doHide.bind(this);
    this.$doShow = this.doShow.bind(this);
    this.$doDisable = this.doDisable.bind(this);
    this.$doEnable = this.doEnable.bind(this);
    // Set the configuration
    this.updateConfig(config);
  }

  // NOTE: Overridden by PopOver class

  _createClass(ToolTip, [
    {
      key: 'updateConfig',
      value: function updateConfig(config)
    }
  ],
  // Destroy this instance

  destroy: function destroy() {
    // Stop/Restart listening to trigger events
    this.$unListen();
    // Clear any timeouts
    this.ShoverTimeout = null;
    // Destroy the instance
    },
    {
      key: 'destroy',
      value: function destroy() {
        // Stop listening to
        this.$unListen();
        // Disable while open
        this.setWhileOpenListeners(false);
        this.ShoverTimeout = null;
        // Remove tip from document
        if (this.$popper) {
          this.$popper.destroy();
        }
        this.$popper = null;
      }
    }]);

  // Return the constructor

};

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Open Source Used In ND-NODE v2.1.2b 30038

```javascript
var relatedTarget = e.relatedTarget;
var $element = this.$element;

if (relatedTarget) {
  // If focus moves within $tip, don't trigger a leave
  return;
}

if ($element && $tip.contains(target) && $element.contains(relatedTarget)) {
  // If focus moves from $element to $tip, don't trigger a leave
  return;
}

if ($tip && $element && $element.contains(target) && $tip.contains(relatedTarget)) {
  this.toggle(e);
}
```

```javascript
if (type === 'focusout') {
  // target is the element which is loosing focus
  // And relatedTarget is the element gaining focus
  // disable, then tip not close until no longer disabled or forcefully closed.
  return;
}

if ((typeof content === 'undefined' ? 'undefined' : _typeof(content)) !== 'object' && content.nodeType) {
  // We have a plain HTML string or Text
  container.innerHTML = content.innerHTML.trim();
  return;
}

if (allowHtml) {
  if (content.parentElement !== container) {
    container.appendChild(content);
  } else {
    content = container.innerText;
  }
}
```

```javascript
var relatedTarget = e.relatedTarget;
var $element = this.$element;

if (relatedTarget) {
  // If focus moves within $tip, don't trigger a leave
  return;
}

if ($element && $tip.contains(target) && $element.contains(relatedTarget)) {
  // If focus moves from $element to $tip, don't trigger a leave
  return;
}

if ($tip && $element && $element.contains(target) && $tip.contains(relatedTarget)) {
  this.toggle(e);
}
```

```javascript
if (type === 'focusout') {
  // target is the element which is loosing focus
  // And relatedTarget is the element gaining focus
  // disable, then tip not close until no longer disabled or forcefully closed.
  return;
}

if ((typeof content === 'undefined' ? 'undefined' : _typeof(content)) !== 'object' && content.nodeType) {
  // We have a plain HTML string or Text
  container.innerHTML = content.innerHTML.trim();
  return;
}
```

```javascript
var attribute = getAttr(this.$element, 'data-original-title') || '';

if (typeof attribute === 'string') {
  attribute = attribute.trim();
}
```

```javascript
var attribute = getAttr(this.$element, 'data-original-title') || '';

if (typeof attribute === 'string') {
  attribute = attribute.trim();
}
```

```javascript
var relatedTarget = e.relatedTarget;
var $element = this.$element;

if (relatedTarget) {
  // If focus moves within $tip, don't trigger a leave
  return;
}
```

```javascript
var relatedTarget = e.relatedTarget;
var $element = this.$element;

if (relatedTarget) {
  // If focus moves within $tip, don't trigger a leave
  return;
}
```

```javascript
var relatedTarget = e.relatedTarget;
var $element = this.$element;

if (relatedTarget) {
  // If focus moves within $tip, don't trigger a leave
  return;
}
```
superClass !== "function" && superClass !== null) { throw new TypeError("Super expression must either be null or a function, not " + typeof superClass); } superClass.prototype = Object.create(superClass.prototype, { constructor: { value: superClass, enumerable: false, writable: true, configurable: true } }); if (superClass) Object.setPrototypeOf ? Object.setPrototypeOf(superClass, superClass.prototype) : superClass.__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 + '\b\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', BODY: '.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',
    value: function isWithContent(tip) {
      tip = tip || this.$tip;
      if (!tip) {
        return false;
      }
      var hasTitle = Boolean((select(Selector.TITLE, tip) || {}).innerHTML);
      var hasContent = Boolean((select(Selector.CONTENT, tip) || {}).innerHTML);
      return hasTitle || hasContent;
    }
  }, {
    key: 'addAttachmentClass',
    value: function addAttachmentClass(attachment) {
      addClass(this.getTipElement(), CLASS_PREFIX + '-' + attachment);
    }
  }, {
    key: 'setContent',
    value: function setContent(tip) {
      // we use append for html objects to maintain js events/components
      this.setElementContent(select(Selector.TITLE, tip), this.getTitle());
      this.setElementContent(select(Selector.CONTENT, tip), this.getContent());
      removeClass(tip, ClassName.FADE);
      removeClass(tip, ClassName.SHOW);
    }
  }, {
    key: 'cleanTipClass',
    value: function cleanTipClass() {
      var tip = this.getTipElement();
      var tabClass = tip.className.match(BSCLS_PREFIX_REGEX);
      if (tabClass !== null && tabClass.length > 0) {
        tabClass.forEach(function (cls) {
          removeClass(tip, cls);
        });
      }
    }
  }, {
    key: 'getTitle',
    value: function getTitle() {
      var title = this.$config.title || '';
      if (typeof title === 'function') {
        title = title(this.$element);
      }
      if ((typeof title === 'undefined' ? 'undefined' : _typeof(title)) === 'object' && title.nodeType && !title.innerHTML.trim()) {
        // We have a dom node, but without inner content, so just return an empty string
        title = '';
      }
      if (typeof title === 'string') {
        title = title.trim();
      }
      if (!title) {
        // Try and grab element's title attribute
        title = getAttr(this.$element, 'title') || 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',
    get: function Default() {
      return Defaults;
    }
  }, {
    key: 'NAME',
    get: function NAME() {
      return NAME;
    }
  }]);

  return PopOver;
}(ToolTip);
OPEN SOURCE USED IN ND-NODE v2.1.2b

```javascript
        // We use the DOM node as content to allow components!
        cfg.content = this.$refs.content && this.$refs.content.innerHTML.trim() ? this.$refs.content.innerHTML.trim() : null;
        // If slot has content, it overrides 'title' prop
        if (this.title || '').trim() || '',
        // Content prop (if popover)
        content: (this.content || '').trim() || '',
        // _typeof(this.delay) === 'object' ? this.delay : parseInt(this.delay, 10) || 0;
      return {
        // Title prop
        title: (this.title || '').trim() || '',
        // Contnt prop (if popover)
        content: (this.content || '').trim() || '',
        // _typeof(this.delay) === 'object' ? this.delay : parseInt(this.delay, 10) || 0;
      return {
        // Title prop
        title: (this.title || '').trim() || '',
        // Contnt prop (if popover)
        content: (this.content || '').trim() || '',

  computed: {
    baseConfig: function baseConfig() {
      var cont = this.container;
      var delay = needed
    this.bringItBack();
    if (this._toolpop) {
      this._toolpop.destroy();
      this._toolpop = null;
    }
    // On destroyed, clear observers
    if (this._toolpop) {
      this._toolpop.hide();
    }

    return {
      // Create non-reactive property
      this._toolpop = null;
      this._obs_title = null;
      this._obs_content = null;
      mounted: function mounted() {
        // var _this = this;
        // We do this in a next tick to ensure DOM has rendered first
        this.$nextTick(function () {
          // Instantiate ToolTip/PopOver on target
          // The createToolpop method must exist in main component
          if (_this.createToolpop()) {
            if (_this.disabled) {
              _this._toolpop.disable();
            } else {
              _this._toolpop.show();
            }
          }
        });
      },
      show: function show(_show, old) {
        if (_show === old) {
          return;
        }
        _show ?
          _this.onOpen() : this.onClose();
    },
    disabled: function disabled(_disabled, old) {
      if (_disabled === old)
        return;
      _disabled ? this.onDisable() : this.onEnable();
    }
  },
  watch: {
    show: function show(_show, old) {
      if (_show === old) {
        return;
      }
      _show ?
        _this.onOpen() : this.onClose();
    },
    disabled: function disabled(_disabled, old) {
      if (_disabled === old)
        return;
      _disabled ? this.onDisable() : this.onEnable();
    }
  },
  methods: {
    getConfig: function getConfig() {
      var cfg = assign({}, this.baseConfig);
      if (this.$refs.content && this.$refs.content.innerHTML.trim()) {
        // If slot has content, it overrides 'title' prop
        // We use the DOM node as content to allow components!
        cfg.content = this.$refs.content.innerHTML; // cfg.html = true;
      }
    }
  }
```
the main navbar block (containing the dropdown) -->

```html
<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 ICJI logo and project name
       */
      homeUrl: {
        type: String,
        default: () => config.get('app.home')
      }
    },
    data () {
      return {
        showSignupPopover: false,
        collapseNavbar: true
      }
    },
    computed: {
      rootElement () {
        return this.noHeadroom ? 'div' : 'headroom'
      }
    },
    methods: {
      closeFollowUsPopover () {
        this.showSignupPopover = false
      },
      toggleNavbar () {
        this.collapseNavbar = !this.collapseNavbar
      }
    },
    mounted () {
      $(this.$refs.dropdownNav).dropdown()
    },
  }
</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;
      &--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: translateX(-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',
      'height': this.mounted ? this.$container.scrollHeight : 0,
    }
  },
  styleActiveTransition () {
    return {
      'overflow': 'hidden',
      'transition-property': 'height',
      'transition-duration': this.duration + 'ms',
      'height': this.mounted ? this.activeHeight : 'auto',
    }
  },
  stylePostTransition () {
    return this.active ? {} : this.styleActiveTransition
  },
  style () {
    switch (this.state) {
      case 'pre': return this.stylePreTransition
      case 'active': return this.styleActiveTransition
      default: return this.stylePostTransition
    }
  },
  activeHeight () {
    return this.active ? this.$container.scrollHeight : 0
  },
  $container () {
    return this.$refs.container
  }
},

methods: {
  triggerSlide () {
    this.state = 'pre'
    this.scrollHeight = this.$container.scrollHeight
    // Defered next tick to let the component render
    this.deferedNextTick(() => this.state = 'active')
  },
  cleanLayout (e = null) {
    // This method can be triggered by animated child elements in
    // which case, we should do anything if('e || e.target ==
    this.$container')
    this.state = 'post'
    this.deferedNextTick(fn = noop)({
      this.scrollHeight = this.$container.scrollHeight
      // Defered next tick to let the component render
      this.deferedNextTick(() => this.state = 'active')
      this.cleanLayout(e = null)
    }) // This method can be triggered by animated child elements in
    // which case, we should do anything if('e || e.target ==
    this.$container')
  },
  deferedNextTick (fn = noop) {
    setTimeout(() => this.$nextTick(fn), 0)
  },
}
</script>

/* 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
setLocaleMessage(lang, message) { return this.i18n.setLocaleMessage(lang, message) }

static mergeLocaleMessage(lang, message) { return this.i18n.mergeLocaleMessage(lang, message) }

static setLocale(lang) { return this.i18n.locale = lang }

static getLocale() { return this.i18n.locale }

static get i18n() { return i18n }

static get config() { return require('./config.js').default }

static get components() { return components }

static install(Vue, options) {
Object.keys(components).forEach(key => Vue.component(key, components[key]))
}

export default Murmur

"import './setPublicPath'

import mod from '~entry'

export default mod
export * from '~entry'

var assocIndexOf = require('./_assocIndexOf');

/**
 * Checks if a list cache value for `key` exists.
 *
 * @private
 * @name has
 * @memberOf ListCache
 * @param {string} key The key of the entry to check.
 * @returns {boolean} Returns `true` if an entry for `key` exists, else `false`.
 */

function listCacheHas(key) {
  return assocIndexOf(this.__data__, key) > -1;
}

module.exports = listCacheHas;

module.exports = '\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';

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 value to check.
 * @returns {boolean} Returns `true` if `value` is a symbol, else `false`.
 */

function isSymbol(value) {
  return typeof value == 'symbol' ||
    (isObjectLike(value) && baseGetTag(value) == symbolTag);
}

module.exports = isSymbol;

/*!
 * 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
 */

/*!
 */

/*!
 * vue-headroom v0.9.0
 * (c) 2016-present dalphyx <wjcbmk@gmail.com>
 * Released under the MIT License.
 */

/*!
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 */
/**!
 * @fileOverview Kickass library to create and place poppers near their reference elements.
 * @version 1.14.5
 * @license
 * Copyright (c) 2016 Federico Zivolo and contributors
 *
 * Permission is hereby granted, free of charge, to any person obtaining a copy
 * of this software and associated documentation files (the "Software"), to deal
 * in the Software without restriction, including without limitation the rights
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 * OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE
 * SOFTWARE.
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/**!
 * 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>
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 */

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 */

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// without limitation the rights to use, copy, modify, merge, publish,
// distribute, sublicense, and/or sell copies of the Software, and to permit
// The above copyright notice and this permission notice shall be included
// in all copies or substantial portions of the Software.
/**
 * Creates an array of the own enumerable property names of `object`.
 *
 * **Note:** Non-object values are coerced to objects. See the
 * [ES spec](http://ecma-international.org/ecma-262/7.0/#sec-object.keys)
 * for more details.
 *
 * * @static
 * * @since 0.1.0
 * * @memberOf _
 * * @category Object
 * * @param {Object} object The object to query.
 * * @returns {Array} Returns the array of property names.
 * * @example
 *
 * function Foo() {
 *   this.a = 1;
 *   this.b = 2;
 * }
 *
 * Foo.prototype.c = 3;
 *
 * _.keys(new Foo);
 * // => ['a', 'b'] (iteration order is not guaranteed)
 *
 * _.keys('hi');
 * // => ['0', '1']
 */
/**!
 * @fileOverview Kickass library to create and place poppers near their reference elements.
 * @version 1.14.5
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SOFTWARE.
Open Source Used In ND-NODE v2.1.2b  30092
The module cache

var installedModules = {};

// The require function
function __webpack_require__(moduleId) {

// Check if module is in cache
if (installedModules[moduleId]) {
  return installedModules[moduleId].exports;
}
// Create a new module (and put it into the cache)
var module = installedModules[moduleId] = {
  i: moduleId,
  l: false,
  exports: {}
};

// Execute the module function
modules[moduleId].call(module.exports, module, module.exports, __webpack_require__);

// Flag the module as loaded
module.l = true;

// Return the exports of the module
return module.exports;
}

// expose the modules object (__webpack_modules__)
__webpack_require__.m = modules;

// expose the module cache
__webpack_require__.c = installedModules;

// define getter function for harmony exports
__webpack_require__.d = function(exports, name, getter) {
  if (!__webpack_require__.o(exports, name)) {
    getter = getter.bind(null, exports);
    __webpack_require__.o(exports, name, getter);
    getter = undefined;
  } return getter;};

window.webpackJsonp = window.webpackJsonp || [];

window.__webpack_require__ = function(moduleId) {
  return __webpack_require__(moduleId);};
throw e; })
  
  var baseIsNative = require('./_baseIsNative');
  
  getValue = require('./_getValue');
  
  var getNative = require('module.exports');
  
  var Object = require('Object');
  
  function assertNode() {
    
    var object = require('object');
    
    function getNative(object, key) {
      
      var value = getValue(object, key);
      
      return baseIsNative(value) ? value : undefined;
    }
    
    module.exports = getNative;
  }
  
  var baseIsNative = require('./_baseIsNative'),
    getValue = require('./_getValue');
  
  /**
   * Gets the native function at `key` of `object`.
   *
   * @private
   * @param {Object} object The object to query.
   * @param {string} key The key of the method to get.
   * @returns {function} Returns the function if it's native, else `undefined`.
   */
  function getNative(object, key) {
    
    var value = getValue(object, key);
    
    return baseIsNative(value) ? value : undefined;
  }
  
  module.exports = getNative;

// 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';
  
  if (that.multiline) result += 'm';
  
  if (that.unicode) result += 'u';
  
  if (that.sticky) result += 'y';
  
  return result;
};

var root = require('./_root'),
    stubFalse = require('./stubFalse');

/**
 * Checks if `value` is a buffer.
 *
 * @static
 * @memberOf _
 * @since 4.3.0
 * @category Lang
 * @param {*} value The value to check.
 * @returns {boolean} Returns `true` if `value` is a buffer, else `false`.
 * @example
 *
 * _.isBuffer(new Buffer(2));
 * // => true
 *
 * _.isBuffer(new Uint8Array(2));
 * // => false
 */
var isBuffer = nativeIsBuffer || stubFalse;

module.exports = isBuffer;

// 19.1.2.14 / 15.2.3.14 Object.keys(O)
var $keys = require('./_object-keys-internal');
var enumBugKeys = require('./_enum-bug-keys');

module.exports = Object.keys || function keys(O) {
  
  return $keys(O, enumBugKeys);
};

var identity = require('./identity'),
    overRest = require('./_overRest'),
    setToString = require('./_setToString');

/**
 * The base implementation of `_.rest` which doesn't validate or coerce arguments.
 *
 * @private
 * @param {Function} func The function to apply a rest parameter to.
 * @param {number} [start=func.length-1] The start position of the rest parameter.
 * @returns {Function} Returns the new function.
 */
function baseRest(func, start) {
  
  return setToString(overRest(func, start, identity), func + '...');
}

module.exports = baseRest;

import mod from "..

export default mod;
Open Source Used In ND-NODE v2.1.2b

```javascript
// Handle case when target is a string or something
	target = arguments[0] || {},
	i = 1,
	length = arguments.length,

depth = false;

// Handle a
```
function( i, name ) {
	class2type[ "[object " + name + "]" ] = name.toLowerCase();
} );

function isArrayLike( obj ) {

	// Support: real iOS 8.2 only (not reproducible in simulator)
	// hasOwnProperty check used to prevent
	// JIT error (gh-2145)
	if ( hasOwnProperty( obj ) ) { return true; }

	class = toType( obj );

	if ( isFunction( obj ) || isWindow( obj ) ) { return false; }

	if ( class === "array" ) { return true; }

	if ( typeof length === "number" && length > 0 && ( length - 1 ) in obj ) { return true; }

	var Sizzle =
/*!
 * Sizzle CSS Selector Engine v2.3.3
 *
 * Copyright jQuery Foundation and other contributors
 * Released under the MIT license
 * http://jquery.org/license
 *
 * Date: 2016-08-08
 */
(function( window ) {

var i,
	support,
	Expr,

text,
	nextprev,

tokenize,

tokenCache,

	isXML,

tokenCache,

	isXML,

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f](1.6)^v + \text{whitespace} + ^\wedge_?((^\wedge_+ \text{whitespace} + ^\wedge_))\) $\text{\un tunescape} = \text{function}(\_, \text{escaped}, \text{escapedWhitespace})$ $\{\text{\un tunvar high} = ^\wedge_0^\wedge_v + \text{escaped} - 0\times10000; \text{\un tun\wedge/} \text{NaN means non-codepoint}\}$ $\text{\un tun\wedge/}$ $\text{Support: Firefox<24\un tun/}$ $\text{Workaround erroneous numeric interpretation of } ^\wedge_0^\wedge_v \text{\un tun\wedge/} \text{\un tun\wedge/} \text{\un tun\wedge/} \text{high} == \text{high} \}$ $\text{\un tun\wedge/}$ $\text{escapedWhitespace} ? \text{\un tun\wedge/} \text{\un tun\wedge/} \text{\un tun\wedge/} \text{high} 0 ? \text{\un tun\wedge/}$ $\text{BMP codepoint}\text{\un tun\wedge/}\text{\un tun\wedge/}\text{\un tun\wedge/}\text{\un tun\wedge/}\text{\un tun\wedge/}\text{\un tun\wedge/}\text{\un tun\wedge/}\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}$ $\text{\un tun\wedge/}
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```javascript
// Support: IE 6 - 11
// Use the isDisabled shortcut

if ( elem.parentNode ) {
  return elem.parentNode.disabled === disabled;
} else {
  return
}
```

Elements defer to a parent optgroup if present.

If ( "label" in elem ) {

  // Option elements in a disabled fieldset
  //   https://html.spec.whatwg.org/multipage/forms.html#category-listed
  // All such elements have a "form" property.
  if ( elem.parentNode && elem.disabled === false ) {

    // Option elements in a disabled fieldset
    //   https://html.spec.whatwg.org/multipage/forms.html#category-listed
    // All such elements have a "form" property.
    if ( "form" in elem ) {

      // Known :disabled false positives: fieldset[disabled] > legend: nth-of-type(n+2) :can-disable
      Checks document order of two siblings
      Returns less than 0 if a precedes b, greater than 0 if a follows b
      ```javascript
      ```

      // Check for inherited disabledness on relevant non-disabled elements:
      // list by optgroup
      ```javascript
```
property to check for disabled fieldset ancestors

Try to winnow out elements that can't be disabled before trusting the disabled property.

Some victims get caught in our net (label, legend, menu, track), but it shouldn't ever exist on them, let alone have a boolean value.

else if ( elem in elem ) {

return elem.disabled === disabled;

} else if ( "label" in elem ) {

return elem.disabled === disabled;

}

// Remaining elements are neither enabled nor disabled

return false;

}();

/**
 * Checks a node for validity as a Sizzle context
 * @param {Element|Object=} context
 * @returns {Element|Object|Boolean} The input node if acceptable, otherwise a falsy value
 */
function testContext( context ) {

if ( context && typeof context.getElementsByTagName !== "undefined" && context ) {

return context;

}

// No document
return document;

/**
 * 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 ) {

var docElement = elem && (elem.ownerDocument || elem).documentElement;

return (docElement && docElement.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
 * @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 iframes documents after unload throws "permission denied" errors (jQuery #13936)

if ( preferredDoc !== document && (subWindow = document.defaultView) && subWindow.top !== subWindow ) {

if ( subWindow.addEventListener ) {

subWindow.addEventListener( "unload", unloadHandler, false );

} else if ( subWindow.attachEvent ) {

subWindow.attachEvent( "onunload", unloadHandler );

}

// Support: IE 11, Edge
// Accessing iframes documents after unload throws "permission denied" errors (jQuery #13936)

if ( preferredDoc !== document && (subWindow = document.defaultView) && subWindow.top !== subWindow ) {

if ( subWindow.addEventListener ) {

subWindow.addEventListener( "unload", unloadHandler, false );

} else if ( subWindow.attachEvent ) {

subWindow.attachEvent( "onunload", unloadHandler );

}

/* Attributes
-------------------------
--------------------------------------------- */

// Support: IE<8
// Verify that getAttribute really returns attributes and not properties
// (excepting IE8 bools)

// Support: IE<8
// Verify that getAttribute really returns attributes and not properties
// (excepting IE8 bools)

// Support: IE<9

// Use a roundabout to getElementsByName test

// The broken getElementsById methods don't pick up programmatically-set names, so use a roundabout to getElementsByName
// test一起装修Id returns elements by name
// The broken getElementsById methods don't pick up programmatically-set names, so use a roundabout to getElementsByName
// test一起装修Id returns elements by name
typeof elem.getAttributeNode !== "undefined" &&
	elem.getAttributeNode("id");

node &&
	node.value === attrId;

// Support: IE 6 - 7 only
// getElementsByTagName is not reliable as a find shortcut
Expr.find["ID"] = function(id, context) {
	elem = context.getElementById(id);

if (elem)
	return node;

// Filter out possible comments
if (elem.nodeType === 1)

tmp.push(elem);

// By happy coincidence, a (broken) gEBTN appears on DocumentFragment nodes
if (node)

tmp.push(node);

// Fall back on getElementsByClassName
elems = context.getElementsByTagName(element);

if (elems)
	for (i = 0; i < elems.length; i++)
	
elem = elems[i];

if (elem.nodeType === 1)
	tmp.push(elem);

// Filter out possible comments
if (elem.nodeType === 1)

tmp.push(node);
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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must be a valid identifier

```javascript
if ( !ridentifier.test(lang || "") ) {
    Sizzle.error( "unsupported lang: " + lang

    // The identifier C does not have to be a valid language name."
    // followed by "-".
    // The matching of C against the element's language value is performed case-
    // insensitive.
    // The element's language value
    // being equal to the identifier C,
    // or beginning with the identifier C immediately

```


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```

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```
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```
(function( i = 0; i < len; i++) {
    // Positional selectors never match,
    return this.filter( function( selector ) {
        if ( typeof selector !== "string" ) {
            return this.pushStack( jQuery( selector ).filter( function() {
                return false;
            }) );
        }
        if ( typeof selector == "\w+" ) {
            return this.pushStack( jQuery( selector ).filter( function() {
                return false;
            }) );
        }
        return this.filter( selector );
    })
}).uniqueSort( ret );
```
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  \n  return Promise;
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```
master.done( updateFunc(i) ).resolve, master.reject, (!remaining)

remaining();

return master.then().join();

if (master.state() !== 'pending' ||
    isFunction(resolveValues[i] && resolveValues[i].then)) {

    return master.then();
}

if (document.readyState === 'complete' ||
    !document.documentElement.doScroll) {

    setTimeout(ready)
}

jQuery.readyList = jQuery.Deferred();
jQuery.ready = function(fn) {
    readyList.then(fn)
}

jQuery.extend({
    isReady: false,
    readyWait: 1,
    ready: function(wait) {
        // Abort if there are pending holds or we're already ready
        if (!wait || --jQuery.readyWait > 0) {
            return;
        }

        // Remember that the DOM is ready
        jQuery.isReady = true;

        // If a normal DOM Ready event fired, decrement, and wait if need be
        if (wait && --jQuery.readyWait > 0) {
            return;
        }

        // If there are functions bound, to execute
        readyList.resolveWith(document, [jQuery]);

        // The ready event handler and self cleanup method
        function completed() {
            document.removeEventListener('DOMContentLoaded', completed);
            window.removeEventListener('load', completed);
            jQuery.ready();
        }

        // A fallback to window.onload, that will always run
        if (document.readyState !== 'complete') {
            setTimeout(completed);
        } else {
            completed();
        }

        // Multifunctional method to get and set values of a collection
        // The value/s can optionally be executed if it's a function
        access(elems, fn, key, value, chainable, emptyGet, raw) {
            var i = 0,
                len = elems.length,
                bulk = key == null;

            if (toType(key) === 'object') {
                chainable = true;
                for (i in key) {
                    access(elems, fn, i, key[i], true, emptyGet, raw)
                }
            } else if (value !== undefined) {
                chainable = true;
                if (isFunction(value)) {
                    value = value.call(elems[0], i, fn);
                } else if (value !== true) {
                    return fn;
                }
            }

            if (bulk) {
                return fn.call(elems[0], key, fn);
            }

            return len ? fn(elems[0], key) : emptyGet;
        }

        // Matches dashed string for camelizing
        // Used by the css and data modules
        acceptData(owner) {
            return owner.nodeType
        }
```

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```javascript
(function( $ ) {

// data from the HTML5 data-* attribute
if ( data === undefined && elem.nodeType === 1 ) {
  name = data;
}

function dataAttr( elem, key, data ) {
  var name;

  // If nothing was found internally, try to fetch
  return +data;
}

if ( rbrace.test( data ) ) {
  return JSON.parse( data );
}

if ( data === "null" ) {
  return null;
}

// Only convert to a number if it doesn't change the string
if ( data === true ) {
  return true;
}

if ( data === false ) {
  return false;
}

if ( data

var rbrace = /^(?:\{[\[]\w\W\]*\}|\[\[\w\W\]*\[\])$/,
    rmultiDash = /[A-Z]/g;

function getData( data )
```
);\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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function setGlobalEval( elems, refElements ) {
  var i = 0,
      l = elems.length;

  for ( ; i < l; i++ ) {
    if ( refElements[ i ] ) {
      jQuery( this ).setGlobalEval( elems[ i ] , refElements[ i ] , true );
    }
  }
}

jQuery.fn.extend( {
  show: function() {
    return this.each( function() {
      if ( isHiddenWithinTree( this ) ) {
        this.style.display = "";
        this.setAttribute( "visibility", "visible" );
      }
    } );
  },
  hide: function() {
    return this.each( function() {
      if ( isHiddenWithinTree( this ) ) {
        this.style.display = "none";
        this.setAttribute( "visibility", "hidden" );
      }
    } );
  },
  toggle: function(state) {
    return state ? this.show() : this.hide();
  },
  attr: function(name, value) {
    return accessor( this, function(elem) {
      return elem.attr( name, value );
    }, null, name, value, true, true );
  },
  removeAttr: function(name) {
    return this.each( function() {
      if ( this.getAttribute( name ) !== null ) {
        this.removeAttribute( name );
      }
    } );
  },
  prop: function(name, value) {
    return accessor( this, function(elem) {
      return elem.attr( name, value );
    }, null, name, value, true, false );
  },
  removeProp: function(name) {
    return this.each( function() {
      if ( this.getAttribute( name ) !== null ) {
        this.removeAttribute( name );
      }
    } );
  },
  addClass: function(value) {
    return this.each( function() {
      if ( this.nodeType == 1 || this.nodeType == 9 ) {
        jQuery.trim( value ).split( " ").forEach(function( elem ) {
          if ( this.classList ) {
            this.classList.add( elem );
          } else {
            this.className += " "+elem;
          }
        });
      }
    } );
  },
  removeClass: function(value) {
    return this.each( function() {
      if ( this.nodeType == 1 || this.nodeType == 9 ) {
        jQuery.trim( value ).split( " ").forEach(function( elem ) {
          if ( this.classList ) {
            this.classList.remove( elem );
          } else {
            this.className = this.className.replace( new RegExp( "\s\+\"+elem+"\s\+", "g" ), "\$1" );
          }
        });
      }
    } );
  },
  toggleClass: function(value, state) {
    if ( typeof state == "boolean" ) {
      return state ? this.addClass( value ) : this.removeClass( value );
    }
    return this.each( function() {
      if ( this.nodeType == 1 || this.nodeType == 9 ) {
        jQuery.trim( value ).split( " ").forEach(function( elem ) {
          if ( this.classList ) {
            this.classList.toggle( elem, state );
          } else {
            if ( state ) {
              this.className += " "+elem;
            } else {
              this.className = this.className.replace( new RegExp( "\s\+\"+elem+"\s\+", "g" ), "\$1" );
            }
          }
        });
      }
    } );
  },
  html: function(value) {
    return accessor( this, function(elem, value) {
      if ( elem.nodeType == 1 || elem.nodeType == 9 ) {
        if ( value == null ) {
          return elem.innerHTML;
        }
        return elem.innerHTML = value;
      }
    }, null, value, true );
  },
  css: function(name, value) {
    return accessor( this, function(elem, value) {
      if ( elem.nodeType == 1 || elem.nodeType == 9 ) {
        return jQuery.style( elem, name, value );
      }
    }, null, name, value, true );
  },
  next: function(selector) {
    return accessor( this, function(elem) {
      if ( elem.nextElementSibling != null ) {
        return elem.nextElementSibling;
      }
    }, selector );
  },
  prev: function(selector) {
    return accessor( this, function(elem) {
      if ( elem.previousElementSibling != null ) {
        return elem.previousElementSibling;
      }
    }, selector );
  },
  nextAll: function(selector) {
    return accessor( this, function(elem) {
      while ( elem.nextElementSibling != null ) {
        if ( selector == null || selector( elem.nextElementSibling ) ) {
          return elem.nextElementSibling;
        }
        elem = elem.nextElementSibling;
      }
    }, selector );
  },
  prevAll: function(selector) {
    return accessor( this, function(elem) {
      while ( elem.previousElementSibling != null ) {
        if ( selector == null || selector( elem.previousElementSibling ) ) {
          return elem.previousElementSibling;
        }
        elem = elem.previousElementSibling;
      }
    }, selector );
  },
  nextUntil: function(selector) {
    return accessor( this, function(elem) {
      while ( elem.nextElementSibling != null ) {
        if ( selector == null || selector( elem.nextElementSibling ) ) {
          return elem.nextElementSibling;
        }
        elem = elem.nextElementSibling;
      }
    }, selector );
  },
  prevUntil: function(selector) {
    return accessor( this, function(elem) {
      while ( elem.previousElementSibling != null ) {
        if ( selector == null || selector( elem.previousElementSibling ) ) {
          return elem.previousElementSibling;
        }
        elem = elem.previousElementSibling;
      }
    }, selector );
  }
} );
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```javascript
// Update special based on newly reset type
special = {}; // If selector defined, determine special event api type, otherwise given type
if (selector ?
	 type = (selector ?
	 special = jQuery.event.special[type] ||
	 but no attaching namespace-only handlers
	 if (!type) {
	 continue;

	 // If event

type = origType = tmp[1];

	 // There *must*

t = types.length;
while (t--)
	 tmp = rtypenamespace.exec(types[t]) ||
	 undefined;
};

// Handle multiple events separated by a space
types = (types || " ");

// Use same guid so caller
if (fn === false) {
fn = returnFalse;
} else if (!fn) {
return elem;
}

if (elem && elem.nodeType === 1) {
origFn = fn; fn = function (event) {

	// Can use an empty set, since event contains the
info
	jQuery().off(event);
	return origFn.apply(this, arguments);
	};

// Support: IE <=11 only
// Make sure textarea is properly cloned
div.innerHTML = "\"<textarea>x</textarea>\"
```

...
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```
jQuery.Event = function( src, props ) {

	// Allow
function( elem, type, handle ) {

	// This "if" is needed for plain objects
	if ( elem.removeEventListener )
	{
					event.originalEvent.returnValue = event.result;
				}
			}
	}
};

jQuery.removeEvent =

```

```
// Support: IE <=9
// Black-hole SVG <use> instance trees (trac-13180)

```

```
// Add the remaining (directly-bound) handlers
cur = this;
if ( delegateCount < handlers.length )
{
						handlerQueue.push( { elem: cur, handlers: handlers.slice( delegateCount ) } );
					}
			}
	}

```

```
// Don't conflict with Object.prototype properties (#13203)

```

```
// Call the postDispatch hook for the mapped type
if ( special.postDispatch )
{
							event.preventDefault();
							event.stopPropagation();
						}
				}
		}
	}
```

```
// Call the postDispatch hook
if ( typeof jQuery.event.special[ handleObj.origType ] === 'function' )
{
							jQuery.Event( originalEvent );
	},

```

```
```

```
// Don't process clicks on disabled elements (#6911, #8165, #11382, #11764)

```

```
if ( cur.removeEventListener ) {
							return this.originalEvent[ name ];
						}
					}
```

```
// Don't check non-elements (#13208)/Don't process clicks on disabled elements (#6911, #8165, #11382, #11764)

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```
handleObj.namespace

```javascript
handleObj.origType, handleObj.selector, handleObj.handler
```

```javascript
return this;
```

```javascript
for ( type in types ) {
```
elem,\n\t\t\ti = 0;\n\n\t\tfor ( ; ( elem = this[ i ] ) != null; i++ ) {\n\t\t\tif ( elem.nodeType === 1 ) {\n\n\t\t\t\t//
Prevent memory leaks\n\t\t\t\tjQuery.cleanData( getAll( elem, false ) );\n\n\t\t\t\t// Remove any remaining
nodes\n\t\t\t\telem.textContent = \"\";\n\t\t\t}\n\t\t}\n\n\t\treturn this;\n\t},\n\n\tclone: function( dataAndEvents,
deepDataAndEvents ) {\n\t\tdataAndEvents = dataAndEvents == null ? false :
dataAndEvents;\n\t\tdeepDataAndEvents = deepDataAndEvents == null ? dataAndEvents :
deepDataAndEvents;\n\n\t\treturn this.map( function() {\n\t\t\treturn jQuery.clone( this, dataAndEvents,
deepDataAndEvents );\n\t\t} );\n\t},\n\n\thtml: function( value ) {\n\t\treturn access( this, function( value )
{\n\t\t\tvar elem = this[ 0 ] || {},\n\t\t\t\ti = 0,\n\t\t\t\tl = this.length;\n\n\t\t\tif ( value === undefined &&
elem.nodeType === 1 ) {\n\t\t\t\treturn elem.innerHTML;\n\t\t\t}\n\n\t\t\t// See if we can take a shortcut and just use
innerHTML\n\t\t\tif ( typeof value === \"string\" && !rnoInnerhtml.test( value ) &&\n\t\t\t\t!wrapMap[ (
rtagName.exec( value ) || [ \"\", \"\" ] )[ 1 ].toLowerCase() ] ) {\n\n\t\t\t\tvalue = jQuery.htmlPrefilter( value
);\n\n\t\t\t\ttry {\n\t\t\t\t\tfor ( ; i < l; i++ ) {\n\t\t\t\t\t\telem = this[ i ] || {};\n\n\t\t\t\t\t\t// Remove element nodes and
prevent memory leaks\n\t\t\t\t\t\tif ( elem.nodeType === 1 ) {\n\t\t\t\t\t\t\tjQuery.cleanData( getAll( elem, false )
);\n\t\t\t\t\t\t\telem.innerHTML = value;\n\t\t\t\t\t\t}\n\t\t\t\t\t}\n\n\t\t\t\t\telem = 0;\n\n\t\t\t\t// If using innerHTML
throws an exception, use the fallback method\n\t\t\t\t} catch ( e ) {}\n\t\t\t}\n\n\t\t\tif ( elem )
{\n\t\t\t\tthis.empty().append( value );\n\t\t\t}\n\t\t}, null, value, arguments.length );\n\t},\n\n\treplaceWith:
function() {\n\t\tvar ignored = [];\n\n\t\t// Make the changes, replacing each non-ignored context element with the
new content\n\t\treturn domManip( this, arguments, function( elem ) {\n\t\t\tvar parent = this.parentNode;\n\n\t\t\tif (
jQuery.inArray( this, ignored ) < 0 ) {\n\t\t\t\tjQuery.cleanData( getAll( this ) );\n\t\t\t\tif ( parent )
{\n\t\t\t\t\tparent.replaceChild( elem, this );\n\t\t\t\t}\n\t\t\t}\n\n\t\t// Force callback invocation\n\t\t}, ignored
);\n\t}\n} );\n\njQuery.each( {\n\tappendTo: \"append\",\n\tprependTo: \"prepend\",\n\tinsertBefore:
\"before\",\n\tinsertAfter: \"after\",\n\treplaceAll: \"replaceWith\"\n}, function( name, original ) {\n\tjQuery.fn[
name ] = function( selector ) {\n\t\tvar elems,\n\t\t\tret = [],\n\t\t\tinsert = jQuery( selector ),\n\t\t\tlast = insert.length
- 1,\n\t\t\ti = 0;\n\n\t\tfor ( ; i <= last; i++ ) {\n\t\t\telems = i === last ? this : this.clone( true );\n\t\t\tjQuery( insert[ i
] )[ original ]( elems );\n\n\t\t\t// Support: Android <=4.0 only, PhantomJS 1 only\n\t\t\t// .get() because
push.apply(_, arraylike) throws on ancient WebKit\n\t\t\tpush.apply( ret, elems.get() );\n\t\t}\n\n\t\treturn
this.pushStack( ret );\n\t};\n} );\nvar rnumnonpx = new RegExp( \"^(\" + pnum + \")(?!px)[a-z%]+$\", \"i\" );\n\nvar
getStyles = function( elem ) {\n\n\t\t// Support: IE <=11 only, Firefox <=30 (#15098, #14150)\n\t\t// IE throws on
elements created in popups\n\t\t// FF meanwhile throws on frame elements through
\"defaultView.getComputedStyle\"\n\t\tvar view = elem.ownerDocument.defaultView;\n\n\t\tif ( !view ||
!view.opener ) {\n\t\t\tview = window;\n\t\t}\n\n\t\treturn view.getComputedStyle( elem );\n\t};\n\nvar rboxStyle =
new RegExp( cssExpand.join( \"|\" ), \"i\" );\n\n\n\n( function() {\n\n\t// Executing both pixelPosition &
boxSizingReliable tests require only one layout\n\t// so they're executed at the same time to save the second
computation.\n\tfunction computeStyleTests() {\n\n\t\t// This is a singleton, we need to execute it only once\n\t\tif (
!div ) {\n\t\t\treturn;\n\t\t}\n\n\t\tcontainer.style.cssText = \"position:absolute;left:-11111px;width:60px;\"
+\n\t\t\t\"margin-top:1px;padding:0;border:0\";\n\t\tdiv.style.cssText =\n\t\t\t\"position:relative;display:block;boxsizing:border-box;overflow:scroll;\" +\n\t\t\t\"margin:auto;border:1px;padding:1px;\"
+\n\t\t\t\"width:60%;top:1%\";\n\t\tdocumentElement.appendChild( container ).appendChild( div );\n\n\t\tvar
divStyle = window.getComputedStyle( div );\n\t\tpixelPositionVal = divStyle.top !== \"1%\";\n\n\t\t// Support:
Android 4.0 - 4.3 only, Firefox <=3 - 44\n\t\treliableMarginLeftVal = roundPixelMeasures( divStyle.marginLeft )
=== 12;\n\n\t\t// Support: Android 4.0 - 4.3 only, Safari <=9.1 - 10.1, iOS <=7.0 - 9.3\n\t\t// Some styles come back
with percentage values, even though they shouldn't\n\t\tdiv.style.right = \"60%\";\n\t\tpixelBoxStylesVal =
roundPixelMeasures( divStyle.right ) === 36;\n\n\t\t// Support: IE 9 - 11 only\n\t\t// Detect misreporting of content
dimensions for box-sizing:border-box elements\n\t\tboxSizingReliableVal = roundPixelMeasures( divStyle.width )
=== 36;\n\n\t\t// Support: IE 9 only\n\t\t// Detect overflow:scroll screwiness (gh-3699)\n\t\tdiv.style.position =
\"absolute\";\n\t\tscrollboxSizeVal = div.offsetWidth === 36 || \"absolute\";\n\n\t\tdocumentElement.removeChild(
container );\n\n\t\t// Nullify the div so it wouldn't be stored in the memory and\n\t\t// it will also be a sign that checks
already performed\n\t\tdiv = null;\n\t}\n\n\tfunction roundPixelMeasures( measure ) {\n\t\treturn Math.round(

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parseFloat( measure )

var pixelPositionVal, boxSizingReliableVal, scrollBoxSizeVal, pixelBoxStylesVal,\n	
treliableMarginLeftVal, \n	container = document.createElement( "div" ), \n
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
(function() {
    // Firefox 51+/\n    // Retrieving style before computed somehow\n    // fixes an issue with getting wrong values\n    // on detached elements\n    // elem.style;\n    \n    // getPropertyValue is needed for:
    \n    //   .css('filter') (IE 9 only, #12537)\n    //   .css('--customProperty') (#3144)\n    // (computed ) \n    \n    // A tribute to the "awesome hack by Dean Edwards"
    // Android Browser returns percentage for some values,\n    // but width seems to be reliably pixels.
    // This is against the CSSOM draft spec:
    \n    https://drafts.csswg.org/cssom/#resolved-values\n    \n    // See here for display values: https://developer.mozilla.org/en-US/docs/CSS/display\n    // Put in the new values to get a computed value\n    \n    // Swappable if display is none or starts with table\n    // except "table", "table-cell", or "table-caption"
    // See https://developer.mozilla.org/en-US/docs/CSS/display#display_values for display values.
    \n    // Whitespace: https://developer.mozilla.org/en-US/docs/CSS/display\n    \n    // Seeing for display values: https://developer.mozilla.org/en-US/docs/CSS/display\n    // Swapable if display is none or starts with table\n
    function getPropValue( elem ) { return ( elem.style || elem.currentStyle )[prop]; }

    // Get style property from element\n    // Get computed value out\n    // Style of cloned element affects source element cloned
    \n    // Adjustments may not be necessary\n    \n    \n    \n    // Both box models exclude margin
    \n    // Box Model Adjustments
    \n    return;
})();

function curCSS( elem, name, computed ) {
	var width, minWidth,

    // Check for vendor prefixed property\n    // Full function\n    // Checkout: https://developer.mozilla.org/en-US/docs/CSS/display\n    // Swapable if display is none or starts with table
    // except "table", "table-cell", or "table-caption"
    \n    // Whitespace: https://developer.mozilla.org/en-US/docs/CSS/display#display_values for display values.
    // Seeing for display values: https://developer.mozilla.org/en-US/docs/CSS/display\n    // Swapable if display is none or starts with table

{\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
\"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

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```javascript
=== "string" && ( ret = rcssNum.exec( value ) ) && ret[ 1 ] ) {
  value = adjustCSS( elem, name, ret );
}

// Fixes bug #9237
if ( typeof value !== "string" ) {
  // Make sure that null and NaN values aren't set (#7116)
  if ( value == null || value !== value ) {
    return;
  }

  // If a number was passed in, add the unit (except for certain CSS properties)
  if ( type === "number" ) {
    // Adjust for CSS4/3 edge case where setting the property to "0" would
    // change it to a float
    value = !isNaN( value ) && value;
  }

  // Make sure that null and NaN values aren't set (#7116)
  if ( value == null || value !== value ) {
    return;
  }

  // If a number was passed in, add the unit (except for certain CSS properties)
  if ( type === "number" ) {
    // Adjust for CSS4/3 edge case where setting the property to "0" would
    // change it to a float
    value += ret && ret[ 3 ] || (jQuery.cssNumber[ origName ] ? "" : "px" );
  }

  // background-* props affect original clone's value
  if ( support.clearCloneStyle && value === "" && name.indexOf( "background" ) === 0 ) {
    var style = elem[ "style" ];
    style[ name ] = "inherit";
  }

  // If a hook was provided, use that value, otherwise just set the specified value
  if ( hooks && "get" in hooks ) {
    return hooks.get( elem, true, extra );
  }

  // Otherwise just get the value from the style object
  if ( support.boxModel ) {
    return style[ name ];
  }
}

jQuery.each( [ "height", "width" ], function( i, dimension ) {
  jQuery.cssHooks[ dimension ] = {
    get: function( elem, computed, extra ) {
      if ( computed ) {
        // Certain elements can have dimension info if we invisibly show them
        // but it must have a current display style that would benefit
        // swapping to a temp element.  This is to help support table columns
        // in Safari 3.2+ and beware using display: table in IE 6.
        swap( elem, cssShow, function() {
          return getWidthOrHeight( elem, dimension, extra );
        } )
      } else {
        return curCSS( elem, dimension, extra );
      }
    },
    set: function( elem, value, extra ) {
      var maps = { margin: true, padding: true },
          extraProp = jQuery.extend( {}, extra ),
          isBorderBox = jQuery.css( elem, "boxSizing", false, extra ) === "border-box",
          subtract = extra && boxModelAdjustment( elem, dimension, extra, isBorderBox, maps )
      ...
```
function( prefix, suffix ) {
  jQuery.cssHooks[ prefix + suffix ] = {
    expand: function( value ) {
      var i = 0,
        expanded = [],
        parts = typeof value === "string" ? value.split( " ") : [ value ];
      for ( ; i < 4; i++ ) {
        i + suffix ] = [ parts[ i - 2 ] || parts[ 0 ] ];
      }
    };
    set: setPositiveNumber;
    };
  jQuery.fn.extend( { 
    css: function( name, value ) {
      return access( this, function( elem, name, value ) {
          var styles,
            len,
            map = {},
            i = 0;
          if ( Array.isArray( name ) ) {
            styles = getStyles( elem );
            len = name.length;
            for ( ; i < len; i++ ) {
              map[ name[ i ] ] = jQuery.css( elem, name[ i ], false, styles );
            }
          } else {
            return jQuery.css( elem, name, value, arguments.length > 1 );
          }
        };
      } );
    };
  } );

  jQuery.fn.extend( { 
    css: function( name, value ) {
      return access( this, function( elem, name, value ) {
          var styles,
            len,
            map = {},
            i = 0;
          if ( Array.isArray( name ) ) {
            styles = getStyles( elem );
            len = name.length;
            for ( ; i < len; i++ ) {
              map[ name[ i ] ] = jQuery.css( elem, name[ i ], false, styles );
            }
          } else {
            return jQuery.css( elem, name, value, arguments.length > 1 );
          }
        };
      } );
    };
  } );

  jQuery.fn.extend( { 
    css: function( name, value ) {
      return access( this, function( elem, name, value ) {
          var styles,
            len,
            map = {},
            i = 0;
          if ( Array.isArray( name ) ) {
            styles = getStyles( elem );
            len = name.length;
            for ( ; i < len; i++ ) {
              map[ name[ i ] ] = jQuery.css( elem, name[ i ], false, styles );
            }
          } else {
            return jQuery.css( elem, name, value, arguments.length > 1 );
          }
        };
      } );
    };
  } );
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function( i, name ) {\n\tvar cssFn = jQuery.fn[ name ];\n\tjQuery.fn[ name ] = function( speed, easing, callback )
{\n\t\treturn speed == null || typeof speed === \"boolean\" ?\n\t\t\tcssFn.apply( this, arguments ) :\n\t\t\tthis.animate(
genFx( name, true ), speed, easing, callback );\n\t};\n} );\n\n// Generate shortcuts for custom
animations\njQuery.each( {\n\tslideDown: genFx( \"show\" ),\n\tslideUp: genFx( \"hide\" ),\n\tslideToggle: genFx(
\"toggle\" ),\n\tfadeIn: { opacity: \"show\" },\n\tfadeOut: { opacity: \"hide\" },\n\tfadeToggle: { opacity: \"toggle\"
}\n}, function( name, props ) {\n\tjQuery.fn[ name ] = function( speed, easing, callback ) {\n\t\treturn this.animate(
props, speed, easing, callback );\n\t};\n} );\n\njQuery.timers = [];\njQuery.fx.tick = function() {\n\tvar timer,\n\t\ti =
0,\n\t\ttimers = jQuery.timers;\n\n\tfxNow = Date.now();\n\n\tfor ( ; i < timers.length; i++ ) {\n\t\ttimer = timers[ i
];\n\n\t\t// Run the timer and safely remove it when done (allowing for external removal)\n\t\tif ( !timer() && timers[
i ] === timer ) {\n\t\t\ttimers.splice( i--, 1 );\n\t\t}\n\t}\n\n\tif ( !timers.length ) {\n\t\tjQuery.fx.stop();\n\t}\n\tfxNow
= undefined;\n};\n\njQuery.fx.timer = function( timer ) {\n\tjQuery.timers.push( timer
);\n\tjQuery.fx.start();\n};\n\njQuery.fx.interval = 13;\njQuery.fx.start = function() {\n\tif ( inProgress )
{\n\t\treturn;\n\t}\n\n\tinProgress = true;\n\tschedule();\n};\n\njQuery.fx.stop = function() {\n\tinProgress =
null;\n};\n\njQuery.fx.speeds = {\n\tslow: 600,\n\tfast: 200,\n\n\t// Default speed\n\t_default: 400\n};\n\n\n// Based
off of the plugin by Clint Helfers, with permission.\n//
time;\n\ttype = type || \"fx\";\n\n\treturn this.queue( type, function( next, hooks ) {\n\t\tvar timeout =
window.setTimeout( next, time );\n\t\thooks.stop = function() {\n\t\t\twindow.clearTimeout( timeout );\n\t\t};\n\t}
);\n};\n\n\n( function() {\n\tvar input = document.createElement( \"input\" ),\n\t\tselect = document.createElement(
\"select\" ),\n\t\topt = select.appendChild( document.createElement( \"option\" ) );\n\n\tinput.type =
\"checkbox\";\n\n\t// Support: Android <=4.3 only\n\t// Default value for a checkbox should be
\"on\"\n\tsupport.checkOn = input.value !== \"\";\n\n\t// Support: IE <=11 only\n\t// Must access selectedIndex to
make default options select\n\tsupport.optSelected = opt.selected;\n\n\t// Support: IE <=11 only\n\t// An input loses
its value after becoming a radio\n\tinput = document.createElement( \"input\" );\n\tinput.value = \"t\";\n\tinput.type
= \"radio\";\n\tsupport.radioValue = input.value === \"t\";\n} )();\n\n\nvar boolHook,\n\tattrHandle =
jQuery.expr.attrHandle;\n\njQuery.fn.extend( {\n\tattr: function( name, value ) {\n\t\treturn access( this, jQuery.attr,
name, value, arguments.length > 1 );\n\t},\n\n\tremoveAttr: function( name ) {\n\t\treturn this.each( function()
{\n\t\t\tjQuery.removeAttr( this, name );\n\t\t} );\n\t}\n} );\n\njQuery.extend( {\n\tattr: function( elem, name, value )
{\n\t\tvar ret, hooks,\n\t\t\tnType = elem.nodeType;\n\n\t\t// Don't get/set attributes 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\t// Fallback to prop when
attributes are not supported\n\t\tif ( typeof elem.getAttribute === \"undefined\" ) {\n\t\t\treturn jQuery.prop( elem,
name, value );\n\t\t}\n\n\t\t// Attribute hooks are determined by the lowercase version\n\t\t// Grab necessary hook if
one is defined\n\t\tif ( nType !== 1 || !jQuery.isXMLDoc( elem ) ) {\n\t\t\thooks = jQuery.attrHooks[
name.toLowerCase() ] ||\n\t\t\t\t( jQuery.expr.match.bool.test( name ) ? boolHook : undefined );\n\t\t}\n\n\t\tif (
value !== undefined ) {\n\t\t\tif ( value === null ) {\n\t\t\t\tjQuery.removeAttr( elem, name
);\n\t\t\t\treturn;\n\t\t\t}\n\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\telem.setAttribute( name, value + \"\" );\n\t\t\treturn
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\tret = jQuery.find.attr( elem, name );\n\n\t\t// Non-existent attributes return null, we normalize to
undefined\n\t\treturn ret == null ? undefined : ret;\n\t},\n\n\tattrHooks: {\n\t\ttype: {\n\t\t\tset: function( elem, value )
{\n\t\t\t\tif ( !support.radioValue && value === \"radio\" &&\n\t\t\t\t\tnodeName( elem, \"input\" ) ) {\n\t\t\t\t\tvar
val = elem.value;\n\t\t\t\t\telem.setAttribute( \"type\", value );\n\t\t\t\t\tif ( val ) {\n\t\t\t\t\t\telem.value =
val;\n\t\t\t\t\t}\n\t\t\t\t\treturn value;\n\t\t\t\t}\n\t\t\t}\n\t\t}\n\t},\n\n\tremoveAttr: function( elem, value ) {\n\t\tvar
name,\n\t\t\ti = 0,\n\n\t\t\t// Attribute names can contain non-HTML whitespace characters\n\t\t\t//
https://html.spec.whatwg.org/multipage/syntax.html#attributes-2\n\t\t\tattrNames = value && value.match(
rnothtmlwhite );\n\n\t\tif ( attrNames && elem.nodeType === 1 ) {\n\t\t\twhile ( ( name = attrNames[ i++ ] ) )
{\n\t\t\t\telem.removeAttribute( name );\n\t\t\t}\n\t\t}\n\t}\n} );\n\n// Hooks for boolean attributes\nboolHook =

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```javascript

$(function( elem, value, name ) { 
  $(this).bind("change", function() {
    // Handle changes here
  });
});

// Example usage:
$("input[type=checkbox]", ".has-accessibility-test").click(function() {
  // Perform accessibility test
});
```
Array.isArray( obj ) ) {\n\n\t\t// Serialize array item.\n\t\tjQuery.each( obj, function( i, v ) {\n\t\t\tif ( traditional ||
rbracket.test( prefix ) ) {\n\n\t\t\t\t// Treat each array item as a scalar.\n\t\t\t\tadd( prefix, v );\n\n\t\t\t} else
{\n\n\t\t\t\t// Item is non-scalar (array or object), encode its numeric index.\n\t\t\t\tbuildParams(\n\t\t\t\t\tprefix +
\"[\" + ( typeof v === \"object\" && v != null ? i : \"\" ) +
\"]\",\n\t\t\t\t\tv,\n\t\t\t\t\ttraditional,\n\t\t\t\t\tadd\n\t\t\t\t);\n\t\t\t}\n\t\t} );\n\n\t} else if ( !traditional && toType( obj
) === \"object\" ) {\n\n\t\t// Serialize object item.\n\t\tfor ( name in obj ) {\n\t\t\tbuildParams( prefix + \"[\" + name +
\"]\", obj[ name ], traditional, add );\n\t\t}\n\n\t} else {\n\n\t\t// Serialize scalar item.\n\t\tadd( prefix, obj
);\n\t}\n}\n\n// Serialize an array of form elements or a set of\n// key/values into a query string\njQuery.param =
function( a, traditional ) {\n\tvar prefix,\n\t\ts = [],\n\t\tadd = function( key, valueOrFunction ) {\n\n\t\t\t// If value is
a function, invoke it and use its return value\n\t\t\tvar value = isFunction( valueOrFunction )
?\n\t\t\t\tvalueOrFunction() :\n\t\t\t\tvalueOrFunction;\n\n\t\t\ts[ s.length ] = encodeURIComponent( key ) + \"=\"
+\n\t\t\t\tencodeURIComponent( value == null ? \"\" : value );\n\t\t};\n\n\t// If an array was passed in, assume that it
is an array of form elements.\n\tif ( Array.isArray( a ) || ( a.jquery && !jQuery.isPlainObject( a ) ) ) {\n\n\t\t//
Serialize the form elements\n\t\tjQuery.each( a, function() {\n\t\t\tadd( this.name, this.value );\n\t\t} );\n\n\t} else
{\n\n\t\t// If traditional, encode the \"old\" way (the way 1.3.2 or older\n\t\t// did it), otherwise encode params
recursively.\n\t\tfor ( prefix in a ) {\n\t\t\tbuildParams( prefix, a[ prefix ], traditional, add );\n\t\t}\n\t}\n\n\t// Return
the resulting serialization\n\treturn s.join( \"&\" );\n};\n\njQuery.fn.extend( {\n\tserialize: function() {\n\t\treturn
jQuery.param( this.serializeArray() );\n\t},\n\tserializeArray: function() {\n\t\treturn this.map( function() {\n\n\t\t\t//
Can add propHook for \"elements\" to filter or add form elements\n\t\t\tvar elements = jQuery.prop( this,
\"elements\" );\n\t\t\treturn elements ? jQuery.makeArray( elements ) : this;\n\t\t} )\n\t\t.filter( function() {\n\t\t\tvar
type = this.type;\n\n\t\t\t// Use .is( \":disabled\" ) so that fieldset[disabled] works\n\t\t\treturn this.name && !jQuery(
this ).is( \":disabled\" ) &&\n\t\t\t\trsubmittable.test( this.nodeName ) && !rsubmitterTypes.test( type ) &&\n\t\t\t\t(
this.checked || !rcheckableType.test( type ) );\n\t\t} )\n\t\t.map( function( i, elem ) {\n\t\t\tvar val = jQuery( this
).val();\n\n\t\t\tif ( val == null ) {\n\t\t\t\treturn null;\n\t\t\t}\n\n\t\t\tif ( Array.isArray( val ) ) {\n\t\t\t\treturn
jQuery.map( val, function( val ) {\n\t\t\t\t\treturn { name: elem.name, value: val.replace( rCRLF, \"\\r\\n\" )
};\n\t\t\t\t} );\n\t\t\t}\n\n\t\t\treturn { name: elem.name, value: val.replace( rCRLF, \"\\r\\n\" ) };\n\t\t} ).get();\n\t}\n}
);\n\n\nvar\n\tr20 = /%20/g,\n\trhash = /#.*$/,\n\trantiCache = /([?&])_=[^&]*/,\n\trheaders = /^(.*?):[
\\t]*([^\\r\\n]*)$/mg,\n\n\t// #7653, #8125, #8152: local protocol detection\n\trlocalProtocol = /^(?:about|app|appstorage|.+-extension|file|res|widget):$/,\n\trnoContent = /^(?:GET|HEAD)$/,\n\trprotocol = /^\\/\\//,\n\n\t/*
Prefilters\n\t * 1) They are useful to introduce custom dataTypes (see ajax/jsonp.js for an example)\n\t * 2) These
are called:\n\t * - BEFORE asking for a transport\n\t * - AFTER param serialization (s.data is a string if
s.processData is true)\n\t * 3) key is the dataType\n\t * 4) the catchall symbol \"*\" can be used\n\t * 5) execution
will start with transport dataType and THEN continue down to \"*\" if needed\n\t */\n\tprefilters = {},\n\n\t/*
Transports bindings\n\t * 1) key is the dataType\n\t * 2) the catchall symbol \"*\" can be used\n\t * 3) selection will
start with transport dataType and THEN go to \"*\" if needed\n\t */\n\ttransports = {},\n\n\t// Avoid comment-prolog
char sequence (#10098); must appease lint and evade compression\n\tallTypes = \"*/\".concat( \"*\" ),\n\n\t// Anchor
tag for parsing the document origin\n\toriginAnchor = document.createElement( \"a\" );\n\toriginAnchor.href =
location.href;\n\n// Base \"constructor\" for jQuery.ajaxPrefilter and jQuery.ajaxTransport\nfunction
addToPrefiltersOrTransports( structure ) {\n\n\t// dataTypeExpression is optional and defaults to \"*\"\n\treturn
function( dataTypeExpression, func ) {\n\n\t\tif ( typeof dataTypeExpression !== \"string\" ) {\n\t\t\tfunc =
dataTypeExpression;\n\t\t\tdataTypeExpression = \"*\";\n\t\t}\n\n\t\tvar dataType,\n\t\t\ti = 0,\n\t\t\tdataTypes =
dataTypeExpression.toLowerCase().match( rnothtmlwhite ) || [];\n\n\t\tif ( isFunction( func ) ) {\n\n\t\t\t// For each
dataType in the dataTypeExpression\n\t\t\twhile ( ( dataType = dataTypes[ i++ ] ) ) {\n\n\t\t\t\t// Prepend if
requested\n\t\t\t\tif ( dataType[ 0 ] === \"+\" ) {\n\t\t\t\t\tdataType = dataType.slice( 1 ) || \"*\";\n\t\t\t\t\t( structure[
dataType ] = structure[ dataType ] || [] ).unshift( func );\n\n\t\t\t\t// Otherwise append\n\t\t\t\t} else {\n\t\t\t\t\t(
structure[ dataType ] = structure[ dataType ] || [] ).push( func );\n\t\t\t\t}\n\t\t\t}\n\t\t}\n\t};\n}\n\n// Base inspection
function for prefilters and transports\nfunction inspectPrefiltersOrTransports( structure, options, originalOptions,
jqXHR ) {\n\n\tvar inspected = {},\n\t\tseekingTransport = ( structure === transports );\n\n\tfunction inspect(

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```javascript
function ajaxConvert( s, response, jqXHR, isSuccess ) {
    var conv2, current, conv, tmp,
    contents = s.contents,
    dataTypes = s.dataTypes.slice();

    // Create converters map with lowercased keys
    if ( dataTypes[ 1 ] ) {
        for ( conv in s.converters ) {
            dataTypes[ conv.toLowerCase() ] = s.converters[ conv ];
        }
    }

    // Get response field names
    for ( key in src ) {
        if ( src[ key ] !== undefined ) {
            ( flatOptions[ key ] = src[ key ] ) = true;
        }
    }

    // Convert to each sequential dataType
    while ( current ) {
        for ( conv in s.converters ) {
            dataTypes.unshift( conv.toLowerCase() );
        }

        // Convert to the dataType
        if ( conv2 = dataTypes.shift() ) {
            try {
                response = conv( response );
            } catch ( e ) {
                return {
                    state: 0
                };
            }
        } else if ( conv !== true ) {

            // Condense equivalence
            conv = dataTypes[ conv2 ] || dataTypes[ "* " + conv2 ];

            // Otherwise, condense to first dataType
            if ( conv ) {
                for ( type in contents ) {
                    if ( contents[ type ] && contents[ type ].test( conv ) ) {
                        current = type;
                    }
                }
            } else if ( conv2 in responses ) {
                finalDataType = dataTypes[ 0 ] = conv2;
                return responses[ finalDataType ];
            } else {

                // Try convertible dataTypes
                if ( conv2.split( " " ).join( " " ) === current ) {
                    current = conv2;
                    break;
                }
            }
        }

        // Or just use first one
        finalDataType = dataTypes[ 0 ];

        // Check to see if we have a response for the expected dataType
        if ( finalDataType ) {
            if ( finalDataType !== dataTypes[ 0 ] ) {
                dataTypes.shift();
            }
        }

        // If none found, seek a pair
        if ( !finalDataType ) {
            for ( conv2 in converters ) {
                if ( converters[ conv2 ] !== true ) {

                    // Try convertible dataType
                    if ( converters[ conv2 ] in responses ) {
                        finalDataType = dataTypes[ 0 ] = conv2;
                        return responses[ finalDataType ];
                    } else {

                        // Try direct converter
                        finalDataType = converters[ conv2 ];
                        break;
                    }
                }
            }

            // If none found, seek a pair
            if ( !finalDataType ) {
                finalDataType = "* ";
            }
        }

        // Convert the response if needed
        if ( isSuccess && s.dataFilter ) {
            response = s.dataFilter( response, jqXHR );
        }

        // Apply conversion
        if ( s.responseFields[ current ] ) {
            jqXHR[ s.responseFields[ current ] ] = response;
        }

        // Apply chain conversions for anajax request
        if ( current === "*" ) {
            current = prev;
        }

        // Convert current dataType
        current = dataTypes.shift();

        // Work with a copy of dataTypes in case we need to modify it for conversion
        dataTypes = s.dataTypes.slice();

        // Create converters map with lowercased keys
        if ( dataTypes[ 1 ] ) {
            for ( conv in s.converters ) {
                dataTypes[ conv.toLowerCase() ] = s.converters[ conv ];
            }
        }

        // Get response field names
        for ( key in src ) {
            if ( src[ key ] !== undefined ) {
                ( flatOptions[ key ] = src[ key ] ) = true;
            }
        }
    }
}
```

This code snippet is part of the `ajaxConvert` function, which is used in the ND-NODE v2.1.2b package. It is responsible for converting the response data from one format to another based on specified data types and converters. The function iterates through a list of data types, attempting to find a converter that can transform the response data into the desired format. If no suitable converter is found, it falls back to a default or uses the first available type.
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30165
1. Define a function that handles error or success events.

```javascript
function() {
    responseContainer = arguments;
}
```

2. Clean-up function that fires after the script execution.

```javascript
// Clean-up function (fires after script execution)
overwritten = window[ callbackName ];
window[ callbackName ] = ( function() {
    responseContainer[ 0 ];
};
```

3. Force json dataType to handle json responses.

```javascript
// Force json dataType
s.dataTypes[ 0 ] = "json";
```

4. Data converter to retrieve json after script execution.

```javascript
// Use data converter to retrieve json after script execution
if ( jsonProp ) {
    s[ jsonProp ] = s[ jsonProp ].replace( rjsonp, "$1" + callbackName );
} else if ( s.jsonpCallback ) {
    s.jsonpCallback();
} else if ( s.jsonp !== false ) {
    s.url += ( rquery.test( s.url ) ? "&" : "?" ) + s.jsonp + "=" +
   data;
}
```

5. Install callback into url or form data.

```javascript
// Insert callback into url or form data
if ( jsonProp || s.dataTypes[ 0 ] === "jsonp" ) {
    // Get callback
    callbackName = s.jsonpCallback = isFunction(
        s.jsonpCallback ?
            s.jsonpCallback :
            s.jsonpCallback;
    )
    // Handle iff the expected data type is json
    var oldCallbacks = [],
        rjsonp = /
    \b(?:java|ecma)script\b/,
        contents: {
            script: /\b(?:java|ecma)script\b/,
            converters: {
                "text script": function( text ) {
                    s.contents.script = false;
                    return text;
                }
            },
            accepts: {
                script: "text/javascript, application/javascript, " +
                    "application/ecmascript, application/x-ecmascript," +
                    "script, application/x-hrdata, application/json",
                    "text/script", "text/html" +
                    "application/javascript, application/json",
                    ( xhr.responseType || "text" ) !== "text" ||
                    typeof xhr.responseText !==
```

6. Use native DOM manipulation to avoid our domManip AJAX trickery.

```javascript
// Prevent auto-execution of scripts when no explicit dataType was provided (See gh-2432)
jQuery.ajaxPrefilter( function( s, originalSettings, jqXHR ) {
    s.dataTypes[ 0 ] = "jsonp";
}
```
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:

    // Account for the *real* offset parent, which can be the document or its root element
    // getBoundingClientRect
    offset = elem.getBoundingClientRect();

    // error
    if ( !elem.getClientRects().length ) {
      return { top: 0, left: 0 };
    } // this returns getBoundingClientRect on a
    // disconnected node in IE throws an

    // This corresponds to the behavior of CSS absolute positioning
    curCSSTop = jQuery.css( elem, "top" );
    calculatePosition = ( position === "absolute" || position === "fixed" )
    } );

    if ( position === "static" ) {
      elem.style.position =
    } }]);

    // Support: IE <=11 only
    // Running getBoundingClientRect on a
    // disconnected node in IE throws an

    // Return zeros for disconnected and hidden (display: none) elements (gh-2310)
    // Support: IE <=11 only
    // #14227
    //éstudiantes que están matriculados en el departamento de Informática
    // Get document-relative position by adding viewport scroll to viewport-relative gBCR
    rect = elem.getBoundingClientRect();

    // The final position is either
    // top or left is auto and position is either absolute or fixed
    if ( calculatePosition ) {
      curPosition =
    } else {
      curTop =

      // This method will return documentElement in the following cases:
      // 1) For the element inside the iframe without offsetParent,
      // 2) For the hidden or detached element
      // 3) For body or html element, i.e. in case of the html node -

      // when a statically positioned element is identified
      doc = elem.ownerDocument;
      offsetParent = jQuery( offsetParent ).offsetParent;

      // Incorporate borders into its offset, since they are outside its content
      // origin
      // Calculate the parent offset if necessary
      // 1) Access the window node
      // 2) Check if the parent element exists
      // 3) Get the correct parent
      // 4) Get the correct offset of the parent
      // 5) Put in the correct coordinates from the parent offset
      // 6) Add the correct offsets from the window node
      // 7) Add viewport scroll (if there is some)

      // This logic, however, is not guaranteed and can change at any point
      in the future
      this, options, i );

      // Wrap accessor which checks if options passed in are not null
      curOffset = curElem.offset();
      curCSSTop = jQuery.css( elem, "top" );
      curCSSLeft = jQuery.css( elem, "left" );
      } // this returns getBoundingClientRect on a
      // disconnected node in IE throws an

      // For the element inside the iframe without offsetParent, this method will return
      // documentElement of the parent window
      // For the hidden or detached element

      // it will return itself
      // but those exceptions were never presented as a real life use-cases
      // and might be considered as more preferable results.

      // This method will return documentElement in the following cases:
      // 1) Access the window node
      // 2) Check if the parent element exists
      // 3) Get the correct parent
      // 4) Get the correct offset of the parent
      // 5) Put in the correct coordinates from the parent offset
      // 6) Add the correct offsets from the window node
      // 7) Add viewport scroll (if there is some)

      // This logic, however, is not guaranteed and can change at any point
      in the future
      this, options, i );

      // Wrap accessor which checks if options passed in are not null
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      curCSSTop = jQuery.css( elem, "top" );
      curCSSLeft = jQuery.css( elem, "left" );
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      // disconnected node in IE throws an

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      this, options, i );

      // Wrap accessor which checks if options passed in are not null
      curOffset = curElem.offset();
      curCSSTop = jQuery.css( elem, "top" );
      curCSSLeft = jQuery.css( elem, "left" );
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      // disconnected node in IE throws an

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      // documentElement of the parent window
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      in the future
      this, options, i );

      // Wrap accessor which checks if options passed in are not null
      curOffset = curElem.offset();
      curCSSTop = jQuery.css( elem, "top" );
      curCSSLeft = jQuery.css( elem, "left" );
      } // this returns getBoundingClientRect on a
      // disconnected node in IE throws an

      // For the element inside the iframe without offsetParent, this method will return
      // documentElement of the parent window
      // For the hidden or detached element

      // it will return itself
windows\n\t\t\tvar win;\n\t\t\tif ( isWindow( elem ) ) {\n\t\t\t\twin = elem;\n\t\t\t} else if ( elem.nodeType === 9 )
{\n\t\t\t\twin = elem.defaultView;\n\t\t\t}\n\n\t\t\tif ( val === undefined ) {\n\t\t\t\treturn win ? win[ prop ] : elem[
method ];\n\t\t\t}\n\n\t\t\tif ( win ) {\n\t\t\t\twin.scrollTo(\n\t\t\t\t\t!top ? val : win.pageXOffset,\n\t\t\t\t\ttop ? val :
win.pageYOffset\n\t\t\t\t);\n\n\t\t\t} else {\n\t\t\t\telem[ method ] = val;\n\t\t\t}\n\t\t}, method, val, arguments.length
);\n\t};\n} );\n\n// Support: Safari <=7 - 9.1, Chrome <=37 - 49\n// Add the top/left cssHooks using
jQuery.fn.position\n// Webkit bug: https://bugs.webkit.org/show_bug.cgi?id=29084\n// Blink bug:
https://bugs.chromium.org/p/chromium/issues/detail?id=589347\n// getComputedStyle returns percent when
specified for top/left/bottom/right;\n// rather than make the css module depend on the offset module, just check for it
here\njQuery.each( [ \"top\", \"left\" ], function( i, prop ) {\n\tjQuery.cssHooks[ prop ] = addGetHookIf(
support.pixelPosition,\n\t\tfunction( elem, computed ) {\n\t\t\tif ( computed ) {\n\t\t\t\tcomputed = curCSS( elem,
prop );\n\n\t\t\t\t// If curCSS returns percentage, fallback to offset\n\t\t\t\treturn rnumnonpx.test( computed )
?\n\t\t\t\t\tjQuery( elem ).position()[ prop ] + \"px\" :\n\t\t\t\t\tcomputed;\n\t\t\t}\n\t\t}\n\t);\n} );\n\n\n// Create
innerHeight, innerWidth, height, width, outerHeight and outerWidth methods\njQuery.each( { Height: \"height\",
Width: \"width\" }, function( name, type ) {\n\tjQuery.each( { padding: \"inner\" + name, content: type, \"\":
\"outer\" + name },\n\t\tfunction( defaultExtra, funcName ) {\n\n\t\t// Margin is only for outerHeight,
outerWidth\n\t\tjQuery.fn[ funcName ] = function( margin, value ) {\n\t\t\tvar chainable = arguments.length && (
defaultExtra || typeof margin !== \"boolean\" ),\n\t\t\t\textra = defaultExtra || ( margin === true || value === true ?
\"margin\" : \"border\" );\n\n\t\t\treturn access( this, function( elem, type, value ) {\n\t\t\t\tvar doc;\n\n\t\t\t\tif (
isWindow( elem ) ) {\n\n\t\t\t\t\t// $( window ).outerWidth/Height return w/h including scrollbars (gh1729)\n\t\t\t\t\treturn funcName.indexOf( \"outer\" ) === 0 ?\n\t\t\t\t\t\telem[ \"inner\" + name ]
:\n\t\t\t\t\t\telem.document.documentElement[ \"client\" + name ];\n\t\t\t\t}\n\n\t\t\t\t// Get document width or
height\n\t\t\t\tif ( elem.nodeType === 9 ) {\n\t\t\t\t\tdoc = elem.documentElement;\n\n\t\t\t\t\t// Either
scroll[Width/Height] or offset[Width/Height] or client[Width/Height],\n\t\t\t\t\t// whichever is
greatest\n\t\t\t\t\treturn Math.max(\n\t\t\t\t\t\telem.body[ \"scroll\" + name ], doc[ \"scroll\" + name
],\n\t\t\t\t\t\telem.body[ \"offset\" + name ], doc[ \"offset\" + name ],\n\t\t\t\t\t\tdoc[ \"client\" + name
]\n\t\t\t\t\t);\n\t\t\t\t}\n\n\t\t\t\treturn value === undefined ?\n\n\t\t\t\t\t// Get width or height on the element,
requesting but not forcing parseFloat\n\t\t\t\t\tjQuery.css( elem, type, extra ) :\n\n\t\t\t\t\t// Set width or height on the
element\n\t\t\t\t\tjQuery.style( elem, type, value, extra );\n\t\t\t}, type, chainable ? margin : undefined, chainable
);\n\t\t};\n\t} );\n} );\n\n\njQuery.each( ( \"blur focus focusin focusout resize scroll click dblclick \"
+\n\t\"mousedown mouseup mousemove mouseover mouseout mouseenter mouseleave \" +\n\t\"change select
submit keydown keypress keyup contextmenu\" ).split( \" \" ),\n\tfunction( i, name ) {\n\n\t// Handle event
binding\n\tjQuery.fn[ name ] = function( data, fn ) {\n\t\treturn arguments.length > 0 ?\n\t\t\tthis.on( name, null,
data, fn ) :\n\t\t\tthis.trigger( name );\n\t};\n} );\n\njQuery.fn.extend( {\n\thover: function( fnOver, fnOut )
{\n\t\treturn this.mouseenter( fnOver ).mouseleave( fnOut || fnOver );\n\t}\n} );\n\n\n\n\njQuery.fn.extend(
{\n\n\tbind: function( types, data, fn ) {\n\t\treturn this.on( types, null, data, fn );\n\t},\n\tunbind: function( types, fn )
{\n\t\treturn this.off( types, null, fn );\n\t},\n\n\tdelegate: function( selector, types, data, fn ) {\n\t\treturn this.on(
types, selector, data, fn );\n\t},\n\tundelegate: function( selector, types, fn ) {\n\n\t\t// ( namespace ) or ( selector,
types [, fn] )\n\t\treturn arguments.length === 1 ?\n\t\t\tthis.off( selector, \"**\" ) :\n\t\t\tthis.off( types, selector ||
\"**\", fn );\n\t}\n} );\n\n// Bind a function to a context, optionally partially applying any\n// arguments.\n//
jQuery.proxy is deprecated to promote standards (specifically Function#bind)\n// However, it is not slated for
removal any time soon\njQuery.proxy = function( fn, context ) {\n\tvar tmp, args, proxy;\n\n\tif ( typeof context ===
\"string\" ) {\n\t\ttmp = fn[ context ];\n\t\tcontext = fn;\n\t\tfn = tmp;\n\t}\n\n\t// Quick check to determine if target is
callable, in the spec\n\t// this throws a TypeError, but we will just return undefined.\n\tif ( !isFunction( fn ) )
{\n\t\treturn undefined;\n\t}\n\n\t// Simulated bind\n\targs = slice.call( arguments, 2 );\n\tproxy = function()
{\n\t\treturn fn.apply( context || this, args.concat( slice.call( arguments ) ) );\n\t};\n\n\t// Set the guid of unique
handler to the same of original handler, so it can be removed\n\tproxy.guid = fn.guid = fn.guid ||
jQuery.guid++;\n\n\treturn proxy;\n};\n\njQuery.holdReady = function( hold ) {\n\tif ( hold )
{\n\t\tjQuery.readyWait++;\n\t} else {\n\t\tjQuery.ready( true );\n\t}\n};\njQuery.isArray =

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Array.isArray; jQuery.parseJSON = JSON.parse;
jQuery.nodeName = nodeName;
jQuery.isFunction = isFunction;
jQuery.isWindow = isWindow;
jQuery.camelCase = camelCase;
jQuery.type =
toType;
jQuery.now = Date.now;
jQuery.isNumeric = function(obj) {
  return typeof obj === 'number';
};

jQuery.now = Date.now;

jQuery.isNumeric = function(obj) {
  return (typeof obj === 'number' || typeof obj === 'string')
    && !isNaN(obj - parseFloat(obj));
};


// Register as a named AMD module, since jQuery can be concatenated with other
// files that may use define, but not via a proper concatenation script that
// understands anonymous AMD modules. A named AMD is safest and most
// robust way to register. Lowercase jQuery is used because AMD module names are
// derived from file names, and jQuery is normally delivered in a lowercase
// file name. Do this after creating the global so that if an AMD
// module wants $ to call noConflict to hide this version of jQuery, it will work.
// Note that for maximum portability, libraries that are not jQuery should
// declare themselves as anonymous modules, and avoid setting a global if an
// AMD loader is present. jQuery is a special case. For more information, see


if (typeof define === 'function' && define.amd) {
  define('jquery', [], function() {
    return jQuery;
  });
}

var

  // Map over jQuery in case of overwrite
  _$jQuery = window.jQuery,

  // Map over the $ in case of overwrite
  _$ = window.$;

jQuery.noConflict = function( deep ) {
  if ( window.$ === _$jQuery ) {
    window.$ = _$;
  }

  if ( deep && window.jQuery === _$jQuery ) {
    window.jQuery = _$jQuery;
  }

  return jQuery;
};

// Expose jQuery and $ identifiers, even in AMD
// (https://github.com/jrburke/requirejs/wiki/Updating-existing-libraries#wiki-ano)
// and CommonJS for browser emulators (#13566)
if ( !noGlobal ) {
  window.jQuery = window.$ = jQuery;
}

return jQuery;
} );

var pIE = require('./_object-pie');
var createDesc = require('./_property-desc');
var toIObject = require('./_to-iobject');
var toPrimitive = require('./_to-primitive');
var has = require('./_has');
var IE8_DOM_DEFINE = require('./_ie8-dom-define');

exports.f = require('./_descriptors') ? gOPD : function getOwnPropertyDescriptor(O, P) {
  O = toIObject(O);
  P = toPrimitive(P, true);
  if (IE8_DOM_DEFINE) try {
    return gOPD(O, P);
  } catch (e) { /* empty */ }
  if (has(O, P)) return createDesc(!pIE.f.call(O, P), O[P]);
};

/**
 * Checks if `value` is suitable for use as unique object key.
 * @private
 * @param {*} value The value to check.
 * @returns {boolean} Returns `true` if `value` is suitable, else `false`.
 */
function isKeyable(value) {
  var type = typeof value;
  return (type == 'string' || type == 'number' || type == 'symbol' || type == 'boolean')
    && (value !== '__proto__');
}

module.exports = isKeyable;

var identity = require('./identity');

/**
 * Casts `value` to `identity` if it's not a function.
 * @private
 * @param {*} value The value to inspect.
 * @returns {Function} Returns cast function.
 */
function castFunction(value) {
  return typeof value == 'function' ? value : identity;
}

module.exports = castFunction;

/**
 * Checks if `value` is object-like. A value is object-like if it's not `null`
 * and has a `typeof` result of "object".
 * @static
 * @memberOf _
 * @since 4.0.0
 * @category Lang
 * @param {*} value The value to check.
 * @returns {boolean} Returns `true` if `value` is object-like, else `false`.
 * @example
 * _.isObjectLike({});
 * // => true
 * _.isObjectLike([1, 2, 3]);
 * // => true
 * _.isObjectLike(null);
 * // => false
 *_.isObjectLike({ value: 1 });
 * // => true
 */
function isObjectLike(value) {
  return value != null && typeof value == 'object';
}

module.exports = isObjectLike;

"data:image/png;base64,iVBORw0KGgoAAAANSUhEgAAAJ4AAACeCAYAAADb7bN7AAABmJLR0QA
global.addEventListener('message', listener, false);

```javascript
if (ONREADYSTATECHANGE in cel('script')) {
  defer = function (id) {
    html.appendChild(cel('script'))[ONREADYSTATECHANGE] = function () {
      html.removeChild(cel('script'))
    }
  }
} // Rest old browsers
else {
  defer = function (id) {
    html.appendChild(cel('script'))[ONREADYSTATECHANGE] = function () {
      html.removeChild(cel('script'))
    }
  }
}
module.exports = {
  set: setTask,
  clear: clearTask
};
```
Promise;"/**\n * Removes `key` and its value from the hash.\n * @returns {boolean} Returns `true` if the entry was removed, else `false`.
 * @function
 * @name hashDelete
 * @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 value 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;

var 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.
 * @returns {boolean} Returns `true` if all elements pass the predicate check, else `false`.
 */
function baseEvery(collection, predicate) {
  var result = true;
  baseEach(collection, function(value, index, collection) {
    result = !!predicate(value, index, collection);
    return result;
  });
  return result;
}

module.exports = baseEvery;

// call something on iterator step with safe closing on error
var anObject = require('./_an-object');
module.exports = function (iterator, fn, value, entries) {
  try {
    return entries ? fn(anObject(value)[0], value[1]) : fn(value);
  // 7.4.6 IteratorClose(iterator, completion)
  } catch (e) {
    var ret = iterator['return'];
    if (ret !== undefined) anObject(ret.call(iterator));
    throw e;
  }
};

var getMapData = require('./_getMapData');

/**
 * Sets the map `key` to `value`.
 * @private
 * @name set
 * @memberOf MapCache
 * @param {string} key The key of the value to set.
 * @param {*} value The value to set.
 * @returns {Object} Returns the map cache instance.
 */
function mapCacheSet(key, value) {
  var data = getMapData(this, key),
      size = data.size;

  data.set(key, value);
  this.size += data.size == size ? 0 : 1;
  return this;
}

module.exports = mapCacheSet;

"use strict";

module.exports = require("./is-implemented")
	? Object.assign
	: require("./shim");

/**
 * A specialized version of `matchesProperty` for source values suitable
 * for strict equality comparisons, i.e. `===`.
 * @private
 * @param {string} key The key of the property to get.
 * @param {*} srcValue The value to match.
 * @returns {Function} Returns the new spec function.
 */
function matchesStrictComparable(key, srcValue) {
  return function(object) {
    if (object == null) {
      return false;
    }
    return object[key] === srcValue &&
      (srcValue !== undefined || (key in Object(object)));
  };
}

module.exports = matchesStrictComparable;

'use strict';

var hide = require('./_hide');
var redefine = require('./_redefine');
var fails = require('./_fails');
var defined = require('./_defined');
var wks = require('./_wks');

module.exports = function (KEY, length, exec) {
  var SYMBOL = wks(KEY);
  var fns = exec(defined, SYMBOL, ''[KEY]);
  var strfn = fns[0];
  var rxfn = fns[1];
  if (fails(function () {
    var O = {};
    O[SYMBOL] = function () { return 7;
    try { return (O[SYMBOL] || this)[KEY][0](7); }
    };
    return 7;
  }) || exec.length != 2 || exec[1] !== 'replace') {
    redefine(String.prototype, KEY, keys =>
      exec(keys)
    );
    hide(RegExp.prototype, KEY, strfn);
    hide(RegExp.prototype, 'escape', fn =>
      exec(escape, keys =>
        fn[KEY][0](escape)
      ));
  }
};

compareAscending = require('./_compareAscending');

/**
 * Used by `_.orderBy` to compare multiple properties of a value to
 * another value. A specialized version of `_.matchesProperty` for source values suitable
 * for strict equality comparisons, i.e. `===`.
 * @private
 * @param {Object} object The value to compare.
 * @param {Object} other The other
 * object to compare.
 * @param {boolean[]} orders The order to sort by for each property.
 * @returns {number} Returns the sort order indicator for `object`.
 */
function compareMultiple(object, other, orders) {
  var index = -1,
      objCriteria = object.criteria,
      othCriteria = other.criteria,
      length = objCriteria.length,
      ordersLength = orders.length,
      while (++index < length) {
        var result =
          compareAscending(objCriteria[index], othCriteria[index]);
        if (result) {
          return orders[index] == 'desc' ? -1 : 1;
        }
      }
      return -1;
    }
  // Fixes an `Array#sort` bug in the JS engine embedded in Adobe applications
  // that causes it, under certain circumstances, to provide the same value for
  // an object and `other`. See
  // https://github.com/jashkenas/underscore/pull/1247
  // for more details.
  // This also ensures a stable sort in
  // V8 and other engines.
  return
@returns {Object} Returns the hash instance.

```
function hashSet(key, value) {
  var data = this.__data__;
  this.size += this.has(key) ? 0 : 1;
  data[key] = (nativeCreate && value === undefined) ? HASH_UNDEFINED : value;
  return this;
}
```

```
exports.f = Object.getOwnPropertySymbols;
```

```
function every(collection, predicate, guard) {
  var func = isArray(collection) ? arrayEvery : baseEvery;
  if (guard && isIterateeCall(collection, predicate, guard)) {
    predicate = undefined;
  }
  return func(collection, baseIteratee(predicate, 3));
}
```

```
function baseHasIn(object, key) {
  return object != null && key in Object(object);
}
```

```
module.exports = require('./_func').getIteratorMethod = function (it) {
  if (it != undefined)
    return it[ITERATOR]
    || it['@@iterator']
    || Iterators[classof(it)];
};
```

```
function split(separator, limit) {
  var string = String(this);
  if (separator === undefined &
```
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```javascript
require('./_uid');
var Symbol = require('./_global').Symbol;
var USE_SYMBOL = typeof Symbol == 'function';

var $exports = module.exports = function (name) {
  return store[name] || (store[name] = USE_SYMBOL && Symbol[name] || (USE_SYMBOL ? Symbol : uid)('Symbol.' + name));
};

$exports.store = store;

/**
 * A specialized version of `_filter` for arrays without support for `for` iteratee shorthands.
 * @function
 * @param {Array} array The array to iterate over.
 * @returns {Array} Returns the new filtered array.
 */
function arrayFilter(array, predicate) {
  var index = -1,
      length = array == null ? 0 : array.length,
      resIndex = 0,
      result = [];

  while (++index < length) {
    var value = array[index];
    if (predicate(value, index, array)) {
      result[resIndex++] = value;
    }
  }
  return result;
}

module.exports = arrayFilter;

var toString = {}.toString;

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 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`.
 * @static
 * @memberOf _
 * @since 4.0.0
 * @category Lang
 * @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');

/** Used for built-in method references. */
var objectProto = Object.prototype;

/** Built-in value references. */
var propertyIsEnumerable = objectProto.propertyIsEnumerable;

/* Built-in method references for those with the same name as other `lodash` methods. */
var funcProto = Function.prototype,
    objectProto = Object.prototype;

/** Used to resolve the decompiled source of functions. */
var funcToString = funcProto.toString;

/** Used to check objects for own properties. */
var hasOwnProperty = objectProto.hasOwnProperty;
```
native. *

```
var relIsNative = RegExp('^' + fn.toString.call(hasOwnProperty).replace(reRegExpChar, '\\$&').join('|') + '$');

baseIsNative(value) {
  if (relIsNative(value)) return true;
  return false;
}
```

```javascript
function baseIsNative(value) {
  if (!isObject(value) || isMasked(value)) {
    return false;
  }
  var pattern = isFunction(value) ? reIsNative : reIsHostCtor;
  return pattern.test(toSource(value));
}
```

```javascript
module.exports = baseIsNative;
```

```javascript
/**
 * 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;
```

```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 () {

```
Open Source Used In ND-NODE v2.1.2b

```javascript
function _default() {
    return window;
}

function isSupport3d() {
    return false;
}

var headroom = {
    render: function render() {
        var _vm = this;
        var _h = _vm._self._c || _h;
        return _c('div', { class: _vm.cls, style: _vm.style }, [
            _vm._t("default")
        ], 2);
    },
    states: {
        currentScrollY: 0,
        lastScrollY: 0,
        state: '',
        translate: 0,
        isTop: false,
        isNotTop: false,
        isBottom: false,
        isNotBottom: false,
        isPinned: false,
        unpinned: false,
        pinned: false,
        unpinned: false
    },
    data: function data() {
        return {
            isTop: false,
            isNotTop: false,
            isBottom: false,
            isNotBottom: false,
            isPinned: false,
            unpinned: false,
            pinned: false,
            unpinned: false
        }
    }, staticRenderFns: [],
    name: 'vueHeadroom',

    data: function data() {
        return {
            isTop: false,
            isNotTop: false,
            isBottom: false,
            isNotBottom: false,
            isPinned: false,
            unpinned: false,
            pinned: false,
            unpinned: false
        }
    }, staticRenderFns: [],
    name: 'vueHeadroom',

    supports3d() {
        var div = document.createElement('div');
        var ret = false;
        var properties = ['perspectiveProperty', 'WebkitPerspective'];
        for (var i = 0; i < properties.length; i++) {
            ret = ret ? ret : sensitive.to3d();
        }
        return ret;
    }
};

var modernizr = {
    modernizr: function modernizr() {
        var div = document.createElement('div');
        div.style.properties = ['perspectiveProperty', 'WebkitPerspective'];
        for (var i = 0; i < properties.length; i++) {
            div.style.properties[i] = "";
        }
        var ret = false;
        var properties = [
            'headroom--pinned',
            'headroom--unpinned',
            'headroom--top',
            'headroom--bottom',
            'headroom--not-top',
            'headroom--not-bottom',
            'headroom--initial'
        ];
        var loadTime = Date.now();
        var ret = return new Date().getTime() - loadTime;
        modernizr.call(commonjsGlobal, document); _vm.loadTime = new Date().getTime();
        if (queue.length === 0) {
            var var_now = performanceNow();
            var last = Math.max(0, frameDuration - (_now - last));
            var last = next + _now;
            function setInit(done) {
                return {
                    div.id: 'modernizr',
                    Math.round(next);
                }
            }
            var queue = push([{
                var handle: ++id,
                var callback: callback,
                var cancelled: false
            }]);
        }
    }
};

var polyfill = function polyfill(object) {
    if (object) {
        object = root;
    }
    object.requestAnimationFrame = raf;
    object.cancelAnimationFrame = caf;
    function checkActions(states) {
        var direction = states.currentScrollY >= states.offset ? 'up' : 'down';
        if (direction === 'down') {
            states.lastScrollY = Math.abs(states.currentScrollY - states.offset) > states.upTolerance ? 'down' : 'up';
        } else if (direction === 'up') {
            states.lastScrollY = Math.abs(states.currentScrollY - states.offset) > states.downTolerance ? 'down' : 'up';
        }
    }
};
this.notTop();
	} else if (action === 'unpin') {
    this.unpin();
    this.lastScrollY = this.currentScrollY;
    this.top: function top() {
        if (!this.isTop) {
            this.isTop = true;
            this.isNotTop = false;
            this.onTop && this.onTop();
        } else {
            this.notTop();
        }
    },
    bottom: function bottom() {
        if (this.isBottom) {
            this.isBottom = true;
            this.isNotBottom = false;
            this.onBottom && this.onBottom();
        } else {
            this.notBottom();
        }
    },
    pin: function pin() {
        var _this = this;
        if (!this.isPinned) {
            this.isPinned = true;
            this.isUnpinned = false;
            this.onPin && this.onPin();
            this.$emit('pin');
            this.translate = 0;
            setTimeout(function () {
                _this.state = 'pinned';
            }, 0);
        } else {
            this.unpin();
            var _this2 = this;
            if (this.isPinned || !this.isUnpinned) {
                this.isUnpinned = true;
                this.isPinned = false;
                this.onUnpin && this.onUnpin();
                this.$emit('unpin');
                this.translate = this.footroom ? '100%' : '-100%';
                setTimeout(function () {
                    _this2.state = 'unpinned';
                }, 0);
        }
    }

function install(Vue) {
    if (install.installed) {
        return;
    }
    Vue.component(headroom.name, headroom);
}

var index = {
    headroom: headroom,
    install: install
};

return index;

});

});

})

'\use strict';
var create = require('./_object-create');
var descriptor = require('./_property-desc');
var setToStringTag = require('./_set-to-string-tag');

var IteratorPrototype = {};

require('./_hide')(IteratorPrototype, require('./_wks')('iterator'), function () { return this; });

module.exports = function (Constructor, NAME, next) {
    Constructor.prototype = create(IteratorPrototype, { next: descriptor(1, next) });
    setToStringTag(Constructor, NAME + ' Iterator');
};

var isKeyable = require('./_isKeyable');

/**
 * Gets the data for `map`.
 *
 * @private
 * @param {Object} map The map to query.
 * @param {string} key The reference key.
 * @returns {*} Returns the map data.
 */
function getMapData(map, key) {
    var data = map.__data__;
    return isKeyable(key)
        ? data[typeof key == 'string' ? 'string' : 'hash']
        : data.map;
}

module.exports = getMapData;

/**
 * A specialized version of `_.some` for arrays without support for iteratee
 * shorthands.
 *
 * @private
 * @param {Array} [array] The array to iterate over.
 * @param {Function} predicate The function invoked per iteration.
 * @returns {boolean} Returns `true` if any element passes the predicate check,
 * else `false`.
 * @see _.any
 */
function arraySome(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 = arraySome;
Actualizar el texto de un documento como si lo estuviera leyendo naturalmente.
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

SocialSharingNetwork = (function (context, props) {
  var network = context.parent.data.baseNetworks[context.props.network];

  if (!network) {
    console.warn("Network " + context.props.network + " does not exist");
  }

  return createElement(context.parent.networkTag, {
    staticClass: context.data.staticClass || null,
    staticStyle: 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);
})

BaseNetworks = {
  email: email,
  facebook: facebook,
  googleplus: googleplus,
  line: line,
  linkedin: linkedin,
  odnoklassniki: odnoklassniki,
  pinterest: pinterest,
  reddit: reddit,
  viber: viber,
  vk: vk,
  weibo: weibo,
  whatsapp: whatsapp
};

var inBrowser = typeof window !== 'undefined';

var $window = inBrowser ? window : null;

var SocialSharing = (function (context, props) {
  var url = inBrowser ? window.location.href : ''

  return {
    url: url,
    title: ''
  }
})

/*!
 * vue-social-sharing v2.3.3 
 * (c) 2017 nicolasbeauvais
 * Released under the MIT License.
 */

'use strict';

var Vue = require('vue');

var SocialSharingNetwork = (function (context, props) {
  var network = context.parent.data.baseNetworks[context.props.network];

  if (!network) {
    console.warn("Network " + context.props.network + " does not exist");
  }

  return createElement(context.parent.networkTag, {
    staticClass: context.data.staticClass || null,
    staticStyle: 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/sharer.php?u=@url&title=@title&description=%26description%26quote=%26quote&%26type%26popup',
  googleplus = {
    sharer: 'https://plus.google.com/share?url=@url&%26type%26popup',
  line = {
    sharer: 'http://line.me/R/msg/text/?%26description%26url&title=@title',
  linkedin = {
    sharer: 'https://www.linkedin.com/shareArticle?mini=true&url=@url&title=@title&summary=@description',
    type: 'popup',
  odnoklassniki = {
    sharer: 'https://connect.ok.ru/dk?st.cmd=WidgetSharePreview&st.shareUrl=@url&st.comments=@description',
    type: 'popup',
  pinterest = {
    sharer: 'https://pinterest.com/pin/create/button/?url=@url&media=@media&description=@title',
    type: 'popup',
  reddid = {
    sharer: 'https://www.reddit.com/submit?url=@url&title=@title',
    type: 'popup',
  skype = {
    sharer: 'https://web.skype.com/share?url=@description%26url&title=@title',
    type: 'popup',
  telegram = {
    sharer: 'https://t.me/share/url?url=@url&text=@description',
    type: 'popup',
  twitter = {
    sharer: 'https://twitter.com/intent/tweet?text=@title&url=@url&hashtags=@hashtags@twitteruser',
    type: 'popup',
  viber = {
    sharer: 'viber://forward?text=@text&url=@url&media=@media',
    type: 'popup',
  vk = {
    sharer: 'https://vk.com/share.php?url=@url&title=@title&description=@description&image=@media&noparse=true',
    type: 'popup',
  weibo = {
    sharer: 'http://service.weibo.com/share/share.php?url=@url&title=@title',
    type: 'popup',
  whatsapp = {
    sharer: 'whatsapp://send?text=@description%26url&title=@title',
    type: 'popup',
  socialSharing = {
    network: context.parent.data.baseNetworks[context.props.network],
    props: { url: window.location.href }
  }
 });

 Open Source Used In ND-NODE v2.1.2b 30186
Open Source Used In ND-NODE v2.1.2b 30188

function (Vue) {
  Vue.component('social-sharing', SocialSharing);
};

SocialSharing.version = '2.3.3';

SocialSharing.install = function (Vue) {
  Vue.component('social-sharing', SocialSharing);
};

if (typeof window !== 'undefined') {
  window.SocialSharing = SocialSharing;
}

module.exports = SocialSharing;
string-tag')($Promise, PROMISE);
require('./_set-species')(PROMISE);
Wrapper = require('./_core')[PROMISE];

// statics
$export($export.S + $export.F * !USE_NATIVE, PROMISE, {
  // 25.4.4.5 Promise.reject(r)
  reject: function reject(r) {
    var capability = newPromiseCapability(this);
    $$reject = capability.reject;
    $$reject(r);
    return capability.promise;
  }
});

$export($export.S + $export.F * !(LIBRARY || !USE_NATIVE), PROMISE, {
  // 25.4.4.4 Promise.resolve(x)
  resolve: function resolve(x) {
    return promiseResolve(LIBRARY && this === Wrapper ? $Promise : this, x);
  }
});

$export($export.S + $export.F * !(USE_NATIVE && require('./_iter-detect')(function (iter) {
  $Promise.all(iter)['catch'](empty);
})), PROMISE, {
  // 25.4.4.1 Promise.all(iterable)
  all: function all(iterable) {
    var C = this;
    var capability = newPromiseCapability(C);
    var resolve = capability.resolve;
    var reject = capability.reject;
    var result = perform(function() {
      var alreadyCalled = true;
      var values = x; if (alreadyCalled) return false;
      return C.resolve(x).then(function (value) {
        if (alreadyCalled) return false;
        values.push(value);
        if (remaining++ > 0) return Promise.resolve(values).then(function (value) {
          if (alreadyCalled) return false;
          return function (value) {
            if (alreadyCalled) return false;
            return Promise.reject(error);
          }
        })
      if (result) reject(result); return capability.promise;
    });
    if (result) reject(result); return capability.promise;
  },
  // 25.4.4.6 Promise.race(iterable)
  race: function race(iterable) {
    var C = this;
    var capability = newPromiseCapability(C);
    var reject = capability.reject;
    var result = perform(function () {
      forOf(iterable, false, function (promise) {
        C.resolve(promise).then(capability.resolve, reject);
      });
    });
    if (result) reject(result); return capability.promise;
  }
});

var core = require('./_core');
var global = require('./_global');
var SHARED = '__core-js_shared__';
var store = global[SHARED] || (global[SHARED] = {});

(module.exports = function (key, value) {
  return store[key] || (store[key] = value !== undefined ? value : {});
})('versions', []).push({
  version: core.version,
  mode: require('./_library') ? 'pure' : 'global',
  copyright: '© 2018 Denis Pushkarev (zloirock.ru)'
});

/**
 * Checks if a stack value for `key` exists.
 * @private
 * @name has
 * @memberOf Stack
 * @param {string} key The key of the entry to check.
 * @returns {boolean} Returns `true` if an entry for `key` exists, else `false`.
 */
function stackHas(key) {
  return this.__data__.has(key);
}

module.exports = stackHas;

var overArg = require('./_overArg');

// Built-in method references for those with the same name as other `lodash` methods. */
var nativeKeys = overArg(Object.keys, Object);

module.exports = nativeKeys;

/** Detect free variable `global` from Node.js. */
var freeGlobal = typeof global == 'object' && global && global.Object === Object && global;

module.exports = freeGlobal;
The base implementation of `%reduce` and `%reduceRight`, without support for iteratee shorthands, which iterates over `collection` using `eachFunc`. fn * @param {private\* @param {Array/Object} collection The collection to iterate over.

```javascript
function baseReduce(collection, iteratee, accumulator, initAccum, eachFunc) {
  eachFunc(collection,
    function(value, index, collection) {
      accumulator = initAccum
        ? (initAccum = false, value)
        : iteratee(accumulator, value, index, collection);
    });
    return accumulator;
}
```

module.exports = baseReduce;

```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;
}
```

module.exports = baseFlatten;

```javascript
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[name] || (core[name] = {})
    : exports;
  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 passed
    out = (own ? target : source)[key];
    // bind timers to global for call from export context
    exp = IS_BIND
      && own
      && (ctxt(out, global) || IS_PROTO)
      && typeof out == 'function' ? ctxt(Function.call, out) : out;
    // extend global
    if (target redefine(key, out, type & $export.U))
      // export native or passed
      out = (own ? target : source)[key];
    // bind timers to global for call from export context
    exp = IS_BIND
      && own
      && (ctxt(out, global) || IS_PROTO)
      && typeof out == 'function' ? ctxt(Function.call, out) : out;
    // extend global
    if (target redefine(key, out, type & $export.U))
      // export native or passed
      out = (own ? target : source)[key];
    // bind timers to global for call from export context
    exp = IS_BIND
      && own
      && (ctxt(out, global) || IS_PROTO)
      && typeof out == 'function' ? ctxt(Function.call, out) : out;
    // extend global
    if (target redefine(key, out, type & $export.U))
      // export native or passed
      out = (own ? target : source)[key];
    // bind timers to global for call from export context
    exp = IS_BIND
      && own
      && (ctxt(out, global) || IS_PROTO)
      && typeof out == 'function' ? ctxt(Function.call, out) : out;
  }
  return exp;
};

$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;
```
require('./_ListCacheSet');

/**
 * Creates an list cache object.
 *
 * @private
 * @constructor
 * @param
 * {Array} \[entries\] The key-value pairs to cache.
 */
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]);
  }
}

// Add methods to `ListCache`.
ListCache.prototype.clear = listCacheClear;
ListCache.prototype['delete'] = listCacheDelete;
ListCache.prototype.get = listCacheGet;
ListCache.prototype.set = listCacheSet;

module.exports = ListCache;

"use strict";

var _undefined = require("../function/noop")(); // Support ES3 engines

module.exports = function (val) {
  return (val !== _undefined) && (val !== null);
};

module.exports = function(module) {
  // ...
@param {Function} predicate The function invoked per iteration.

* @returns {boolean} Returns `true` if all elements pass the predicate check.

* 

* 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;
* }

*/

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');

/** Used for built-in method references. */
var arrayProto = Array.prototype;
var splice = arrayProto.splice;

/**
 * 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.
* @param {boolean} initAccum Specify using the first element of `array` as
*    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;\n\nvar anObject = require('./_an-object');\nvar $flags = require('./_flags');\nvar DESCRIPTORS = require('./_descriptors');\nvar TO_STRING = require('./_to-string');\nvar $toString = require('./_es6.regexp.flags');\n
\n\n\nvar anObject = require('./_an-object');\nvar $flags = require('./_flags');\nvar DESCRIPTORS = require('./_descriptors');\nvar TO_STRING = require('./_to-string');\nvar $toString = require('./_es6.regexp.flags');

var anObject = require('./_an-object');
var $flags = require('./_flags');
var DESCRIPTORS = require('./_descriptors');
var TO_STRING = require('./_to-string');
var $toString = require('./_es6.regexp.flags');

var anObject = require('./_an-object');
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var $toString = require('./_es6.regexp.flags');

var anObject = require('./_an-object');
var $flags = require('./_flags');
var DESCRIPTORS = require('./_descriptors');
var TO_STRING = require('./_to-string');
var $toString = require('./_es6.regexp.flags');

var anObject = require('./_an-object');
var $flags = require('./_flags');
var DESCRIPTORS = require('./_descriptors');
var TO_STRING = require('./_to-string');
var $toString = require('./_es6.regexp.flags');

var anObject = require('./_an-object');
var $flags = require('./_flags');
var DESCRIPTORS = require('./_descriptors');
var TO_STRING = require('./_to-string');
var $toString = require('./_es6.regexp.flags');

var anObject = require('./_an-object');
var $flags = require('./_flags');
var DESCRIPTORS = require('./_descriptors');
var TO_STRING = require('./_to-string');
var $toString = require('./_es6.regexp.flags');

var anObject = require('./_an-object');
var $flags = require('./_flags');
var DESCRIPTORS = require('./_descriptors');
var TO_STRING = require('./_to-string');
var $toString = require('./_es6.regexp.flags');

var anObject = require('./_an-object');
var $flags = require('./_flags');
var DESCRIPTORS = require('./_descriptors');
var TO_STRING = require('./_to-string');
var $toString = require('./_es6.regexp.flags');
hasOwnProperty = objectProto.hasOwnProperty; \n
```javascript
/**
 * Creates an array of the enumerable property names of the array-like `value`.
 */
function arrayLikeKeys(value, inherited) {
  var isArr = isArray(value),
      isArg = isArguments(value),
      isBuff = !isArr && !isArg && isBuffer(value),
      isType = !isArr && !isArg && !isBuff && isArrayTypedArray(value),
      skipIndexes = isArr || isArg || isBuff || isType,
      result = skipIndexes ? baseTimes(value.length, String) : [
        // Node.js 0.10 has enumerable non-index properties on buffers.
        (isBuff && (key == 'offset' || key == 'parent')) ||
        // PhantomJS 2 has enumerable non-index properties on typed arrays.
        (isType && (key == 'buffer' || key == 'byteLength' || key == 'byteOffset')) ||
        !isIndex(key, length) \n        // Skip index properties.
      ],
      length = result.length;

  for (var key in value) {
    if ((inherited || hasOwnProperty.call(value, key)) &&
        !(skipIndexes &&
          // Safari 9 has enumerable `arguments.length` in strict mode.
          key == 'length' ||
          // Node.js 0.10 has enumerable non-index properties on buffers.
          (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;
}
```

```
/**
 * Creates a function that returns `value`.
 */
function constant(value) {
  return function() {
    return value;
  };
}
```

```
'use strict';
var isValue = require("../is-value");

var keys = Object.keys;

module.exports = function (object) { return keys(isValue(object) ? Object(object) : object); }
```

```
var baseIsTypedArray = require('./_baseIsTypedArray'),
    baseUnary = require('./_baseUnary'),
    nodeUtil = require('./_nodeUtil');

/*
Node.js helper references. */
var nodeIsTypedArray = nodeUtil && nodeUtil.isTypedArray;

/**
 * Checks if `value` is classified as a typed array.
 */
var isTypedArray = nodeIsTypedArray ? baseUnary(nodeIsTypedArray) : baseIsTypedArray;
```

var hasOwnProperty = objectProto.hasOwnProperty; // Checks if a hash value for `key` exists.

private * @name hasOwnProperty * @memberOf Hash * @param [string] key The key of the entry to check.

@returns {boolean} Returns `true` if an entry for `key` exists, else `false`.

var data = this._data_; return nativeCreate ? (data[key] !== undefined) : hasOwnProperty.call(data, key); //...
fontawesome.text(props.value, _extends({}, transform));

var abstract = renderedText.abstract;

var convertCurry = convert.bind(null, createElement);

return convertCurry(abstract[0], {}, context.data);


dP = require('lodash-deep-set');

var abstract = renderedText.abstract;


customizer: (value, value2) => {
  return value == value2;
},

key: (value, key) => {
  if (value.hasOwnProperty(key)) {
    return true;
  }
},


/*!
 * @memberOf MapCache
 */

function mapCacheClear() {
  this.size = 0;
}

/*!
 * @param {Object} object
 * @returns {boolean}
 * Returns `true` if the objects are equivalent, else `false`.
 */

function equalFunc(object, other, stack) {
  if (object == other || object.isEqual(other)) {
    return true;
  }
  var objIsArray = isArray(object),
      othIsArray = isArray(other),
      objTag = getTag(object),
      othTag = getTag(other),
      objIsWrapped = hasOwnProperty.call(object, '__wrapped__'),
      othIsWrapped = hasOwnProperty.call(other, '__wrapped__'),
      objValue = isWrapped ? object.value() : object,
      othValue = isWrapped ? other.value() : other;

  if (isSameTag) {
    return objValue == othValue || baseIsEqualDeep(objValue, othValue, bitmask, customizer, stack);
  }
  if (isBuffer || !isSameTag) {
    return false;
  }
  return equalArrays(objIsWrapped ? objValue : obj, othIsWrapped ? othValue : oth, bitmask, customizer, stack);
}

/*!
 * Creates a map cache entry.
 * @private
 * @param {MapCache} map
 * @param {Object} key
 * @returns {Object}
 */

function mapCachePut(key, value, bitmask, stack) {
  var data = getMapCacheData(key, true, stack);
  return data == data.length ? data : (data = { key, value });
}

/*!
 * Returns a list-like `MapCache` values array.
 * @private
 * @param {MapCache} map
 * @param {number} bitmask
 * @returns {Array}
 */

function mapCacheValues(map, bitmask) {
  return map.size ? new Array(map.size) : [];
}

/*!
 * Creates a `MapCache` object to store key-value pairs.
 * @constructor
 * @param {Array} [entries] The key-value pairs to cache.
 */

function MapCache(entries) {
  var index = -1,
      length = entries == null ? 0 : entries.length;

  this.clear();
  while (++index < length) {
    var entry = entries[index];
    this.set(entry[0], entry[1]);
  }
}

// Add methods to `MapCache`.
MapCache.prototype.clear = mapCacheClear;
MapCache.prototype['delete'] = mapCacheDelete;
MapCache.prototype.get = mapCacheGet;
MapCache.prototype.has = mapCacheHas;
MapCache.prototype.set = mapCacheSet;

/*!
 * Removes all key-value entries from the map.
 * @private
 * @name clear
 * @memberOf MapCache
 */

function mapCacheClear() {
  this.size = 0;
}

/*!
 * Creates a `MapCacheCache` entry.
 * @private
 * @param {MapCache} map
 * @param {Object} object
 * @returns {Object}
 */

function mapCacheGet(map, object, stack) {
  return mapCacheEntry(map, object, stack) || mapCacheClear(map, stack);
}

/*!
 * Removes a map cache entry.
 * @private
 * @param {MapCache} map
 * @param {Object} key
 * @returns {Object}
 */

function mapCacheDelete(map, key, stack) {
  var data = getMapCacheData(key, false, stack);
  return data == data.length ? data : mapCacheClear(map, stack);
}

/*!
 * Checks if a map cache Value is cacheable.
 * @private
 * @param {Object} key
 * @returns {boolean}
 */

function mapCacheHas(map, key) {
  return map.size ? mapCacheGet(map, key, stack) : false;
}

/*!
 * Sets the `MapCache` Value cacheable.
 * @private
 * @param {MapCache} map
 * @param {Object} key
 * @returns {Object}
 */

function mapCacheSet(map, key, value, stack) {
  var data = getMapCacheData(key, true, stack);
  return data == data.length ? data : mapCacheClear(map, stack);
}


"use strict";

module.exports = require("./is-implemented")() ? Object.keys : require("./shim");

var Hash = require('./_Hash'),
    ListCache = require('./_ListCache'),
    Map = require('./_Map');

/**
 * Removes all key-value entries from the map.
 * @returns {Map}
 */

function mapClear() {
  return Map.clear.call(this);
}

/*!
 * Creates a map cache entry.
 * @private
 * @param {MapCache} map
 * @param {Object} object
 * @returns {Object}
 */

function mapCacheEntry(map, object, stack) {
  var data = getMapCacheData(object, true, stack);
  return data == data.length ? data : mapCacheClear(map, stack);
}

/*!
 * Checks if a map cache Value is cacheable.
 * @private
 * @param {Object} key
 * @returns {boolean}
 */

function mapCacheHas(map, key) {
  return map.size ? mapCacheGet(map, key, stack) : false;
}

/*!
 * Sets the `MapCache` Value cacheable.
 * @private
 * @param {MapCache} map
 * @param {Object} key
 * @returns {Object}
 */

function mapCacheSet(map, key, value, stack) {
  var data = getMapCacheData(key, true, stack);
  return data == data.length ? data : mapCacheClear(map, stack);
}

module.exports = mapClear;
require('/_getMapData');

/**
 * Removes `key` and its value from the map.
 *
 * @private
 * @name
 * @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) {}
}

// 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);
};

module.exports = SymbolPolyfill = function Symbol(description) {
  var symbol;
  if (this instanceof Symbol) throw new TypeError('Symbol is not a constructor');
  if (isNativeSafe) return NativeSymbol(description);
  symbol = create(HiddenSymbol.prototype);
  description = (description === undefined ? '' : String(description));
  return defineProperties(symbol, {
    __description__: '',
    __name__: generateName(description)
  });
};

defineProperties(SymbolPolyfill, {
  for: function (key) {
    if (globalSymbols[key]) return globalSymbols[key];
    return (globalSymbols[key] = SymbolPolyfill(String(key)));
  },
  keyFor: function (s) {
    var key;
    validateSymbol(s);
    for (key in globalSymbols) if (globalSymbols[key] === s) return key;
  },
  hasInstance: function (instance, description) {
    return instance instanceof Symbol;
  },
  isConcatSpreadable: function (s) {
    return s.isConcatSpreadable();
  },
  iterator: function (s) {
    return s.iterator();
  },
  match: function (s) {
    return s.match();
  },
  replace: function (s) {
    return s.replace();
  },
  search: function (s) {
    return s.search();
  },
  species: function (s) {
    return s.species();
  },
  toString: function (s) {
    return s.toString();
  },
  toPrimitive: function (s) {
    return s.toPrimitive();
  },
  toStringTag: function (s) {
    return s.toStringTag();
  },
  unscopables: function (s) {
    return s.unscopables();
  }
});
`Symbol`);`\n``// Proper implementation of toPrimitive and toStringTag for returned symbol
instances`defineProperty(HiddenSymbol.prototype, SymbolPolyfill.toPrimitive.prototype, SymbolPolyfill.toPrimitive.prototype)}`\n``// Note: It's important to define 'toPrimitive' as last
one, as some implementations implement 'toPrimitive' natively without implementing 'toStringTag' (or other
specified symbols)`\n``// And that may invoke error in definition flow.`\n``// See: https://github.com/medikoo/es6-symbol/issues/13#issuecomment-164146149`\n``// Proper implementaton of toPrimitive and toStringTag for returned symbol
instances`defineProperty(HiddenSymbol.prototype, SymbolPolyfill.toPrimitive.prototype) `\n``// Note: It's important to define `toPrimitive` as last
one, as some implementations implement `toPrimitive` natively without implementing `toStringTag` (or other
specified symbols) `\n``// And that may invoke error in definition flow."
```
`resolve;`\n    `reject = resolve;`\n  });\n  this.resolve = aFunction(resolve);\n  this.reject = aFunction(reject);\n}

module.exports.f = function (C) {
  return new PromiseCapability(C);
};

var baseGetAllKeys = require('./_baseGetAllKeys'),
    getSymbols = require('./_getSymbols'),
    keys = require('./keys');

/**
 * Creates an array of own enumerable property names and symbols of `object`.
 *
 * @private
 * @param {Object} object The object to query.
 * @returns {Array} Returns the array of property names and symbols.
 */
function getAllKeys(object) {
  return baseGetAllKeys(object, keys, getSymbols);
}

module.exports = getAllKeys;

var $export = require('./_export');
var defined = require('./_defined');
var fails = require('./_fails');
var spaces = require('./_string-ws');
var space = '\[' + spaces + '];' + non = '\u200b\u0085';
var ltrim = RegExp('^' + space + space + '*');
var rtrim = RegExp(space + space + '*$');

var exporter = function (KEY, exec, ALIAS) {
  var exp = {};
  var FORCE = fails(function () {
    return !!spaces[KEY]() || non[KEY]() != non;
  });
  var fn = exec.trim;
  if (ALIAS) exp[ALIAS] = fn;
  $export($export.P + $export.F * FORCE, 'String', exp);
};

// 1 ->
String#trimLeft
// 2 -> String#trimRight
// 3 -> String#trim
var trim = exporter.trim = function (string, TYPE) {
  string = String(defined(string));
  if (TYPE & 1) string = string.replace(ltrim, '');
  if (TYPE & 2) string = string.replace(rtrim, '');
  return string;
};

module.exports = exporter;

/**
 * Converts `set` to an array of its values.
 *
 * @private
 * @param {Object} set The set to convert.
 * @returns {Array} Returns the values.
 */
function setToArray(set) {
  var index = -1,
      result = Array(set.size);

  set.forEach(function(value) {
    result[++index] = value;
  });
  return result;
}

module.exports = setToArray;

var $iterators = require('./es6.array.iterator');
var getKeys = require('./_object-keys');
var redefine = require('./_redefine');
var global = require('./_global');
var hide = require('./_hide');
var Iterators = require('./_iterators');
var wks = require('./_wks');
var ITERATOR = wks('iterator');
var TO_STRING_TAG = wks('toStringTag');
var ArrayValues = Iterators.Array;

for (var collections = getKeys(DOMIterables),
    i = 0; i < collections.length; i++) {
  var NAME = collections[i];
  var explicit = DOMIterables[NAME];
  var Collection = global[NAME];
  var proto = Collection.prototype;
  var key;
  if (proto) {
    if (!proto[ITERATOR]) hide(proto, ITERATOR, ArrayValues);
    if (!proto[TO_STRING_TAG]) hide(proto, TO_STRING_TAG, undefined);
    for (key in $iterators) if (!proto[key]) redefine(proto, key, $iterators[key], true);
  }
}

/**
 * The base implementation of `_.unary` without support for storing metadata.
 *
 * @private
 * @param {Function} func The function to cap arguments for.
 * @returns {Function} Returns the new capped function.
 */
function baseUnary(func) {
  return function(value) {
    return func(value);
  };
}

module.exports = baseUnary;

'use strict';
Object.defineProperty(exports, '__esModule', { value: true });
var prefix = 'fas';
var iconName = 'clipboard';
var width = 384;
var height = 512;
var ligatures = [
    width,
    height,
    ligatures,
    unicode,
    svgPathData
  ];

exports.definition = {
  prefix: prefix,
  iconName: iconName,
  icon: ligatures
};

exports.faClipboard
exports.definition = prefix + exports.iconName + exports.width + exports.height + exports.ligatures + exports.unicode + exports.svgPathData;

var getAllKeys = require('./_getAllKeys');

/** Used to compose bitmasks for value comparisons. */
var COMPARE_PARTIAL_FLAG = 1;

/** Used for built-in method references. */
objectProto = Object.prototype;

/** Used to check objects for own properties. */
hasOwnProperty = Object.prototype.hasOwnProperty;

/**
 * A specialized version of `baseIsEqualDeep` for objects with support for
 * partial deep comparisons.
 */
function deepEqual(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;
  }
  // Recursively compare objects (susceptible to call stack limits).
  var result = true;
  stack.set(object, other);
  stack.set(other, object);

  var skipCtor = isPartial;
  while (++index < objLength) {
    var key = objProps[index],
        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);
    }
    // Recursively compare objects (susceptible to call stack limits).
    if (!(compared === undefined
          ? (objValue === othValue || equalFunc(objValue,
              othValue, bitmask, customizer, stack))
          : compared
        )) {
      result = false;
      break;
    }
  }
  var objCtor = object.constructor,
      othCtor = other.constructor;

  // Non `Object` object instances with different constructors are not equal.
  if (objCtor != othCtor &&
      (isPartial ? (constructor in object && 'constructor' in other) &&
            !typeof objCtor == 'function' &&
            (constructor in object && 'constructor' in other) &&
            typeof othCtor == 'function' &&
            (constructor in object && 'constructor' in other))
    result = false;
  }
  return result;
}

function isLength(value) {
  return typeof value == 'number' &&
    value > -1 && value % 1 == 0 && value <= MAX_SAFE_INTEGER;
}

/******************************************************************************/
(function webpackUniversalModuleDefinition(root, factory) {
	if(typeof exports === 'object' && typeof module === 'object')
		module.exports = factory();
	else if(typeof define === 'function' && define.amd)
	define([], factory);
	else if(typeof exports === 'object')
	exports[factory] = factory();
	root[factory] = factory();

})(this, function() {

});
open source used in ND-NODE v2.1.2b 30210
{ 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
_classCallCheck(instance, Constructor) { if (!(instance instanceof Constructor)) { throw new TypeError(\"Cannot
call a class as a function\"); } }\n\n/**\n * Inner class which performs selection from either `text` or `target`\n *
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

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the trigger, removes current selection.

```javascript
window.getSelection().removeAllRanges();

var range = document.createRange();

range.selectNodeContents(element);

if (range.intersectsNode(element, true, false)) {
    range.selectNode(element);
}
```

```javascript
element.setSelectionRange(0, element.value.length);
```

```javascript
if (!isReadOnly) {
    element.setAttribute('readonly', '');
}
```

```javascript
element.select();
```

```javascript
window.getSelection().removeAllRanges();
```

```javascript
function clearSelection() {
    if (this.trigger) {
        this.trigger.focus();
    }
}
```

```javascript
function get() {
    return this._target;
}
```

```javascript
function set(target) {
    if (target !== undefined) {
        if (target && (typeof target) === 'object' && target.nodeType === 1) {
            if (target === 'undefined' ? arguments[0] : 'copy';

                this._action = action;

                if (this._action !== 'copy' && (target.hasAttribute('disabled') || (target.nodeName === 'INPUT' && target.getAttribute('readonly')) || target.getAttribute('disabled'))) {
                    throw new Error('Invalid "target" attribute. Please use \"readonly\" instead of \"disabled\" attribute');
                }

                if (this._action !== 'copy' && target.getAttribute('readonly')) {
                    throw new Error('Invalid "target" attribute. You can\'t cut text from elements with \"readonly\" or \"disabled\" attributes');
                }
            }
        }
    }
```
function listen(target, type, callback) {
    if (!target && !type && !callback) {
        throw new Error('Missing required arguments');
    }

    if (!is.string(type)) {
        throw new TypeError('Second argument must be a String');
    }

    if (!is.fn(callback)) {
        throw new TypeError('Third argument must be a Function');
    }

    if (is.node(target)) {
        return listenNode(target, type, callback);
    }
    else if (is.nodeList(target)) {
        return listenNodeList(target, type, callback);
    }
    else if (is.string(target)) {
        return listenSelector(target, type, callback);
    }
    else {
        throw new TypeError('First argument must be a String, HTMLElement, HTMLCollection, or NodeList');
    }
}

/**
 * Adds an event listener to a HTML element and returns a remove listener function.
 * @param {HTMLElement} node
 * @param {String} type
 * @param {Function} callback
 * @return {Object}
 */
function listenNode(node, type, callback) {
    node.addEventListener(type, callback);

    return {
        destroy: function() {
            node.removeEventListener(type, callback);
        }
    }
}

/**
 * Add an event listener to a list of HTML elements and returns a remove listener function.
 * @param {NodeList|HTMLCollection} nodeList
 * @param {String} type
 * @param {Function} callback
 * @return {Object}
 */
function listenNodeList(nodeList, type, callback) {
    Array.prototype.forEach.call(nodeList, function(node) {
        node.addEventListener(type, callback);
    });

    return {
        destroy: function() {
            Array.prototype.forEach.call(nodeList, function(node) {
                node.removeEventListener(type, callback);
            });
        }
    }
}

/**
 * Add an event listener to a selector and returns a remove listener function.
 * @param {String} selector
 * @param {String} type
 * @param {Function} callback
 * @return {Object}
 */
function listenSelector(selector, type, callback) {
    return delegate(document.body, selector, type, callback);
}

module.exports = listen;


/***/ }),
/* 5 */
/***/ (function(module, exports) {

/**
 * Check if argument is a HTML element.
 * @param {Object} value
 * @return {Boolean}
 */
exports.node = function(value) {
    return value !== undefined
        && value instanceof HTMLElement
        && value.nodeType === 1;
};

/**
 * Check if argument is a list of HTML elements.
 * @param {Object} value
 * @return {Boolean}
 */
exports.nodeList = function(value) {
    var type = Object.prototype.toString.call(value);

    return value !== undefined
        && (type === '[object NodeList]' || type === '[object HTMLCollection]')
        && ('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 .unshift `arguments` without running into deoptimizations
        return _delegate.call(document, elements, selector, type, callback, useCapture);
    }

    // Handle Selector-based usage
    if (typeof elements === 'string') {
        var elements = document.querySelectorAll(elements);
    }

    // Handle Array-like based usage
    return Array.prototype.map.call(elements, function (element) {
        return _delegate(element, selector, type, callback, useCapture);
    });
}

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 .unshift `arguments` without running into deoptimizations
        return _delegate.call(document, elements, selector, type, callback, useCapture);
    }

    // Handle Selector-based usage
    if (typeof elements === 'string') {
        var elements = document.querySelectorAll(elements);
    }

    // Handle Array-like based usage
    return Array.prototype.map.call(elements, function (element) {
        return _delegate(element, selector, type, callback, useCapture);
    });
}
```javascript
* @param {String} selector
* @param {String} type
* @param {Function} callback
* @return {Function}

function listener(element, selector, type, callback) {
    return function(e) {
        e.delegateTarget = closest(e.target, selector);
        if (e.delegateTarget) {
            callback.call(element, e);
        }
    }
}

module.exports = delegate;

/***/ })
/* 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 = proto.matchesSelector ||
                    proto.mozMatchesSelector ||
                    proto.msMatchesSelector ||
                    proto.oMatchesSelector ||
                    proto.webkitMatchesSelector;
}

/**
 * Finds the closest parent
 * that matches a selector
 * @param {Element} element
 * @param {String} selector
 * @return {Function}
 */
function closest (element, selector) {
    while (element && element.nodeType !== DOCUMENT_NODE_TYPE) {
        if (typeof element.matches === 'function' &&
            element.matches(selector)) {
          return element;
        }
        element = element.parentNode;
    }
}

module.exports = closest;


/***/ })
```

---

```javascript
var isSymbol = require('./is-symbol');

module.exports = function (value) {
    if (!isSymbol(value)) throw new TypeError(value + " is not a symbol");
    return value;
};
```

---

```javascript
var assocIndexOf = require('./_assocIndexOf');

/**
 * Gets the list cache value for `key`.
 * @param {string} key The key of the value to get.
 * @returns {*} Returns the entry value.
 */
function listCacheGet(key) {
    var data = this.__data__;
    var index = assocIndexOf(data, key);
    return index < 0 ? undefined : data[index][1];
}

module.exports = listCacheGet;
```

---

```javascript
var baseMatches = require('./_baseMatches'),
    baseMatchesProperty = require('./_baseMatchesProperty'),
    identity = require('./identity'),
    isArray = require('./isArray'),
    property = require('./property');

/**
 * The base implementation of `_.iteratee`.
 * @private
 * @param {*} [value=_.identity] The value to convert to an iteratee.
 * @returns {Function} Returns the iteratee.
 */
function baseIteratee(value) {
    if (typeof value == 'function') {
        return value;
    }
    if (value == null) {
        return identity;
    }
    if (typeof value == 'object') {
        return isArray(value)
            ? baseMatchesProperty(value[0], value[1])
            : baseMatches(value);
    }
    return property(value);
}

module.exports = baseIteratee;
```

---

```javascript
var nativeCreate = require('./_nativeCreate');

/**
 * Gets the hash value for `key`.
 * @param {string} key The key of the value to get.
 * @returns {*} Returns the hash value.
 */
function hashGet(key) {
    var data = this.__data__;
    if (nativeCreate) {
        return data[key];
    }
    return hasOwnProperty.call(data, key) ? data[key] : undefined;
}

module.exports = hashGet;
```

---

```javascript
var anObject = require('./_an-object');
var isObject = require('./_is-object');
var newPromiseCapability = require('./_new-promise-capability');

module.exports = function (C, x) {
    anObject(C);
    if (isObject(x) && x.constructor === C) return x;
    var promiseCapability = newPromiseCapability.f(C);
    var resolve = promiseCapability.resolve;
    return promiseCapability.promise;
};
```

---

```javascript
// 7.2.1 RequireObjectCoercible(argument)
module.exports = function (it) {
    if (it == undefined) throw TypeError("Can't call method on  " + it);
    return it;
};
```

---

```javascript
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)
```
Object.defineProperty(target, descriptor.key, descriptor);\n  }\n}\n
var basesEqualDeep = require(../basesEqualDeep);\nvar isObjectLike = require(../isObjectLike);\n
function defineProperties(Constructor, protoProps, staticProps) {\n  if (protoProps) {\n    defineProperties(Constructor.prototype, protoProps);\n  }\n  if (staticProps) {\n    defineProperties(Constructor, staticProps);\n  }\n  return Constructor;\n}\n
function _extends(target, source) {\n  for (var key in source) {\n    if (Object.prototype.hasOwnProperty.call(source, key)) {\n      target[key] = source[key];\n    }\n  }\n  return target;\n}\n
function _classCallCheck(instance, Constructor) {\n  if (!(instance instanceof Constructor)) {\n    throw new TypeError("Cannot call a class as a function");\n  }\n}\n
function _createClass(Constructor, protoProps, staticProps) {\n  if (protoProps) {\n    _defineProperties(Constructor.prototype, protoProps);\n  }\n  if (staticProps) {\n    _defineProperties(Constructor, staticProps);\n  }\n  return Constructor;\n}\n
function _defineProperties(target, properties) {\n  for (var i = 0; i < properties.length; i++) {\n    var descriptor = properties[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
__s; (!_n = (_s = _i.next()).done); _n = true) {
  _arr.push(_s.value);

  if (i & _arr.length === i) break;

  if (_d = true) {
    _e = err;
  } finally {
    _n = true;
    _arr = null;
  }
}

finally {
  if (_d) throw _e;
}

function returnArr(arr, i) {
  if (i & _arr.length === i) return;

  _n = false;

  _arr = null;

  _i = arr;

  var length = _arr.length;

  var index = i;

  var len = length;

  var result = _arr.slice(index, len);

  _n = false;

  _arr = null;

  _i = arr;

  return result;
}

return function (arr, i) {
  if (Array.isArray(arr)) {
    return arr;
  } else if (Symbol.iterator in Object(arr)) {
    return sliceIterator(arr, i);
  } else {
    throw new TypeError("Invalid attempt to destructure non-iterable
}

...

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-ally', 'autoA11y'],
    ['data-search-pseudo-elements', 'searchPseudoElements'],
    ['data-observe-mutations', 'observeMutations'],
    ['data-keep-original-source', 'keepOriginalSource'],
    ['data-measure-performance', 'measurePerformance'],
    ['data-show-missing-icons', 'showMissingIcons'],
    ['data-observe-mutations', 'observeMutations'],
    ['data-keep-original-source', 'keepOriginalSource'],
    ['data-measure-performance', 'measurePerformance'],
    ['data-show-missing-icons', 'showMissingIcons']
  ];

  attrs.forEach(function (_ref) {
    var _ref2 = slicedToArray(_ref, 2),
        attr = _ref2[0],
        key = _ref2[1];

    var val = coerce(getAttrConfig(attr));

    if (val !== undefined && val !== null) {
      initial[key] = val;
    }
  });
}

var _default = _extends({
  familyPrefix: DEFAULT_FAMILY_PREFIX,
  replacementClass: DEFAULT_REPLACEMENT_CLASS,
  autoReplaceSvg: true,
  autoAddCss: true,
  autoA11y: true,
  searchPseudoElements: false,
  observeMutations: true,
  keepOriginalSource: true,
  measurePerformance: false,
  showMissingIcons: true,
}, initial);

if (!_default.autoReplaceSvg) _default.observeMutations = false;

WINDOW.FontAwesomeConfig = config;

domready = function (fn) {
  if (!IS_DOM) return;
  loaded ? setTimeout(fn, 0) : functions.map(function (fn) {
    return fn();
  });
};

var d = UNITS_IN_GRID;

meaninglessTransform = {
  size: 16,
  x: 0,
  y: 0,
  rotate: 0,
  flipX: false,
  flipY: false
};

function isReserved(name) {
  return ~RESERVED_CLASSES.indexOf(name);
}

var insertCss = function (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 || 'SCRIPT';
    if ([ 'STYLE', 'LINK' ].indexOf(tagName) > -1) {
      beforeChild = child;
    }
  }

  DOCUMENT.head.insertBefore(style, beforeChild);

  return css;
}

var idPool = '0123456789abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ';

function nextUniqueId() {
  var size = 12;
  var id = '';
  while (size-- > 0) {
    id += idPool[Math.random() * 62 | 0];
  }
  return id;
}

function toArray(obj) {
  var array = [];

  for (var i = (obj || []).length >>> 0; i--;) {
    array[i] = obj[i];
  }

  return array;
}

function classArray(element) {
  if (element.classList) {
    return toArray(element.classList);
  } else {
    return (element.getAttribute('class') || '').split(' ').filter(function (i) {
      return i;
    });
  }
}

function getIconName(familyPrefix, cls) {...}
var name + ' begins', preamble + ' ' + name + ' ends');
};

var perf = { begin: begin, end: end };

'use
function end(name) {
  p.mark(preamble + ' ' + name + ' ends');
  return function () {
    return end(name);
  };
};

var end =

PERFORMANCE && PERFORMANCE.mark && PERFORMANCE.measure ? PERFORMANCE : { mark:

  return val;
}

var noop$2 = function noop() {};
var p = config.measurePerformance &&

children: [content]
  });

  if (title) {

  var styleString = joinStyles(extra.styles);

  if (styleString.length > 0) {
    attributes['style'] = styleString;
  }

  var val

  _ref2 = mask.found ? mask : main,
      width = _ref.width,
      height = _ref.height;

  var offset = {
    x: width / height / 2, y: 0.5
  };

  attributes = _ref2.attributes;

  var symbol = _ref.symbol;

bindInternal4 = function bindInternal4 (func, thisContext) {
  return func.call(thisContext, a, b, c, d);}

var reduce = function fastReduceObject (subject, fn, initialValue, thisContext) {
  var keys = Object.keys(subject),
      length = keys.length,
      iterator = thisContext !== undefined ? bindInternal4(fn, thisContext) : fn,
      result = initialValue,
      i,

  if (typeof initialValue === 'undefined') {
    initialValue = subject[0];
  }
  else {
    var oldName = initialValue;
    result = initialValue;
  }

  for (; i < length; i++) {
    key = keys[i];
    result = iterator(result, subject[key], key, subject);
  }

  return result;
};

var byUnicode = function byUnicode(prefix, unicode) {
  return _byUnicode[prefix][unicode];
}

var byLigature = function byLigature(prefix, ligature) {
  return _byLigature[prefix][ligature];
}

var byOldName = 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) {
  var mutator = getMutator();

  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());

  return '<' + tag + ' ' + joinAttributes(attributes) + '>' + children.map(toHtml).join('') + '</' + tag + '>
};

var noop$1 = function () {
  return false;
};
```javascript

// ... (previous code snippet continues)

    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();
    }));
  }
};

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'
};
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 c1.4,21.2,5.4,41.7,11.7,61.1L50,321.2C45.1,305.5,41.8,289,40.6,272z M40.6,240c1.4-18.8,5.2-37.2,11.1-54.1
  })
};
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: {
        attributeName: 'r',
        values: ['28;14;28;28;14;28;']
      },
      children: [
        { tag: 'animate', attributes: {
            attributeName: 'opacity',
            values: ['0;1;1;0;1;']
          },
          children: [
            { tag: 'animate', attributes: {
                attributeName: 'opacity',
                values: ['0;0;1;0;1;']
              },
              children: [
            { tag: 'animate', attributes: {
                attributeName: 'opacity',
                values: ['0;0;1;0;1;']
              },
              children: [
            { tag: 'animate', attributes: {
                attributeName: 'opacity',
                values: ['0;0;1;0;1;']
              },
              children: [
            { tag: 'animate', attributes: {
                attributeName: 'opacity',
                values: ['0;0;1;0;1;']
              },
              children: [
            { tag: 'animate', attributes: {
                attributeName: 'opacity',
                values: ['0;0;1;0;1;']
              },
              children: [
            { tag: 'animate', attributes: {
                attributeName: 'opacity',
                values: ['0;0;1;0;1;']
              },
              children: [
            { tag: 'animate', attributes: {
                attributeName: 'opacity',
                values: ['0;0;1;0;1;']
              },
              children: [
            { tag: 'animate', attributes: {
                attributeName: 'opacity',
                values: ['0;0;1;0;1;']
              },
              children: [
            { tag: 'animate', attributes: {
                attributeName: 'opacity',
                values: ['0;0;1;0;1;']
              },
              children: [
            { tag: 'animate', attributes: {
                attributeName: 'opacity',
                values: ['0;0;1;0;1;']
              },
              children: [
            { tag: 'animate', attributes: {
                attributeName: 'opacity',
                values: ['0;0;1;0;1;']
              },
              children: [
            { tag: 'animate', attributes: {
                attributeName: 'opacity',
                values: ['0;0;1;0;1;']
              },
              children: [
            { tag: 'animate', attributes: {
                attributeName: 'opacity',
                values: ['0;0;1;0;1;']
              },
              children: [
            { tag: 'animate', attributes: {
                attributeName: 'opacity',
                values: ['0;0;1;0;1;']
              },
              children: [
            { tag: 'animate', attributes: {
                attributeName: 'opacity',
                values: ['0;0;1;0;1;']
              },
              children: [
            { tag: 'animate', attributes: {
                attributeName: 'opacity',
                values: ['0;0;1;0;1;']
              },
              children: [
            { tag: 'animate', attributes: {
                attributeName: 'opacity',
                values: ['0;0;1;0;1;']
              },
              children: [
            { tag: 'animate', attributes: {
                attributeName: 'opacity',
                values: ['0;0;1;0;1;']
              },
              children: [
            { tag: 'animate', attributes: {
                attributeName: 'opacity',
                values: ['0;0;1;0;1;']
              },
              children: [
            { tag: 'animate', attributes: {
                attributeName: 'opacity',
                values: ['0;0;1;0;1;']
              },
              children: [
            { tag: 'animate', attributes: {
                attributeName: 'opacity',
                values: ['0;0;1;0;1;']
              },
              children: [
            { tag: 'animate', attributes: {
                attributeName: 'opacity',
                values: ['0;0;1;0;1;']
              },
              children: [...] // (previous code snippet continues)
```
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
            if
              node.removeChild(alreadyProcessedPseudoElement);
            }

            var abstract =
            var abstract =
            htmlClassList;
  var hclAdd = function hclAdd(suffix) {
    return
htmlClassList.add(HTML_CLASS_I2SVG_BASE_CLASS + ' ' + suffix);
  };
  var hclRemove = function
htmlClassList.remove(HTML_CLASS_I2SVG_BASE_CLASS + ' ' + suffix);
  };
  if (prefixes.length > 0) {
    hclAdd('pending');
  }

  mark = perf.begin('onTree');

  mutations =
            candidates.reduce(function (acc, node) {
    try {
      var mutation = generateMutation(node);

      if (mutation)
        acc.push(mutation);
    } catch (e) {
      if (!PRODUCTION) {
        if (e instanceof MissingIcon)
          console.error(e);
      }
    }

    return acc;
  }, []);

  mark();

  perform(mutations,
        function () {
    hclAdd('active');
    hclAdd('complete');
    hclRemove('pending');

    if (typeof callback === 'function') callback();
  });

  var baseStyles = "svg:not(:root).svg-inline--fa {\n  overflow: visible; }\n\n.svg-inline--fa {\n  display: inline-block;\n  font-size: inherit;\n  height: 1em;\n  overflow: visible;\n  vertical-align: -0.125em; }\n\n.svg-inline--fa-lg {\n  vertical-align: -0.225em; }\n\n.svg-inline--fa-w-1 {\n  width: 0.0625em; }\n\n.svg-inline--fa-w-2 {\n  width: 0.125em; }\n\n.svg-inline--fa-w-3 {\n  width: 0.1875em; }\n\n.svg-inline--fa-w-4 {\n  width: 0.25em; }\n\n.svg-inline--fa-w-5 {\n  width: 0.3125em; }\n\n.svg-inline--fa-w-6 {\n  width: 0.375em; }\n\n.svg-inline--fa-w-7 {\n  width: 0.4375em; }\n\n.svg-inline--fa-w-8 {\n  width: 0.5em; }\n\n.svg-inline--fa-w-9 {\n  width: 0.5625em; }\n\n.svg-inline--fa-w-10 {\n  width: 0.625em; }\n\n.svg-inline--fa-w-11 {\n  width: 0.6875em; }\n\n.svg-inline--fa-w-12 {\n  width: 0.75em; }\n\n.svg-inline--fa-w-13 {\n  width: 0.8125em; }\n\n.svg-inline--fa-w-14 {\n  width: 0.875em; }\n\n.svg-inline--fa-w-15 {\n  width: 0.9375em; }\n\n.svg-inline--fa-w-16 {\n  width: 1em; }\n\n.svg-inline--fa-w-17 {\n  width: 1.0625em; }\n\n.svg-inline--fa-w-18 {\n  width: 1.125em; }\n\n.svg-inline--fa-w-19 {\n  width: 1.1875em; }\n\n.svg-inline--fa-w-20 {\n  width: 1.25em; }\n\n.svg-inline--fa-pull-left {\n  margin-right: .3em;\n  margin-left: .3em; }\n\n.svg-inline--fa-pull-right {\n  margin-right: .3em;\n  margin-left: .3em; }\n\n.svg-inline--fa-border {\n  height: 1.5em; }\n\n.svg-inline--fa-li {\n  width: 2em; }\n\n.svg-inline--fa-fw {\n  width: 1.25em; }\n\n.svg-inline--fa-bottom {\n  bottom: 0;\n  left: 0;\n  margin: auto;\n  position: absolute;\n  top: 0;\n  display: inline-block;\n  height: 1em;\n  position: relative;\n  text-align: center;\n  vertical-align: -0.125em;\n  width: 1em; }\n\n.svg-inline--fa-layers {\n  display: inline-block;\n  height: 1em;\n  position: relative;\n  text-align: center;\n
Open Source Used In ND-NODE v2.1.2b

var css = function () {
  var dfp = DEFAULT_FAMILY_PREFIX;
  var drc = DEFAULT_REPLACEMENT_CLASS;
  var fp = config.familyPrefix;
  var rc = config.replacementClass;
  var s = baseStyles;

  if (fp !== dfp || rc !== drc) {
    var dPatt = new RegExp(\'\.' + dfp + '\-', 'g');
    var rPatt = new RegExp(\'\.' + drc, 'g');

    s = s.replace(dPatt, '\.' + fp + '-').replace(rPatt, '\.' + rc);
  }

  return s;
};

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] = definition;
          return additions;
        });

        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;
  }
}

var library = new Library();

var noAuto = function noAuto() {
  config.autoReplaceSvg = false;
  config.observeMutations = false;
  disconnect();
  var _cssInserted = true;
  var params = params; // should be defined
  var dom = true;
  var node = null;
  var mask = null;
  var callback = null;

  if (config.searchPseudoElements) {
    searchPseudoElements(node);
  }

  onTree(node, callback);
};

...
function watch() {
  var params = arguments.length > 0 && arguments[0] !== undefined ? arguments[0] : {};

  var autoReplaceSvgRoot = params.autoReplaceSvgRoot,
  observeMutationsRoot = params.observeMutationsRoot;

  if (config.autoReplaceSvg === false) {
    config.autoReplaceSvg = true;
  }

  config.observeMutations = true;

  domready(function () {
    autoReplaceNode();
    observe();
  });

  nodeCallback: onNode,
  pseudoElementsCallback: searchPseudoElements,
  observeMutationsRoot: observeMutationsRoot,
}


var insertCss$$1() {
  if (!_cssInserted) {
    insertCss(css());
    _cssInserted = true;
  }
}

var parse = {
  transform: function transform(transformString) {
    return parseTransformString(transformString);
  }
};

var icon = resolveIcons(function (iconDefinition) {

  var _params$transform = params.transform,
      transform = _params$transform === undefined ? meaninglessTransform : _params$transform,
      _params$symbol = params.symbol,
      symbol = _params$symbol === undefined ? false : _params$symbol,
      _params$mask = params.mask,
      mask = _params$mask === undefined ? null : _params$mask,
  _params$title = params.title,
      title = _params$title === undefined ? null : _params$title,
  _params$classes = params.classes,
      classes = _params$classes === undefined ? [] : _params$classes,
  _params$attributes = params.attributes,
      attributes = _params$attributes === undefined ? {} : _params$attributes,
  _params$styles = params.styles,
      styles = _params$styles === undefined ? {} : _params$styles,

  if (!iconDefinition) return;

  var prefix = iconDefinition.prefix,
  iconName = iconDefinition.iconName,
  icon = iconDefinition.icon;

  return apiObject(_extends({
    icon: icon
  }, iconDefinition), function () {
    ensureCss();

    if (config.autoA11y) {
      if (title) {
        attributes['aria-labelledby'] = config.replacementClass + '-title-' + nextUniqueId();
      } else {
        attributes['aria-hidden'] = 'true';
      }
    }

    return makeInlineSvgAbstract({
      icons: {
        main: prepIcon(icon),
        mask: mask ? prepIcon(mask.icon) : { found: false, width: null, height: null, icon: {} }
      },
      prefix: prefix,
      iconName: iconName + (prefix ? prefix + '-' : ''),
      transform: transform,
      title: title,
      extra: {
        attributes: attributes,
        styles: styles,
        classes: classes
      }
    });
  });
});

var text = function text(content) {

  var _params$transform2 = params.transform,
      transform = _params$transform2 === undefined ? meaninglessTransform : _params$transform2,
      _params$title2 = params.title,
      title = _params$title2 === undefined ? null : _params$title2,
  _params$classes2 = params.classes,
      classes = _params$classes2 === undefined ? [] : _params$classes2,
  _params$attributes2 = params.attributes,
      attributes = _params$attributes2 === undefined ? {} : _params$attributes2,
  _params$styles2 = params.styles,
      styles = _params$styles2 === undefined ? {} : _params$styles2,

  return apiObject(_extends({
    content: content
  }, transform), function () {
    ensureCss();

    return makeLayersTextAbstract({
      content: content,
      transform: transform,
      title: title,
      extra: {
        attributes: attributes,
        styles: styles,
        classes: [config.familyPrefix + '-layers-text'].concat(toConsumableArray(classes))
      }
    });
  });
};

var counter = function counter(content) {

  var _params$title3 = params.title,
      title = _params$title3 === undefined ? null : _params$title3,
  _params$classes3 = params.classes,
      classes = _params$classes3 === undefined ? [] : _params$classes3,
  _params$attributes3 = params.attributes,
      attributes = _params$attributes3 === undefined ? {} : _params$attributes3,
  _params$styles3 = params.styles,
      styles = _params$styles3 === undefined ? {} : _params$styles3,

  return apiObject(_extends({
    content: content.toString()
  }, transform), function () {
    ensureCss();

    return makeLayersCounterAbstract({
      content: content.toString()
    });
  });
};

var layer = function layer(assembler) {
  var children = [];

  assembler(function (args) {
    Array.isArray(args) ? args.map(function (a) {
      children = children.concat(a.abstract);
    }) : children = children.concat(args.abstract);
  });

  return [ {
    tag: 'span',
    attributes: { class: config.familyPrefix + '-layers-counter' + (prefix ? prefix + '-' : '') + classes.concat(allocatedClasses) }
  } ];
}
config.familyPrefix + '-layers', });
children: children
    }
  });
};

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 _params$autoReplaceSv = params.autoReplaceSv
  var autoReplaceSvRoot = _params$autoReplaceSv === undefined ? DOCUMENT : _params$autoReplaceSv
  if (Object.keys(namespace.styles).length > 0 && IS_DOM && config.autoReplaceSvg)
    api.dom.i2svg({ node: autoReplaceSvRoot });
  api.export = {
    icon: icon,
    noAuto: noAuto,
    config: config,
    toHtml: toHtml,
    layer: layer,
    counter: counter,
    library: library,
    parse: parse,
    findIconDefinition: findIconDefinition
  };
  "import FontAwesomeIcon from '@fortawesome/vue-fontawesome'
  export { library } from '@fortawesome/fontawesome-svg-core'
  export default FontAwesomeIcon

/** Used as references for various `Number` constants. */
var MAX_SAFE_INTEGER = 9007199254740991;

/** Used to detect unsigned integer values. */
var reIsUint = /^(?:0|[1-9]\d*)$/;

/**
 * Checks if `value` is a valid array-like index.
 * @private
 * @param {*} value The value to check.
 * @param {number} [length=MAX_SAFE_INTEGER] The upper bounds of a valid index.
 * @returns {boolean} Returns `true` if `value` is a valid index, else `false`.
 */
function isIndex(value, length) {
  if (Object.keys(namespace.styles).length > 0 && length == null)
    return !!length &&
      (typeof value == 'number'
        ||
        (typeof value != 'symbol' && reIsUint.test(value))) &&
        (value > -1 && value % 1 == 0 && value < length);
  var baseToString = require('./_baseToString'),
    shortOut = require('./_shortOut');

/**
 * Sets the `toString` method of `func` to return `string`.
 * @private
 * @param {Function} func The function to modify.
 * @param {Function} string The `toString` result.
 * @returns {Function} Returns `func`.
 */
var setToString = shortOut(baseSetToString);

module.exports = setToString;

// false -> Array#indexOf
// true  -> Array#includes
var toIObject = require('./_to-iobject');
var toLength = require('./_to-length');
var toAbsoluteIndex = require('./_to-absolute-index');
module.exports = function (IS_INCLUDEDS) {
  var return function (Sthis, el, fromIndex) {
    var O = toObject(Sthis);
    var length = toLength(O.length);
    var index = toAbsoluteIndex(fromIndex, length);
    var value; // Array#includes uses
    if (IS_INCLUDEDS || el != el) while (length > index) {
      value = O[index++];
    }
    if (IS_INCLUDEDS || index == el)
      return IS_INCLUDEDS || index || 0;
    return !(length > index);
  };
};

/**
 * Checks if a `cache` value for `key` exists.
 * @private
 * @param {Object} cache The cache to query.
 * @param {string} key The key of the entry to check.
 * @returns {boolean} Returns `true` if an entry for `key` exists, else `false`.
 */
function cacheHas(cache, key) {
  return cache.has(key);
}

module.exports = cacheHas;

var arrayReduce = require('./_arrayReduce'),
    baseEach = require('./_baseEach'),
    baseIteratee = require('./_baseIteratee'),
    baseReduce = require('./_baseReduce'),
    isArray = require('./isArray');

function invokePreviousValue(value, previousValue) {
    return invokePreviousValue.invert(args, previousValue);
}

function invokePreviousValue.invert(args, previousValue) {
    return args.reduce(baseReduce, previousValue);
}

function invokePreviousValue.invert() {
    return invokePreviousValue.invert.apply(invokePreviousValue, arguments);
}

function invokePreviousValue.invert() {
    return invokePreviousValue.invert.apply(invokePreviousValue, arguments);
}

var baseSetToString = require('./_baseSetToString'),
    shortOut = require('./_shortOut');

/**
 * Sets the `toString` method of `func` to return `string`.
 * @private
 * @param {Function} func The function to modify.
 * @param {Function} string The `toString` result.
 * @returns {Function} Returns `func`.
 */
var setToString = shortOut(baseSetToString);

module.exports = setToString;

// false -> Array#indexOf
// true  -> Array#includes
var toIObject = require('./_to-iobject');
var toLength = require('./_to-length');
var toAbsoluteIndex = require('./_to-absolute-index');
module.exports = function (IS_INCLUDEDS) {
  var return function (Sthis, el, fromIndex) {
    var O = toObject(Sthis);
    var length = toLength(O.length);
    var index = toAbsoluteIndex(fromIndex, length);
    var value; // Array#includes uses
    if (IS_INCLUDEDS || el != el) while (length > index) {
      value = O[index++];
    }
    if (IS_INCLUDEDS || index == el)
      return IS_INCLUDEDS || index || 0;
    return !(length > index);
  };
};

/**
 * Checks if a `cache` value for `key` exists.
 * @private
 * @param {Object} cache The cache to query.
 * @param {string} key The key of the entry to check.
 * @returns {boolean} Returns `true` if an entry for `key` exists, else `false`.
 */
function cacheHas(cache, key) {
  return cache.has(key);
}

module.exports = cacheHas;

var arrayReduce = require('./_arrayReduce'),
    baseEach = require('./_baseEach'),
    baseIteratee = require('./_baseIteratee'),
    baseReduce = require('./_baseReduce'),
    isArray = require('./isArray');

function invokePreviousValue(value, previousValue) {
    return invokePreviousValue.invert(args, previousValue);
}

function invokePreviousValue.invert() {
    return invokePreviousValue.invert.apply(invokePreviousValue, arguments);
}

var baseSetToString = require('./_baseSetToString'),
    shortOut = require('./_shortOut');

/**
 * Sets the `toString` method of `func` to return `string`.
 * @private
 * @param {Function} func The function to modify.
 * @param {Function} string The `toString` result.
 * @returns {Function} Returns `func`.
 */
var setToString = shortOut(baseSetToString);

module.exports = setToString;
`_.reduce`, `_.reduceRight`, and `_.transform`.\n
* The guarded methods are:\n  * `assign`, `defaults`, `defaultsDeep`, `includes`, `merge`, `orderBy`, \n  * and `sortBy`.\n
* The guarded methods are:\n    * `assign`, `defaults`, `defaultsDeep`, `includes`, `merge`, `orderBy`, `sortBy`.

\n
* The guarded methods are:\n    * `assign`, `defaults`, `defaultsDeep`, `includes`, `merge`.

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* The guarded methods are:\n    * `assign`, `defaults`, `defaultsDeep`, `merge`.
objects for ['barney', 36], ['barney', 34], ['fred', 48], ['fred', 40]\n*un * _sortBy(users, ['user', 'age']);\n* // =>
objects for ['barney', 34], ['barney', 36], ['fred', 40], ['fred', 48]\n*un var sortBy = baseRest(function(collection, iteratees) {\n  if (collection == null) {\n    return [];\n  }\n  var length = iteratees.length;\n  if (length > 1 && \n    isIterateeCall(collection, iteratees[0], iteratees[1])) {\n    iteratees = [ iteration ];\n  } else if (length > 2 && \n    isIterateeCall(iterateses[0], iteratees[1], iteratees[2])) {\n    iteratees = [ iteratees[0] ];\n  }\n  return baseOrderBy(collection, baseFlatten(iteratees, 1), [])\n};\n\nmodule.exports = sortBy;\n
var getNative = require('./_getNative'),\n    root = require('./_root');\n
/* Built-in method references that are verified to be native. */\nvar Set = getNative(root, 'Set');\n
module.exports = Set;\n
var g;\n
// This works in non-strict mode\ng = (function() {\n  return this;\n}());\n
try {\n  // This works if eval is allowed (see CSP)\ng = eval("this");\n} catch (e) {
  // This works if the window reference is available\n  if (typeof window === 'object') g = window;\n}

// g can still be undefined, but nothing to do about it...//\nWe return undefined, instead of nothing here, so it's// easier to handle this case. if(!global) { ...}\n\nmodule.exports = g;\n
var id = 0;\nvar px = Math.random();\nmodule.exports = function (key) {\n  return 'Symbol('.concat(key === undefined ? '' : key, '_'), (++id + px).toString(36));\n};\n
'use strict';\nvar addToUnscopables = require('./_add-to-unscopables');\nvar step = require('./_iter-step');\nvar Iterators = require('./_iterators');\nvar toIObject = require('./_to-iobject');\n
// 22.1.3.4 Array.prototype.entries()\n// 22.1.3.13 Array.prototype.keys()\n// 22.1.3.29 Array.prototype.values()\n// 22.1.3.30 Array.prototype[@@iterator]()\nmodule.exports = require('./_iter-define')(Array, 'Array', function (iterated, kind) {
  this._t = toIObject(iterated); // target\n  this._i = 0;                   // next index\n  this._k = kind;                // kind\n// 22.1.5.2.1 %ArrayIteratorPrototype%.next()\n}, function () {
  var O = this._t;\n  var kind = this._k;\n  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]]);\n}, 'values');\n
// argumentsList[@@iterator] is %ArrayProto_values% (9.4.4.6, 9.4.4.7)\nIterators.Arguments = Iterators.Array;\n\naddToUnscopables('keys');\naddToUnscopables('values');\naddToUnscopables('entries');\n
var isSymbol = require('./isSymbol');\n
/**\n * Compares values to sort them in ascending order.\n *
 * @private\n * @param {*} value The value to compare.\n * @param {*} other The other value to compare.\n * @returns {number} Returns the sort order indicator for `value`.\n */\nfunction compareAscending(value, other) {\n  if (value !== other) {\n    var valIsDefined = value !== undefined,\n        valIsNull = value === null,\n        valIsReflexive = value === value,\n        valIsSymbol = isSymbol(value);

    var othIsDefined = other !== undefined,\n        othIsNull = other === null,\n        othIsReflexive = other === other,\n        othIsSymbol = isSymbol(other);\n
    if (!othIsNull && !othIsSymbol && !valIsSymbol && value > other) {\n      return 1;
    }
    if (valIsSymbol && othIsDefined && othIsSymbol && !othIsNull && !valIsNull && !valIsReflexive) {\n      return -1;
    }
    if (valIsNull) {\n      return 0;
    }
  }
  return 0;
}

module.exports = compareAscending;\n
var eq = require('./eq');\n
/**\n * Gets the index at which the `key` is found in `array` of key-value pairs.\n *
 * @private\n * @param {Array} array The array to inspect.\n * @param {*} key The key to search for.\n * @returns {number} Returns the index of the matched value, else `-1`.\n */\nfunction assocIndexOf(array, key) {\n  var length = array.length;\n  while (length--) {
    if (eq(array[length][0], key)) {\n      return length;
    }
  }
  return -1;
}

module.exports = assocIndexOf;\n
/*!
 * Font Awesome Free 5.0.13
 * by @fontawesome - https://fontawesome.com
 * License - https://fontawesome.com/license (Icons: CC BY 4.0,\n * Fonts: SIL OFL 1.1, Code: MIT License)\n */\nvar noop = function noop() {};

var _WINDOW = {};
var _DOCUMENT = {};
var _MUTATION_OBSERVER$1 = null;
var _PERFORMANCE = { mark: function noop() {\n  } };

try {\n  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) {\n  \n}

if (typeof window !== 'undefined') {\n  \n  window._DOCUMENT = _DOCUMENT;
  window._MUTATION_OBSERVER$1 = _MUTATION_OBSERVER$1;
  window._PERFORMANCE = _PERFORMANCE;

  window.addEventListener('DOMContentLoaded', function () {\n    window._DOCUMENT = _DOCUMENT;
    window._MUTATION_OBSERVER$1 = _MUTATION_OBSERVER$1;
    window._PERFORMANCE = _PERFORMANCE;
  });
}
Open Source Used In ND-NODE v2.1.2b 30231

```javascript
// See the 'About' section in the documentation for more details.

// This is just some example code to show how the library can be used.

function exampleFunction() {
  // Do something here.
}
```

---

**Open Source Used In ND-NODE v2.1.2b 30231**

```
module.exports = {
  a: 'b',
  c: 'd',
};
```
Open Source Used In ND-NODE v2.1.2b

```javascript
(function ($) {
  $(function () {
    $(document).ready(function () {
      // Document is ready
      var var style = DOCUMENT.createElement('style');
      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 iconName = child.getAttribute('class') || '';
        var iconName = child.getAttribute('class') || '';
        if (iconName) {
          var parts = iconName.split('-');
          var prefix = parts[0];
          var iconName = parts.slice(1).join('-');
          if (prefix === familyPrefix && iconName !== '' && !isReserved(iconName)) {
            return iconName;
          } else {
            return null;
          }
        } else {
          return null;
        }
      } catch (e) {
        if (!PRODUCTION) {
          throw e;
        }
      }
    });
  });
})(jQuery);
```
&& 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));
}

var transformString = 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 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 symbolParser = function (node) {
  var symbol = node.getAttribute('data-fa-symbol');

  return symbol === null ? false : symbol === '' ? true :
  extraAttributesParser = 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$1.autoA11y) {
      if (title) {
        extraAttributes['aria-labelledby'] = config$1.replacementClass + '-title-' +
      } else {
        extraAttributes['aria-hidden'] = 'true';
      }
    }

    return extraAttributes;
  };
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 * as this well.* If (prefix === ‘fa’) { define(‘fa’, icons); } }

```javascript
var Library = function Library() {
  this.library = {};
  this.library['iconName'] = null;
};

createClass(Library, [{
  key: 'add',
  value: function add(icons) {
    this.library['iconName'] = icons;
  }
}]);

var Library, namespaces, prefix = null;

function prepIcon(icon) {
  var width = icon[0];
  var height = icon[1];
  var vectorData = icon.slice(4);
  return {
    width: width,
    height: height,
    icon: { tag: 'path', attributes: {
      fill: 'currentColor', d: vectorData[0] } }
  };
}

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, '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 prefix = params.prefix;
  var 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 || {});

    var mask = params.mask;
    var params$node = params.node;

    if (IS_DOM) {
      var params$node = params.node;
      var node = params$node;

      ensureCss();

      var container = DOCUMENT.createElement('div');
      container.innerHTML = val.html;
      var returnval = node;
    }

    return next(iconDefinition, _extends({}, params, { mask: mask }));
  };
}
```

```
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] || {});
      _this.addition[key] = additions[key] || {};
    });

    return Library;
}());

var Library = function Library() {
  classCallCheck(this, Library);

  this.definitions = {};
}

createClass(Library, [{
  key: 'add',
  value: function add(icons) {
    this.library['iconName'] = icons;
  }
}]);

var Library, namespaces, prefix = null;

function prepIcon(icon) {
  var width = icon[0];
  var height = icon[1];
  var vectorData = icon.slice(4);
  return {
    width: width,
    height: height,
    icon: { tag: 'path', attributes: {
      fill: 'currentColor', d: vectorData[0] } }
  };
}

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, '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 prefix = params.prefix;
  var 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 || {});

    var mask = params.mask;
    var params$node = params.node;

    if (IS_DOM) {
      var params$node = params.node;
      var node = params$node;

      ensureCss();

      var container = DOCUMENT.createElement('div');
      container.innerHTML = val.html;
      var returnval = node;
    }

    return next(iconDefinition, _extends({}, params, { mask: mask }));
  };
}
```
undefined ? [] : _params$styles;\n    var prefix = iconDefinition.prefix;\n    iconName = iconDefinition.iconName;\n    icon = iconDefinition.icon;\n    return apiObject(_.extends({ type: 'icon', iconDefinition }, function () {\n      if (config1.autoA11y) {\n        if (title) {\n          attributes['aria-labelledby'] = config1.replacementClass + '-' + title + nextUniqueId();\n        } else {\n          attributes['aria-hidden'] = true;\n        }\n      }\n      return makeInlineSvgAbstract({\n        icons: [\n          prepIcon(icon),\n          mask ? prepIcon(mask.icon) : { found: false, width: null, height: null, icon: {} }\n        ],\n        transform: meaninglessTransform,\n        title: title,\n        extra: attributes,\n        styles: styles,\n        classes: classes,\n        _params$styles: _params$styles,\n        attributes: attributes,\n        classes: (config1.familyPrefix + '-layers-text').concat(toConsumableArray(classes))\n      });\n    });\n    ensureCss();\n    return makeLayersTextAbstract({\n      content: content,\n      transform: args.transform || transform,\n      title: title,\n      extra: attributes,\n      styles: styles,\n      classes: config1.familyPrefix + '-layers',\n      attributes: attributes,\n      classes: classes,\n      attributes: attributes,\n      styles: styles\n    });\n  });\n  ensureCss();\n  return makeObject({ type: 'text', content: content,\n    transform: args.transform || transform,\n    title: title,\n    attributes: attributes,\n    styles: styles,\n    classes: toConsumableArray(classes)\n  });\n};\n
var autoReplace = function () {\n  if (IS_DOM && config1.autoReplaceSvg) api$1.dom.i2svg({ node: DOCUMENT });\n};\n
function bootstrap() {\n  if (IS_BROWSER) {\n    if (!WINDOW.FontAwesome) {\n      WINDOW.FontAwesome = api$1;\n    }\n    domready(function () {\n      if (Object.keys(namespace.styles).length > 0) {\n        autoReplace();\n      }\n      if (config1.observeMutations && typeof MutationObserver === 'function') {\n        observe({\n          treeCallback: onTree,\n          nodeCallback: onNode,\n          pseudoElementsCallback: searchPseudoElements\n        });\n      }\n      namespace.hooks = _extends({}, namespace.hooks, {\n        addPack: function addPack(prefix, icons) {\n          namespace.styles[prefix] = _extends({}, namespace.styles[prefix] || {}),\n          build();\n        },\n        addShims: function addShims(shims) {\n          var _namespace$shims;\n          (_namespace$shims = namespace.shims).push.apply(_namespace$shims, toConsumableArray(shims));\n          build();\n        }\n      });\n      autoReplace(function () {\n        if (config1.observeMutations && typeof MutationObserver === 'function') {\n          observe({\n            treeCallback: onTree,\n            nodeCallback: onNode,\n            pseudoElementsCallback: searchPseudoElements\n          });\n        }\n      });\n      bunker(bootstrap);\n    });\n  }\n}\n
var isObject = require('./_is-object');\nmodule.exports = function (it) {\n  if (!isObject(it)) throw TypeError(it + ' is not an object!');\n  return it;\n};\n
/**\n * This method returns the first argument it receives.\n *\n * @static\n * @since 0.1.0\n * @memberOf _\n * @category Util\n * @param {*} value Any value.\n * @returns {*} Returns `value`.\n * @example\n *\n * var object = { 'a': 1 };\n *\n * console.log(_.identity(object) === object);\n * // => true\n */\nfunction identity(value) {\n  return value;\n};

module.exports = identity;\n
var has = require('./_has');\nvar toIObject = require('./_to-iobject');\nvar arrayIndexOf = require('./_array-includes')(false);\nvar IE_PROTO = require('./_shared-key')('IE_PROTO');\nmodule.exports = function (object, names) {\n  var O = toObject(object);\n  var i = 0;\n  var result = [];\n  var key;\n  for (key in O) if (key != IE_PROTO) has(O, key) && result.push(key);\n  // Don't enum bug & hidden keys\n  while (names.length > i) if (has(O, key = names[i++])) {\n    result.push(key);\n  }\n  return result;\n};\n
var Symbol = require('./_Symbol'),\n    arrayMap = require('./_array-map');\nmodule.exports = arrayMap;
nullish values to empty strings. `*expr* @ private
* @ [param `*param*`] value `*val*` The value to process.
* @ returns [string] Returns the string `*val*` with
* @ function replaceToBase26(value) returns the string.
* // Exit early for strings to avoid a performance hit in some environments.
* if (type value == `*string*`) returns `*val*` if isArray(value) `*val*` if isSymbol(value)
* `*result* = (+`*val*`);`*val*` return (result == `*0*` & `(1 / value) == `-INFINITY`) `*result*` returns the string.
* return (result `*true*`);
* if (pairs.length < LARGE_ARRAY_SIZE - 1) returns `*true*` if data instanceof ListCache
* data = new MapCache(pairs);
* return this.
* return this.
* this.data = data;
* return this.
* this.data = new MapCache(pairs);
* return this.
* this.data = [ pairs, { key: value } ]
* return new MapCache(pairs);
* return this.
* this.data = [ pairs, { key: value } ]
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* this.data = [ pairs, { key: value } ]
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* return this.
* this.data = [ pairs, { key: value } ]
* return new MapCache(pairs);
* return this.
* this.data = [ pairs, { key: value } ]
* return new MapCache(pairs);
* return this.
* this.data = [ pairs, { key: value } ]
* return new MapCache(pairs);
* return this.
if (!(instance instanceof Constructor)) { throw new TypeError("Cannot call a class as a function!"); }

setCacheHas = require('./_setCacheHas');

var MapCache = require('./_MapCache'),
    SetCache = require('./_setCache'),
    SetCache.prototype.add = require('./_setCache.prototype.add =
SetCache.prototype.push = setCacheAdd;
SetCache.prototype.has = setCacheHas;

/**
 *
 * Creates an array cache object to store unique values.
 *
 * @param {Array} values The values to cache.
 */
function SetCache(values) {
  var index = -1,
      length = values == null ? 0 : values.length;

  this.__data__ = new MapCache;
  while (++index < length)
    this.add(values[index]);
}

// Add methods to `SetCache`.'
function (it) {
  if (typeof it != 'function') throw TypeError(it + ' is not a function!');
  return return it;
}

var MapCache = require('./_MapCache'),
    SetCache = require('./_setCache');

const SetCache.prototype.set = require('./_setCache.prototype.set =
SetCache.prototype.has = require('./_setCache.prototype.has =

/**
 * Checks if `value` is in the array cache.
 *
 * @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.
 *
 * @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 arrayMap = require('./_arrayMap'),
    baseIteratee = require('./_baseIteratee'),
    isArray = require('./isArray');

/**
 * Creates an array of values by running each element in `collection`
 * thru `iteratee`. The iteratee is invoked with three arguments:
 * (value, index|key, collection).
 *
 * Many lodash methods are guarded to work as iteratees for
 * methods like `_.every`, `_.filter`, `_.map`, `_.mapValues`, `_.reject`, and
 * `_.some`.
 *
 * The guarded methods
 * are:
 * `ary`, `chunk`, `curry`, `curryRight`, `drop`, `dropRight`, `every`,
 * `fill`, `invert`, `parseInt`, `random`,
 * `range`, `rangeRight`, `repeat`, `sampleSize`, `slice`, `some`, `sortBy`, `split`, `take`, `takeRight`,
 * `template`, `trim`, `trimEnd`, `trimStart`, and `words`.
 *
 * The `_.property` iteratee shorthand.
 */
function map(collection, iteratee) {
  var func = isArray(collection) ? arrayMap : baseMap;
  return func(collection, baseIteratee(iteratee, 3));
}

module.exports = map;

import mod from "-!../../node_modules/mini-css-extract-plugin/dist/loader.js??ref--8-oneOf-1-0!../../node_modules/css-loader/index.js??ref--8-oneOf-1-1!../../node_modules/vue-loader/lib/loaders/stylePostLoader.js!../../node_modules/postcss-loader/src/index.js??ref--8-oneOf-1-2!../../node_modules/sass-loader/lib/loader.js??ref--8-oneOf-1-3!../../node_modules/cache-loader/dist/cjs.js??ref--0-0!../../node_modules/vue-loader/lib/index.js??vue-loader-options!./EmbedForm.vue?vue&type=style&index=0&id=502aea85&lang=scss&scoped=true&"; export default mod; export * from "-!../../node_modules/mini-css-extract-plugin/dist/loader.js??ref--8-oneOf-1-0!../../node_modules/css-loader/index.js??ref--8-oneOf-1-1!../../node_modules/vue-loader/lib/index.js??vue-loader-options!./EmbedForm.vue?vue&type=index&index=0&id=502aea85&lang=scss&scoped=true&

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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
// (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 >
    var up = 0;
    for (var i = parts.length - 1; i >= 0; i--) {
        var last = parts[i];
        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 .. in
    if (allowAboveRoot) {
        for (; up--; up) {
            parts.unshift('..');
        }
    }

    return parts;
}

// Split a filename into [root, dir, basename, ext], unix version
var splitPathRe =
    /^\/*([^\/*]+)\*([^\/*]+)\*?$/;
var splitPath = function(filename) {
    return splitPathRe.exec(filename).slice(1);
};

// path.resolve([from ...], to)
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
            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)
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;
}

// posix version
exports.isAbsolute = function(path) {
    return path.charAt(0) === '/';
};

// posix version
exports.join = function() {
    var paths = Array.prototype.slice.call(arguments, 0);
    return exports.normalize(filter(paths, function(p, index) {
        if (typeof p !== 'string') {
            throw new TypeError('Arguments to path.join must be strings');
        } else if (p) {
            return p
        }, [isAbsolute], function(p) {
            return p
        }, [isAbsolute]).join('/');
    }));
}

// posix version
exports.sep = '/';
exports.delimiter = ':';

exports.dirname = function(path) {
    var result = splitPath(path),
        root = result[0],
        dir = result[1];

    if (!root & !dir) {
        return '.';
    }

    if (dir) {
        // It has a dirname, strip trailing slash
        dir = dir.substr(0, dir.length - 1);
    }

    return dir;
}

// 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 end = arr.length - 1;
        for (; end > 0; end--) {
            if (arr[end] !== '') break;
        }
        if (start > end) return [];
    }

    var fromParts = trim(from);
    var toParts = trim(to);

    var maxLength = 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 = maxLength; i < fromParts.length; i++) {
        outputParts.push(fromParts[i]);
    }

    var outputParts = outputParts.concat(toParts.slice(samePartsLength));

    return outputParts.join('/');
}

exports.sep = '/';
exports.delimiter = ':';

// posix version
exports normalize = function(path) {
    var 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) {
        return '.';
    }

    if (trailingSlash) {
        path += '/';
    }

    return (isAbsolute ? '/' : '') + path;
};

// posix version
exports isAbsolute = function(path) {
    return path.charAt(0) === '/';
};

// posix version
exports.join = function() {
    var paths = Array.prototype.slice.call(arguments, 0);
    return exports.normalize(filter(paths, function(p, index) {
        if (typeof p !== 'string') {
            throw new TypeError('Arguments to path.join must be strings');
        } else if (p) {
            return p
        }, [isAbsolute], function(p) {
            return p
        }, [isAbsolute]).join('/');
    }));
}

// posix version
exports.sep = '/';
exports.delimiter = ':';

exports.dirname = function(path) {
    var result = splitPath(path),
        root = result[0],
        dir = result[1];

    if (!root & !dir) {
        return '.';
    }

    if (dir) {
        // It has a dirname, strip trailing slash
        dir = dir.substr(0, dir.length - 1);
    }

    return dir;
}

// 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 end = arr.length - 1;
        for (; end > 0; end--) {
            if (arr[end] !== '') break;
        }
        if (start > end) return [];
    }

    var fromParts = trim(from);
    var toParts = trim(to);

    var maxLength = 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 = maxLength; i < fromParts.length; i++) {
        outputParts.push(fromParts[i]);
    }

    var outputParts = outputParts.concat(toParts.slice(samePartsLength));

    return outputParts.join('/');
}

// posix version
exports.sep = '/';
exports.delimiter = ':';

// posix version
exports isAbsolute = function(path) {
    var 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) {
        return '.';
    }

    if (trailingSlash) {
        path += '/';
    }

    return (isAbsolute ? '/' : '') + path;
};

// posix version
exports join = function() {
    var paths = Array.prototype.slice.call(arguments, 0);
    return exports.normalize(filter(paths, function(p, index) {
        if (typeof p !== 'string') {
            throw new TypeError('Arguments to path.join must be strings');
        } else if (p) {
            return p
        }, [isAbsolute], function(p) {
            return p
        }, [isAbsolute]).join('/');
    }));
};
cache = memoized.cache;\n\n if (cache.has(key)) {\n
return cache.get(key);\n }\n var result =
func.apply(this, args);\n memoized.cache = cache.set(key, result) || cache;\n return result;\n };\n
memoized.cache = new (memoize.Cache || MapCache);\n return memoized;\n}\n\n// Expose
`MapCache`.\nmemoize.Cache = MapCache;\n\nmodule.exports = memoize;\n","'use
strict';\nObject.defineProperty(exports, '__esModule', { value: true });\nvar prefix = 'fas';\nvar iconName =
'times';\nvar width = 352;\nvar height = 512;\nvar ligatures = [];\nvar unicode = 'f00d';\nvar svgPathData =
'M242.72 256l100.07-100.07c12.28-12.28 12.28-32.19 0-44.48l-22.24-22.24c-12.28-12.28-32.19-12.28-44.48
0L176 189.28 75.93 89.21c-12.28-12.28-32.19-12.28-44.48 0L9.21 111.45c-12.28 12.28-12.28 32.19 0
44.48L109.28 256 9.21 356.07c-12.28 12.28-12.28 32.19 0 44.48l22.24 22.24c12.28 12.28 32.2 12.28 44.48 0L176
322.72l100.07 100.07c12.28 12.28 32.2 12.28 44.48 0l22.24-22.24c12.28-12.28 12.28-32.19 0-44.48L242.72
256z';\n\nexports.definition = {\n prefix: prefix,\n iconName: iconName,\n icon: [\n width,\n height,\n
ligatures,\n unicode,\n svgPathData\n ]};\n\nexports.faTimes = exports.definition;\nexports.prefix =
prefix;\nexports.iconName = iconName;\nexports.width = width;\nexports.height = height;\nexports.ligatures =
ligatures;\nexports.unicode = unicode;\nexports.svgPathData = svgPathData;","var baseGet =
require('./_baseGet');\n\n/**\n * A specialized version of `baseProperty` which supports deep paths.\n *\n *
@private\n * @param {Array|string} path The path of the property to get.\n * @returns {Function} Returns the new
accessor function.\n */\nfunction basePropertyDeep(path) {\n return function(object) {\n return baseGet(object,
path);\n };\n}\n\nmodule.exports = basePropertyDeep;\n","\"use strict\";\n\n// eslint-disable-next-line no-emptyfunction\nmodule.exports = function () {};\n","/** Used for built-in method references. */\nvar objectProto =
Object.prototype;\n\n/**\n * Checks if `value` is likely a prototype object.\n *\n * @private\n * @param {*} value
The value to check.\n * @returns {boolean} Returns `true` if `value` is a prototype, else `false`.\n */\nfunction
isPrototype(value) {\n var Ctor = value && value.constructor,\n
proto = (typeof Ctor == 'function' &&
Ctor.prototype) || objectProto;\n\n return value === proto;\n}\n\nmodule.exports = isPrototype;\n","// 7.3.20
SpeciesConstructor(O, defaultConstructor)\nvar anObject = require('./_an-object');\nvar aFunction = require('./_afunction');\nvar SPECIES = require('./_wks')('species');\nmodule.exports = function (O, D) {\n var C =
anObject(O).constructor;\n var S;\n return C === undefined || (S = anObject(C)[SPECIES]) == undefined ? D :
aFunction(S);\n};\n","var arrayLikeKeys = require('./_arrayLikeKeys'),\n baseKeys = require('./_baseKeys'),\n
isArrayLike = require('./isArrayLike');\n\n/**\n * Creates an array of the own enumerable property names of
`object`.\n *\n * **Note:** Non-object values are coerced to objects. See the\n * [ES spec](http://ecmainternational.org/ecma-262/7.0/#sec-object.keys)\n * for more details.\n *\n * @static\n * @since 0.1.0\n *
@memberOf _\n * @category Object\n * @param {Object} object The object to query.\n * @returns {Array}
Returns the array of property names.\n * @example\n *\n * function Foo() {\n * this.a = 1;\n * this.b = 2;\n * }\n
*\n * Foo.prototype.c = 3;\n *\n * _.keys(new Foo);\n * // => ['a', 'b'] (iteration order is not guaranteed)\n *\n *
_.keys('hi');\n * // => ['0', '1']\n */\nfunction keys(object) {\n return isArrayLike(object) ? arrayLikeKeys(object) :
baseKeys(object);\n}\n\nmodule.exports = keys;\n","\"use strict\";\n\nmodule.exports = function () {\n\ttry
{\n\t\tObject.keys(\"primitive\");\n\t\treturn true;\n\t} catch (e) {\n\t\treturn false;\n\t}\n};\n","/**\n * Converts
`map` to its key-value pairs.\n *\n * @private\n * @param {Object} map The map to convert.\n * @returns {Array}
Returns the key-value pairs.\n */\nfunction mapToArray(map) {\n var index = -1,\n
result = Array(map.size);\n\n
map.forEach(function(value, key) {\n result[++index] = [key, value];\n });\n return result;\n}\n\nmodule.exports
= mapToArray;\n","'use strict';\nObject.defineProperty(exports, '__esModule', { value: true });\nvar prefix =
'fas';\nvar iconName = 'code';\nvar width = 640;\nvar height = 512;\nvar ligatures = [];\nvar unicode = 'f121';\nvar
svgPathData = 'M278.9 511.5l-61-17.7c-6.4-1.8-10-8.5-8.2-14.9L346.2 8.7c1.8-6.4 8.5-10 14.9-8.2l61 17.7c6.4 1.8
10 8.5 8.2 14.9L293.8 503.3c-1.9 6.4-8.5 10.1-14.9 8.2zm-114-112.2l43.5-46.4c4.6-4.9 4.3-12.7-.8-17.2L117
256l90.6-79.7c5.1-4.5 5.5-12.3.8-17.2l-43.5-46.4c-4.5-4.8-12.1-5.1-17-.5L3.8 247.2c-5.1 4.7-5.1 12.8 0 17.5l144.1
135.1c4.9 4.6 12.5 4.4 17-.5zm327.2.6l144.1-135.1c5.1-4.7 5.1-12.8 0-17.5L492.1 112.1c-4.8-4.5-12.4-4.3-17
.5L431.6 159c-4.6 4.9-4.3 12.7.8 17.2L523 256l-90.6 79.7c-5.1 4.5-5.5 12.3-.8 17.2l43.5 46.4c4.5 4.9 12.1 5.1 17
.6z';\n\nexports.definition = {\n prefix: prefix,\n iconName: iconName,\n icon: [\n width,\n height,\n
ligatures,\n unicode,\n svgPathData\n ]};\n\nexports.faCode = exports.definition;\nexports.prefix =

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prefix;\nexports.iconName = iconName;\nexports.width = width;\nexports.height = height;\nexports.ligatures = ligatures;\nexports.unicode = unicode;\nexports.svgPathData = svgPathData;`\n``/**\n * The base implementation of `_property` without support for deep paths.\n * @returns {Function} Returns the new accessor function.\n */\nfunction baseProperty(key) {\n  return function(object) {\n    return object == null ? undefined : object[key];\n  };
}\n
module.exports = baseProperty;`\n``\n`\n``
var ListCache = require('./_ListCache');\n
/**\n * Removes all key-value entries from the stack.\n * @returns {void}\n */\nfunction stackClear() {\n  this.__data__ = new ListCache;\n  this.size = 0;
}\n
module.exports = stackClear;`\n``\n`\n``
var isBrowser = typeof window !== 'undefined' && typeof document !== 'undefined';\n
var longerTimeoutBrowsers = ['Edge', 'Trident', 'Firefox'];\nvar timeoutDuration = 0;
for (var i = 0; i < longerTimeoutBrowsers.length; i += 1) {\n  if (isBrowser && navigator.userAgent.indexOf(longerTimeoutBrowsers[i]) >= 0) {\n    timeoutDuration = 1;\n    break;
  }
}\n
function microtaskDebounce(fn) {\n  var called = false;
  return function() {
    if (called) {
      return;
    }
    called = true;
    window.Promise.resolve().then(function() {\n      called = false;
      fn();
    });\n  };
}\n
function taskDebounce(fn) {\n  var scheduled = false;
  return function() {\n    if (!scheduled) {\n      scheduled = true;
      setTimeout(function() {\n        scheduled = false;
        fn();\n      }, timeoutDuration);\n    }
  };
}\n
var supportsMicroTasks = isBrowser && window.Promise;\n
/**\n * @method\n * @memberof Popper.Utils\n * @argument {Function} fn\n * @returns {Function}\n */\nvar debounce = supportsMicroTasks ? microtaskDebounce : taskDebounce;\n
/**\n * Check if the given variable is a function\n * @method\n * @memberof Popper.Utils\n * @argument {Any} functionToCheck - variable to check\n * @returns {Boolean} answer to: is a function?\n */\nfunction isFunction(functionToCheck) {\n  var getType = {};
  return functionToCheck && getType.toString.call(functionToCheck) === '[object Function]';\n}\n
/**\n * Get CSS computed property of the given element\n * @method\n * @memberof Popper.Utils\n * @argument {Element} element\n * @argument {String} property\n */\nfunction getStyleComputedProperty(element, property) {\n  if (element.nodeType !== 1) {\n    return [];\n  }
  \n  \n  // NOTE: 1 DOM access here\n  var window = element.ownerDocument.defaultView;\n  var css = window.getComputedStyle(element, null);\n  \n  return property in css ? css[property] : css[null + property] * \n``\n
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function includeScroll(rect, element) {

  var scrollTop = getScroll(element, 'top');
  var scrollLeft = getScroll(element, 'left');

  var modifier = subtract ? -1 : 1;

  rect.top += scrollTop * modifier;
  rect.bottom += scrollTop * modifier;
  rect.left += scrollLeft * modifier;
  rect.right += scrollLeft * modifier;

  return rect;
}

/*
 * Helper to detect borders of a given element
 * @method
 * @memberof Popper.Utils
 * @param {HTMLElement} element - The element from the function reads the scroll values
 * @param {Boolean} subtract - set to true if you want to subtract the scroll values
 * @return {Object} rect - The modifier rect object

 */

function getBoundingClientRect(element) {
  var rect = {};

  try {
    if (isIE(10)) {
      rect = element.getBoundingClientRect();
      var scrollTop = getScroll(element, 'top');
      var scrollLeft = getScroll(element, 'left');
      rect.top += scrollTop;
      rect.left += scrollLeft;
      rect.bottom += scrollTop;
      rect.right += scrollLeft;
    } else {
      rect = element.getBoundingClientRect();
    }
  } catch (e) {}

  var result = {
    left: rect.left,
    top: rect.top,
    width: rect.right - rect.left,
    height: rect.bottom - rect.top
  };

  return result;
}

function getClientRect(offsets) {
  return _extends({}, offsets, {
    right: offsets.left + offsets.width,
    bottom: offsets.top + offsets.height
  });
}

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
  };

  // subtract scrollbars size from sizes
  var width = Math.max(element.clientWidth, rect.width);
  var height = Math.max(element.clientHeight, rect.height);

  // if an hypothetical scrollbar is detected, we must be sure it's not a `border` and we make this check conditional for performance reasons
  if (horizScrollbar && vertScrollbar) {
    var styles = getStyleComputedProperty(element);
    var horizScrollbar = getBordersSize('x', styles);
    var vertScrollbar = getBordersSize('y', styles);
  }

  // The modifier rect object

  var result = {
    left: rect.left + horizScrollbar
  };

  return result;
}
getClientRect(result);
}

function getClientRect(result) {
  var isIE10 = isIE(10);
  var isHTML = parent.nodeName === 'HTML';
  var childrenRect = getBoundingClientRect(children);
  var parentRect = getBoundingClientRect(parent);
  var scrollParent = getScrollParent(children);
  var borderLeftWidth = parseFloat(styles.borderLeftWidth, 10);
  // In cases where the parent is fixed, we must ignore negative scroll in offset calc
  if (fixedPosition && isHTML) {
    parentRect.top = Math.max(parentRect.top, 0);
    parentRect.left = Math.max(parentRect.left, 0);
  }
  var offsets = getClientRect({
    top: childrenRect.top - parentRect.top - borderTopWidth - left: childrenRect.left - parentRect.left - borderLeftWidth,
    width: childrenRect.width,
    height: childrenRect.height
  });
  offsets.marginTop = 0;
  offsets.marginLeft = 0;
  // Subtract margins of documentElement in case it's being used as parent // we do this only on HTML because it's the only element that behaves differently when margins are applied to it. The margins are included in the box of the documentElement, in the other cases not.
  if (!isIE10 && &isHTML) {
    var marginTop = parseFloat(styles.marginTop, 10);
    var marginLeft = parseFloat(styles.marginLeft, 10);
    var offsets.top -= borderTopWidth - marginTop;
    var offsets.bottom -= borderTopWidth - marginTop;
    var offsets.right -= borderBottomWidth - marginLeft;
    var offsets.left -= borderBottomWidth - 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 getViewportOffsetRectRelativeToArtbitraryNode(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);
}

/**
 * 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?\n */
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\n  if (element || !element.parentElement || isIE()) {
    return document.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 {HTML} boundaries
 * @param {number} padding
 * @returns {Object} Coordinates of the boundaries
 */

function getBoundaries(boundaries, padding) {
  // NOTE: 1 DOM access here\n  var boundaries = {
    top: 0,
    left: 0
  };
  var offsetParent = fixedPosition ? getFixedPositionOffsetParent(boundaries) : findCommonOffsetParent(boundaries.parentElement, boundariesElement);
  // Handle viewport case
  if (boundariesElement === 'viewport') {
    boundaries = getViewportOffsetRectRelativeToArbitraryNode(offsetParent, fixedPosition);
  } else {
    // Handle other cases based on DOM element used as boundaries
  }
}

// Set styles

styles = getStyleComputedProperty(parent);

// Set desired styles

styles.borderLeftWidth = '0';
styles.borderTopWidth = '0';
styles.marginTop = '0';
styles.marginLeft = '0';

// Set computed styles

styles = getStyleComputedProperty(boundariesElement);

styles.borderLeftWidth = '0';
styles.borderTopWidth = '0';
styles.marginTop = '0';
styles.marginLeft = '0';
scrollParent) {
  boundariesNode = getScrollParent(getParentNode(reference));
  if (boundariesNode.nodeName === 'BODY') {
    boundariesNode = popper.ownerDocument.documentElement;
  } else if (boundariesElement === 'window') {
    boundariesNode = popper.ownerDocument.documentElement;
  } else {
    boundariesNode = boundariesElement;
  }
}

var offsets = getOffsetRectRelativeToArbitraryNode(boundariesNode, offsetParent, fixedPosition);

// In case of HTML, we need a different computation
if (boundariesNode.nodeName === 'HTML' && !isFixed(offsetParent)) {
  var _getWindowSizes = getWindowSizes(popper.ownerDocument),
      height = _getWindowSizes.height,
      width = _getWindowSizes.width;
  boundaries.top += offsets.top - offsets.marginTop;
  boundaries.bottom = height + offsets.top;
  boundaries.left += offsets.left - offsets.marginLeft;
  boundaries.right = width + offsets.left;
} else {
  // for all the other DOM elements, this one is good
  boundaries = offsets;
}

// Add paddings
padding = padding || 0;

var isPaddingNumber = typeof padding === 'number';

if (isPaddingNumber) {
  boundaries.left += padding;
  boundaries.top += padding;
  boundaries.right -= padding;
  boundaries.bottom -= padding;
} else {
  boundaries = offsets;
}

return boundaries;

function getArea(_ref) {
  var width = _ref.width,
      height = _ref.height;
  return width * height;
}

/**
 * Utility used to transform the 'auto' placement to the placement with more available space.
 * @method
 * @memberof Popper.Utils
 * @argument {Object} data - The data object generated by update method
 * @argument {Object} options - Modifiers configuration and options
 * @returns {Object} The data object, properly modified
 */
function computeAutoPlacement(placement, refRect, popper, reference, boundariesElement) {

  if (placement.indexOf('auto') === -1) {
    return placement;
  }

  var boundaries = getBoundaries(popper, reference, padding, boundariesElement);

  var rects = {
    top: {
      width: boundaries.width,
      height: refRect.top - boundaries.top
    },
    right: {
      width: boundaries.right - refRect.right,
      height: boundaries.height - refRect.top
    },
    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 : 'auto';

  var variation = placement.split('-')[1];

  var returnComputedPlacement = (variation ? '-' + variation : '');

  var computedPlacement = computedPlacement + (variation ? '-' + variation : '');

  return returnComputedPlacement;
}

/**
 * Get offsets to the reference element
 * @method
 * @memberof Popper.Utils
 * @argument {Object} state
 * @argument {Element} popper - the popper element
 * @argument {Element} reference - the reference element (the popper will be relative to this)
 * @argument {Object} fixedPosition - is in fixed position mode
 * @returns {Object} An object containing the offsets which will be applied to the popper
 */
function getReferenceOffsets(state, popper, reference, fixedPosition) {

  var rect = getOffsetRectRelativeToArbitraryNode(state.referenceNode, state.popperNode, fixedPosition);

  var window = state.popperNode.ownerDocument.defaultView;
  var styles = window.getComputedStyle(state.popperNode);

  var x = parseFloat(styles.marginTop) + parseFloat(styles.marginBottom);
  var y = parseFloat(styles.marginLeft) + parseFloat(styles.marginRight);

  var marginTop = rect.offsetTop;
  var marginRight = rect.offsetRight;
  var marginBottom = rect.offsetHeight;
  var marginRight = rect.offsetWidth;
  var windowSize = getBoundingClientRect(state.popperNode);

  var windowWidth = windowSize.width;
  var windowHeight = windowSize.height;

  var popperSize = getBoundingClientRect(state.popperNode);

  var popperWidth = popperSize.width;
  var popperHeight = popperSize.height;

  var padding = getComputedStyle(state.popperNode).padding;

  var computedTop = rect.offsetTop + padding.top;
  var computedBottom = rect.offsetTop + rect.offsetHeight + padding.top;
  var computedLeft = rect.offsetLeft + padding.left;
  var computedRight = rect.offsetLeft + rect.offsetWidth + padding.left;

  var computedPlacement = computedTop + (computedBottom - computedTop);

  var computedPosition = { top: computedTop, bottom: computedBottom, left: computedLeft, right: computedRight, offsetParent: state.popperNode };
/**
 * Get offsets to the popper
 * @method
 * @memberof Popper.
 * @param {Object} position - CSS position the Popper will get applied
 * @param {HTMLElement} popper - the popper element
 * @param {Object} referenceOffsets - the reference offsets (the popper will be relative to this)
 * @param {Object} popperOffsets - An object containing the offsets which will be applied to the popper
 * @method getPopperOffsets(popper, referenceOffsets, placement)
 */

/**
 * Mimics the `find` method of Array
 * @method
 * @memberof Popper.
 * @argument {Array} arr
 * @argument check
 * @returns index or -1
 */

/**
 * Return the index of the matching object
 * @method
 * @memberof Popper.
 * @argument {Array} arr
 * @argument check
 * @returns index or -1
 */

/**
 * Loop trough the list of modifiers and run them in order,
 * each of them will then modify the `dataObject`.
 * @method
 * @memberof Popper.
 * @argument {dataObject} data
 * @argument modifiers
 * @argument ends - Optional modifier name used as stopper
 * @returns {dataObject}
 */

/**
 * Updates the position of the popper, computing the new offsets and applying the new style.
 * @method
 * @memberof Popper.
 * @returns {dataObject} data
 */

`onCreate` callback
// the other ones will call `onUpdate` callback
if (!this.state.isCreated) {
  this.state.isCreated = true;
  this.options.onCreate(data);
} else {
  this.options.onUpdate(data);
}

/**
 * Helper used to know if the given modifier is enabled.
 * @returns {Boolean}
 */
function isModifierEnabled(modifiers, modifierName) {
  return modifiers.some(function (_ref) {
    var name = _ref.name,
        enabled = _ref.enabled;
    return enabled && name === modifierName;
  });
}

/**
 * Get the prefixed supported property name
 * @method
 * @memberof Popper.Utils
 * @argument {String} property (camelCase or PascalCase, depending on the vendor prefix)
 * @returns {String} prefixed property
 */
function getSupportedPropertyName(property) {
  var prefixes = ['', 'ms', 'Webkit', 'Moz', 'O'];
  var upperProp = property.charAt(0).toUpperCase() + property.slice(1);

  for (var i = 0; i < prefixes.length; i++) {
    var prefix = prefixes[i];
    var toCheck = prefix ? '' + prefix + upperProp : property;
    if (typeof document.body.style[toCheck] !== 'undefined') {
      return toCheck;
    }
  }
  return null;
}

/**
 * Destroys the popper.
 * @method
 * @memberof Popper
 */
function destroy() {
  this.options.removeOnDestroy = true;
  // remove the popper if user explicity asked for the deletion on destroy
  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.bottom = '0';
    this.popper.style.willChange = 'auto';
    this.popper.style[getSupportedPropertyName('transform')] = 'none';
  }

  this.disableEventListeners();

  // remove the popper if user explicity asked for the deletion on destroy
  if (this.options.removeOnDestroy) {
    this.popper.parentNode.removeChild(this.popper);
  }
  return this;
}

/**
 * Get the window associated with the element
 * @method
 * @memberof Popper
 * @argument {Element} element
 * @returns {Window}
 */
function getWindow(element) {
  return element.ownerDocument ? element.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.eventsEnabled = true;
  return this;
}

/**
 * Enable event listeners
 * @method
 * @memberof Popper
 */
function enableEventListeners() {
  if (!this.state.eventsEnabled) {
    this.state = setupEventListeners(this.reference, this.options, this.state, this.scheduleUpdate);
  }
}

/**
 * Remove event listeners used to update the popper position
 * @method
 * @memberof Popper
 */
function disableEventListeners() {
  if (this.state.eventsEnabled) {
    cancelAnimationFrame(this.scheduleUpdate);
    this.state = removeEventListeners(this.reference, this.options, this.state, this.scheduleUpdate);
  }
}

/**
 * Set the style to the given popper
 * @method
 * @memberof Popper
 * @argument {Element} element
 * @returns {}
 */
function applyStyle(style, element) {
  element['style'] = style;
}

/**
 * Tells if a given input is a number
 * @method
 * @memberof Popper.Utils
 * @returns {Boolean}
 */
function isNumeric(n) {
  return n !== '' && !isNaN(parseFloat(n)) && isFinite(n);
}

/**
 * Open Source Used In ND-NODE v2.1.2b 30253
 */
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';
    } else {
      unit = %; // add unit if the value is a percent
    }
    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 applyStyle(data) {
  // any property present in `data.styles` will be applied to the popper,
  // in this way we can make the 3rd party modifiers add custom styles to it
  setStyles(data.instance.popper, data.styles);

  // any property present in `data.attributes` will be applied to the popper,
  // they will be set as HTML attributes of the element
  setAttributes(data.instance.popper, data.attributes);

  // apply any properties set by the modifiers
  if (data.arrowElement && Object.keys(data.arrowStyles).length) {
    setStyles(data.arrowElement, data.arrowStyles);
  }

  return data;
}

function applyStyleOnLoad(reference, popper, options, modifierOptions, state) {
  var placement = computeAutoPlacement(options.placement, getReferenceOffsets(state, popper, reference), options.modifiers.flip.boundariesElement, options.modifiers.flip.padding);

  popper.setAttribute('x-placement', placement);

  setStyles(popper, { position: options.positionFixed ? 'fixed' : 'absolute' });

  return options;
}

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 gpuAcceleration = find(data.instance.modifiers, function (modifier) {
    return modifier.name === 'gpuAcceleration';
  }).gpuAcceleration;
  if (gpuAcceleration !== undefined) {
    console.warn('WARNING: `gpuAcceleration` option moved to `computeStyle` modifier and will not be supported in future versions of Popper.js!');
  }

  var offsetParent = getOffsetParent(data.instance.popper);
  var offsets = getBoundingClientRect(offsetParent).offsets.popper;

  // Avoid blurry text by using full pixel integers.
  var styles = {
    position: popper.position
  };

  // Avoid blurry text by using full pixel integers.
  var autosizes = {
    left: Math.floor(popper.left),
    top: Math.floor(popper.top),
    right: Math.floor(popper.right),
    bottom: Math.floor(popper.bottom)
  };

  return offsets = {
    left: Math.floor(popper.left),
    top: Math.round(popper.top),
    right: Math.floor(popper.right),
    bottom: Math.round(popper.bottom)
  };

  return
}
prefixed version if needed

var prefixedProperty = getSupportedPropertyName('transform');

// if we position a popper on top of a reference element, we can set it to 'top' to make the popper grow towards its top instead of its bottom.

var top = -offsetParent.clientHeight + offsets.top;

// 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 overfloaing its reference element.

// To avoid this problem, we provide two options (x and y), which allow the consumer to define the offset origin.

// 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 = -offsetParentRect.height + offsets.top;
}

// otherwise, we use the standard 'top', 'left', 'bottom' and 'right' properties.

var invertTop = sideA === 'bottom' ? -1 : 1;
var invertLeft = sideB === 'right' ? -1 : 1;

var data = _extends({}, data, attributes, data.styles, data.arrowStyles);

return data;

/**
 * Helper used to know if the given modifier depends from another one.
 * 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 the arrowElement isn't a query selector we must check that the element is a child of its popper node

  if (!!(data.instance.popper.querySelector(arrowElement))) {
    var _console$warn = console.warn;
    var _arrowElement = data.instance.popper.querySelector(arrowElement);
    if (_arrowElement) {
      // provided DOM node is child of its popper node

      if (!!!data.data.offsets.arrow) {
        // extends keepTogether behavior making sure the popper and its offsets reference have enough pixels in conjunction

        // reference should never be null

        if (reference[opSide] < popper[side]) {
          data.offsets.popper[side] = popper[side] - (reference[side] - arrowElementSize);
        } else {
          data.offsets.popper[side] += reference[side] + arrowElementSize - popper[side];
        }
      }
    }
  }

  return data;
}
getClientRect(data.offsets.popper);

  // compute center of the popper
  var center = data.offsets.popper.width / 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;

  // 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;

  // 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;
floor(popperOffsets.right) > floor(refOffsets.left) || placement === 'right' && floor(popperOffsets.left) < floor(refOffsets.right) || placement === 'left' &
& floor(popperOffsets.right) > floor(refOffsets.bottom) || placement === 'top' &
& floor(popperOffsets.bottom) < floor(refOffsets.top) || placement === 'bottom' && floor(popperOffsets.top) < floor(refOffsets.bottom);

var overlapsLeft = floor(popperOffsets.left) < floor(boundaries.left);
var overlapsRight = floor(popperOffsets.right) > floor(boundaries.right);
var overlapsTop = floor(popperOffsets.top) < floor(boundaries.top);
var overlapsBottom = floor(popperOffsets.bottom) > floor(boundaries.bottom);

var overlapRectsTop = popperOffsets.top < referenceOffsets.top;
var overlapRectsBottom = popperOffsets.top > referenceOffsets.top;
var overlapRectsLeft = popperOffsets.left < referenceOffsets.left;
var overlapRectsRight = popperOffsets.left > referenceOffsets.left;
var overlapsTop = overlapRectsTop || placement === 'top' && floor(popperOffsets.bottom) > floor(refOffsets.top) || placement === 'bottom' && floor(popperOffsets.top) < floor(refOffsets.bottom);

var overlapsBottom = overlapRectsBottom || placement === 'bottom' && floor(popperOffsets.right) > floor(refOffsets.bottom) || placement === 'right' && floor(popperOffsets.left) < floor(refOffsets.right);

var overlapsLeft = overlapRectsLeft || placement === 'right' && floor(popperOffsets.left) < floor(boundaries.left) || placement === 'left' && floor(popperOffsets.right) > floor(boundaries.right);

var overlapsRight = overlapRectsRight || placement === 'left' && floor(popperOffsets.right) > floor(boundaries.right) || placement === 'right' && floor(popperOffsets.left) < floor(boundaries.left);

var overlaps = overlapsLeft || overlapsRight || overlapsTop || overlapsBottom;

if (overlaps || overlapsLeft || overlapsRight || overlapsTop || overlapsBottom) {
  // this boolean to detect any flip loop
  data.flipped = true;
  if (overlapsRight || overlapsBoundaries) {
    placement = flipOrder[index + 1];
  }
  if (overlapsLeft || overlapsRight || overlapsTop || overlapsBottom) {
    if (overlapsLeft || overlapsRight || overlapsTop || overlapsBottom) {
      // this object contains 'position', we want to preserve it along with
      // any additional property we may add in the future
      data.offsets.popper = _extends({}, data.offsets.popper, getPopperOffsets(data.instance.popper, data.offsets.reference, data.previous, data.previous));
      data.placement = placement + (variation ? '-' + variation : '');
      // this object contains `position`, we want to preserve it along with
      // any additional property we may add in the future
      data.offsets.popper = _extends({}, data.offsets.popper, getPopperOffsets(data.instance.popper, data.offsets.reference, data.previous, data.previous));
      data.placement = placement + (variation ? '-' + variation : '');
    }
    if (!options.flipVariations && placement === 'left' && variation === 'start' && overlapsLeft || placement === 'right' && variation === 'end' && overlapsRight || placement === 'top' && variation === 'start' && overlapsTop || placement === 'bottom' && variation === 'end' && overlapsBottom) {
      // flip the variation if required
      var variation = getOppositeVariation(variation);
    }
    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}
 * The data object, properly modified
 */
function keepTogether(data) {
  var _data$offsets = data.offsets,
  popper = _data$offsets.popper,
  reference = _data$offsets.reference;

  var placement = data.placement.split('-')[0];
  var floor = Math.floor;
  var isVertical = ['top', 'bottom'].indexOf(placement) !== -1;
  var side = isVertical ? 'right' : 'bottom';
  var opSide = isVertical ? 'left' : 'top';
  var measurement = isVertical ? 'width' : 'height';

  if (popper[side] < floor(reference[opSide])) {
    data.offsets.popper[opSide] = floor(reference[opSide]) - popper[measurement];
  }
  if (popper[opSide] > floor(reference[side])) {
    data.offsets.popper[opSide] = floor(reference[side]);
  }
  return data;
}

/**
 * Converts a string containing value + unit into a px value number
 * @function
 * @memberof {modifiers~offset}
 * @private
 * @argument {String} str - Value + unit string
 * @argument {String} measurement - `height` or `width`
 * @argument {Object} popperOffsets
 * @argument {Object} referenceOffsets
 * @returns {Number|String}
 * Value in pixels, or original string if no values were extracted
 */
function toValue(str, measurement, popperOffsets, referenceOffsets) {
  // separate value from unit
  var split = str.match(/((?:-|\+)?\d*\.?\d*)(.*)/);
  var value = +split[1];
  var unit = split[2];

  // If it's not a number it's an operator, I
  // guess
  if (!value) {
    return str;
  }

  if (unit.indexOf('%') === 0) {
    var element = void 0;
    switch (unit) {
      case '%p':
        element = popperOffsets;
        break;
      case '%':
      case '%r':
      default:
        element = referenceOffsets;
    }
    var rect = getClientRect(element);
    return rect[measurement] / 100 * value;
  } else if (unit === 'vh') {
    return rect[measurement] / 100 * value;
  } else if (unit === 'vw') {
    return rect[measurement] / 100 * value;
  } else if (unit === 'vmin') {
    return rect[measurement] / 100 * value;
  } else if (unit === 'vmax') {
    return rect[measurement] / 100 * value;
  } else if (unit === 'em') {
    return rect[measurement] / 100 * value;
  } else if (unit === 'rem') {
    return rect[measurement] / 100 * value;
  } else if (unit === 'ex') {
    return rect[measurement] / 100 * value;
  } else if (unit === 'ch') {
    return rect[measurement] / 100 * value;
  } else if (unit === 'px') {
    return rect[measurement] / 100 * value;
  } else if (unit === 'percentage') {
    return rect[measurement] / 100 * value;
  } else if (unit === 'unitless') {
    return rect[measurement] / 100 * value;
  } else {
    return rect[measurement] / 100 * 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(/(\+|\-)/).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 comma (,) instead.);

  // If divider is found, we divide the list of values and operands to divide
  // them by offset X and Y.

  var splitRegex = /\s*,\s*|\s+/;
  var ops = divider !== -1 ?
    [fragments.slice(0, divider).concat([fragments[divider].split(splitRegex)[0]]),
     fragments[divider].split(splitRegex)[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) {
    if (mergeWithPrevious) {
      op += op[index2 - 1] === '-' ? -1 : 1;
    } else {
      return op;
    }
  });

  // Loop trough the offsets arrays and execute the operations
  ops.forEach(function(op, index) {
    op.forEach(function(frag, index2) {
      if (isNumeric(frag)) {
        offsets[index] += frag * (op[index2 - 1] === '-' ? -1 : 1);
      }
    });
  });
  return offsets;
}

/**
 * @function
 * @memberof Modifiers
 *
 * @argument {Object} data - The data object generated by update method
 * @argument {Object} options - Modifiers configuration and options
 * @argument {Number|String} options.offset=0
 * The offset value as described in the modifier description
 * @returns {Object} The data object, properly modified
 */
function offset(data, _ref) {
  var offset = _ref.offset;
  var placement = data.placement,
      _data$offsets = data.offsets,
      popper = _data$offsets.popper,
      reference = _data$offsets.reference;

  var basePlacement = placement.split('-')[0];

  var offsets = void 0;
  if (isNumeric(+offset)) {
    offsets = [+offset, 0];
  } else {
    offsets = parseOffset(offset, popper, reference, basePlacement);
  }

  if (basePlacement === 'left') {
    popper.top += offsets[0];
    popper.left -= offsets[1];
  } else if (basePlacement === 'right') {
    popper.top += offsets[0];
    popper.left += offsets[1];
  } else if (basePlacement === 'top') {
    popper.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 ||
    getBoundingData(data.instance.popper);
  var popper = data.offsets.popper;
  var placement = placement.split('-')[0];

  var offset = void 0;
  if (isNumeric(+offset)) {
    offsets = [+offset, 0];
  } else {
    options.offset = parseOffset(offset, popper, reference, placement);
  }

  var boundaries = getBoundaries(data.instance.popper, data.instance.reference, options.padding,
    boundariesElement, data.positionFixed);

  // NOTE: DOM access here resets the popper's position so that the
  // document size can be calculated excluding
  // the size of the popper element itself
  var transformProp = getSupportedPropertyName('transform');
  var popperStyles = data.instance.popper.style;
  // assignment to help minification
  var top = popperStyles.top,
      left = popperStyles.left,
      transform = popperStyles[transformProp];

  var boundaries = getBoundaries(data.instance.popper, data.instance.reference, options.padding,
    boundariesElement, data.positionFixed);

  // NOTE: DOM access here restores the original style properties
  // after the offsets have been computed
  popperStyles.top = top;
  popperStyles.left = left;
  popperStyles[transformProp] = transform;

  var options.boundaries = boundaries;
  var var order = options.priority;
  var popper = data.offsets.popper;
  var check = {
    primary: function primary(placement) {
      var value = popper[placement];
      if (popper[placement] < boundaries[placement] &&
        !options.escapeWithReference)
    }};
```javascript
value = Math.max(popper[placement], boundaries[placement]);

if (popper[placement] > boundaries[placement]) {
  var mainSide = placement === 'right' ? 'left' : 'top';
  var value = popper[mainSide];
} else {
  var mainSide = placement === 'right' ? 'left' : 'top';
  var value = Math.min(popper[mainSide], 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) {
    var value = Math.min(popper[mainSide], 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 (shiftvariation) {
    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) {
      data.hide = true;
      data.attributes['x-out-of-boundaries'] = '';
    } else {
      data.hide = false;
      data.attributes['x-out-of-boundaries'] = false;
    }
  }

  data.placement = getOppositePlacement(placement);
  data.offsets.popper = getClientRect(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
 */
function inner(data) {
  var placement = data.placement;
  var basePlacement = placement.split('-')[0];
  var popper = _extends({}, popper, getClientRect(popper));
  var subtractLength = ['top', 'left'].indexOf(basePlacement) === -1 ? popper[isHoriz ? 'width' : 'height'] : 0;
  var data.placement = getOppositePlacement(placement);
  data.offsets.popper = getClientRect(popper);
  var reference = _extends({}, popper, data.offsets.popper, { var isHoriz: ['left', 'right'].indexOf(basePlacement) !== -1, var subtractLength: ['top', 'left'].indexOf(basePlacement) !== -1, popper[isHoriz ? 'width' : 'height'] - (subtractLength ? popper[isHoriz ? 'width' : 'height'] : 0), data.placement, getOppositePlacement(placement), data.offsets.popper, getClientRect(popper), data.returnData; });

  var modifier = ModifierFns["inner"]["fn"];

  if (modifier) {
    var reference = _extends({}, popper, data.offsets.popper, { var: isHoriz: ['left', 'right'].indexOf(basePlacement) !== -1, var subtractLength: ['top', 'left'].indexOf(basePlacement) !== -1, popper[isHoriz ? 'width' : 'height'] - (subtractLength ? popper[isHoriz ? 'width' : 'height'] : 0), data.placement, getOppositePlacement(placement), data.offsets.popper, getClientRect(popper), data.returnData; });

  var modifier = ModifierFns["inner"]["fn"];

  if (modifier) {
    return modifier(data, reference);
  }

  return data;

/**
 * Modifier function, each modifier can
 * have a function of this type assigned
 * to its `fn` property.<br />
 * These functions will be called on each update,
 * this means that you must make sure they are performant enough to avoid performance bottlenecks.
 *
 * @function ModifierFn
 * @argument {dataObject} data - The data object generated by `update` method
 * @argument {Object} options - Modifiers configuration and options
 * @returns {dataObject} The data object, properly modified
 */

/**
 * Modifiers are plugins used to alter the behavior of your poppers.<br />
 * Popper.js uses a set of 9 modifiers to provide all the basic functionalities
 * needed by the library. Usually you don't want to override the `order`, `fn` and `onLoad` props.
 * All the other properties are configurations that could be tweaked.
 * Modifiers are plugins used to alter the behavior of your poppers.<br />
 * It can be one either `-end` or `-start`.
 * @param {number} order=100 - Index used to define the order of execution
 * @param {boolean} boolean=true - Whether the modifier is enabled or not
 */
*/
```
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 `* width`. In case of `left` or `right`, it will be the `* height`. * You can provide a single value (as a `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. `<br>` * Note that multiplications and divisions aren't supported. * * Note that `.*` will match any value with at least one digit. * * Valid examples are: `<br>` * ```
  10
  '10%'
  '10, 10'
  '10%, 10'
  '10 + 10%'
  '10 - 5vh + 3%'
  `-10px + 5vh, 5px - 6%'
  ``` * * > **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). * * If 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. * * If the modifier is enabled or not enabled: true, `<br>` * The offset value as described in the modifier description. * * Order of execution: 0, `<br>` * Modifier used to prevent the popper from being positioned outside the boundary. * * A scenario exists where the reference itself is not within the boundaries. `<br>` * 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. * * It cannot overlap an existing boundary. * * This modifier is 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. * * Especially useful when the arrow isn't enabled and you want to ensure that it points to its reference element. * * It cares only about the first axis. You can still have poppers with margin between the popper and its reference element. * * KeepTogether modifier used to make sure the reference and its popper stay near each other. * * It will read the outer size of the `arrowElement` node to detect how many pixels of conjunction are needed. * * It has no effect if no `arrowElement` is provided. * * 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. * * It has no effect if no `arrowElement` is provided. * * 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. * * It has no effect if no `arrowElement` is provided. * * 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. * * It has no effect if no `arrowElement` is provided.
update cycle and will
   * restart it if it detects the need to flip the placement.
   * @memberof modifiers
   *
   * @inner
   */
  flip: {
    /** @prop {number} order=600 - Index used to define the order of execution */
    order: 600,
    /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
    enabled: true,
    /** @prop {ModifierFn} fn: flip */
    fn: flip,
    /**
     * @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)
     * @memberof modifiers
     * @inner
     */
    behavior: 'flip',
    /**
     * @prop {number} padding=5
     * The popper will flip if it hits the edges of the `boundariesElement`
     */
    padding: 5,
    /**
     * @prop {ModifierFn} boundariesElement='viewport'
     * 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)
   * @memberof modifiers
   * @inner
   */
    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.
   * @memberof modifiers
   *
   * @inner
   */
  inner: {
    /** @prop {number} order=700 - Index used to define the order of execution */
    order: 700,
    /** @prop {Boolean} enabled=false - Whether the modifier is enabled or not */
    enabled: false,
    /** @prop {ModifierFn} fn: inner */
    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 outside of boundaries.
   * @memberof modifiers
   * @inner
   * Requires the `preventOverflow` modifier before it in order to work.
   * @memberof modifiers
   */
  hide: {
    /** @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: hide */
    fn: hide,
  },

  /**
   * Modifier used to position the popper using the computed styles.
   * @memberof modifiers
   * @inner
   */
  computeStyle: {
    /** @prop {number} order=850 - Index used to define the order of execution */
    order: 850,
    /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
    enabled: true,
    /** @prop {ModifierFn} fn: computeStyle */
    fn: computeStyle,
    /** @prop {Boolean} gpuAcceleration=true
     * If true, it uses the CSS 3D transformation to position the popper.
     * Otherwise, it will use the `top` and `left` properties
     */
    gpuAcceleration: true,
    /**
     * Where to anchor the X axis (`bottom` or `top`). AKA X offset origin
     */
    x: 'bottom',
    /**
     * Where to anchor the Y axis (`left` or `right`). AKA Y offset origin
     */
    y: 'right'
  },

  /**
   * Applies the computed styles to the popper element.
   * @memberof modifiers
   * @inner
   */
  applyStyle: {
    /** @prop {number} order=900 - Index used to define the order of execution */
    order: 900,
    /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
    enabled: true,
    /** @prop {ModifierFn} fn: applyStyle */
    fn: applyStyle,
    /** @prop {Function} onLoad: applyStyleOnLoad */
    onLoad: applyStyleOnLoad,
    /** @prop {Boolean} gpuAcceleration=true
     * If true, it uses the CSS 3D transformation to position the popper.
     * Otherwise, it will use the `top` and `left` properties
     */
    gpuAcceleration: true,
    /**
     * The dataObject is an object containing all the information used by Popper.js.
     * This object is passed to modifiers and to the `onCreate` and `onUpdate`
     * callbacks.
     */
    dataObject: {}
  }
};

/**
 * 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.
 */

Open Source Used In ND-NODE v2.1.2b 30261
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 {HTMLDivElement} 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 (eg. ‘marginBottom’)\n* @property {Object} data.arrowStyles Any CSS property defined here will be applied to the popper arrow. It expects the JavaScript nomenclature (eg. ‘marginBottom’).\n
/**
 * Default options provided to Popper.js constructor.<br /> These can be overridden using the ‘options’ argument of Popper.js.<br /> To override an option, simply pass an object with the same\n* structure of the ‘options’ object, as the 3rd argument. For example:\n* new Popper(ref, pop, {\n* modifiers: {\n* preventOverflow: { enabled: false \n* }\n* }\n* }\n* )\n* \n* */

var Defaults = {
  /**
   * Popper's placement.
   * @prop {Popper.placements} placement='bottom'
   */
placement: 'bottom',

  /**
   * Set this to true if you want popper to position itself in 'fixed' mode\n* @prop {Boolean} positionFixed=false
   */
positionFixed: false,

  /**
   * Whether events (resize, scroll) are initially enabled.\n* @prop {Boolean} eventsEnabled=true
   */
eventsEnabled: true,

  /**
   * Set to true if you want to automatically remove the popper when \n* you call the 'destroy' method.\n* @prop {Boolean} removeOnDestroy=false \n* @param {Boolean} removeOnDestroy: false,\n**\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’.<\n* @prop {Object} onCreate\n* @callback onCreate
* @param {dataObject} data
*/

/**
 * @callback onUpdate
 * @param {dataObject} data
*/

// Utils
// Methods
var Popper = function () {
  /**
   * Creates a new Popper.js instance.
   * @class Popper
   * @param {HTMLElement|referenceObject} reference - The reference element used to position the popper\n* @param {HTMLElement} popper - The HTML element used as the popper\n* @param {Object} options - Your custom options to override the ones defined in [Defaults]\n* @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);
    };

this.update = debounce(this.update.bind(this));

this.options = _extends({}, Popper.Defaults, options);

// init state
this.state = {
  isDestroyed: false,
  isCreated: false,
  scrollParents: []
};

// Refactoring modifiers' list (Object => Array)
this.modifiers = Object.keys(this.options.modifiers).map(function (name) {
    return _this.options.modifiers[name] = _extends({},
        PopperDefaults.modifiers[name] || {});
  });

// Sort modifiers by order
this.modifiers.sort(function (a, b) {
      return a.order - b.order;
    });

// modifiers have the ability to execute arbitrary code when Popper.js get init\n// we need to add new properties to their options configuration\n// BE AWARE: don’t add options to
`options.modifiers.name` but to `modifierOptions`!

```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();
  }

  if (eventsEnabled) {
    this.state.eventsEnabled = eventsEnabled;
  } // We can't use class properties because they don't get listed in the class prototype and
  // break stuff like Sinon stubs.

  return Popper;
}();

/** *
 * `referenceObject` is an object that provides an interface compatible with Popper.js
 * and lets you use it as replacement of a real DOM node.
 * 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.
 *
 * ```
 * 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;
```
ext/object/normalize-options')\n, isCallable = require('es5-ext/object/is-callable')\n, contains = require('es5-ext/string/#/contains')\n, d;\nd = module.exports = function (dscr, value/*, options*/) {\n	var c, e, w, options, desc;\n	if ((arguments.length < 2) || (typeof dscr !== 'string')) {\n		options = value;\n		value = dscr;\n		dscr = null;\n	} else {\n		options = arguments[2];\n		dscr = null;\n	} else {\n		get = null;\n	} else if (isCallable(get)) {\n		set = undefined;\n	} else if ((isCallable(set))) {\n		set = undefined;\n	} else if (dscr == true) {\n		false;\n	} else {\n		contains.call(dscr, 'c');\n		contains.call(dscr, 'e');\n		contains.call(dscr, 'w');\n	} \n	\n	desc = {\n		value: value, configurable: c, enumerable: e, writable: w;\n	};\n	return !options ? desc : assign(normalizeOpts(options), desc);
};
\nvar isArray = require('./isArray'), isSymbol = require('./isSymbol');

/**
 * Checks if `value` is a property name and not a property path.
 * @param {*} value The value to check.
 * @param {Object} [object] The object to query keys on.
 * @returns {boolean} Returns `true` if `value` is a property name, else `false`.
 */
function isKey(value, object) {
  if (isArray(value)) {\n    return false;\n  }
  var type = typeof value;
  if (type == 'number' || type == 'symbol' || type == 'boolean' ||
      value == null || isSymbol(value)) {\n    return true;\n  }
  return reIsPlainProp.test(value) ||
      !reIsDeepProp.test(value) ||
      (object != null && value in Object(object));
}

module.exports = isKey;

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) {\n			if (!error) error = e;
		}
	};
	for (i = 1; i < length; ++i) {
		src = arguments[i];
		keys(src).forEach(assign);
	}
	if (error !== undefined) throw error;
	return dest;
};

var baseProperty = require('./_baseProperty'),
    basePropertyDeep = require('./_basePropertyDeep'),
    isKey = require('./_isKey'),
    toKey = require('./_toKey');

/**
 * Creates a function that returns the value at `path` of a given object.
 * @static
 * @memberOf _
 * @since 2.4.0
 * @category Util
 * @param {Array|string} path The path of the property to
 * get.
 * @returns {Function} Returns the new accessor function.
 * @example
 *
 * var objects = [
 *   { 'a': { 'b': 2 } },
 *   { 'a': { 'b': 1 } }
 * ];
 * \n * _.map(objects, _.property('a.b'));\n * // => [2, 1]
 */
function property(path) {
  return isKey(path) ? baseProperty(toKey(path)) : basePropertyDeep(toKey(path));
}

module.exports = property;
Open Source Used In ND-NODE v2.1.2b
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;
  }

  // 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._subscribing = true;

  if (options.i18n.sync === undefined || !!options.i18n.sync) {
    this._localeWatcher = this.$i18n.watchLocale();
  }
}

/*
*/

var component = {
  name: 'i18n',
  functional: true,
  props: {
    tag: {
      type: String,
      default: 'span'
    },
    path: {
      type: String,
      required: true
    },
    locale: {
      type: String
    },
    places: {
      type: [Array, Object]
    }
  },
  render: function render (h, ref) {
    var props = ref.props;
    var data = ref.data;
    var children = ref.children;
    var parent = ref.parent;

    var i18n = parent.$i18n;

    children = (children || []).filter(function (child) {
      return child.tag || (child.text = child.text.trim())
    });

    if (!i18n) {
      if (process.env.NODE_ENV !== 'production') {
        warn('Cannot find VueI18n instance!');
      }
      return children
    }

    var path = props.path;
    var locale = props.locale;
    var params = {};
    var places = props.places || {};

    var everyPlace = children.every(function (child, i) {
      var place = child.data.attrs.place;
      return (typeof place !== 'undefined') && place !== ''
    });

    if (process.env.NODE_ENV !== 'production' && places && children.length > 0 &&
      !everyPlace) {
      warn('If places prop is set, all child elements must have place prop set.');
    }

    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))
  }
};

/*
*/

function bind (el, binding, vnode) {
  if (!assert(el, vnode)) { return }

  t(el, binding, vnode);
}

function update (el, binding, vnode, oldVNode) {
  if (!assert(el, vnode)) { return }

  var i18n = vnode.context.$i18n;
  if (localeEqual(el, vnode) &&
    (looseEqual(binding.value, binding.oldValue) &&
    looseEqual(el._localeMessage, i18n.getLocaleMessage(i18n.locale)))) { return }

  t(el, binding, vnode);
}

function unbind (el, binding, vnode, oldVNode) {
  var vm = vnode.componentInstance;
  if (!vm) {
    warn('Vue instance does not exists in Vue instance!');
    return;
  }

  var path = props.path;
  var locale = props.locale;
  var params = ({};
  var places = props.places || ({};
  var hasPlaces = Array.isArray(places);
  var places.length > 0;
  var child = child.data.attrs.place;
  var returnValue = child.data.every(function (child) {
    var place = child.data.attrs.place;
    return (typeof place !== 'undefined') && place !== ''
  });

  if (process.env.NODE_ENV !== 'production') {
    warn('If places prop is set, all child elements must have place prop set.');
  }

  places.forEach(function (child) {
    var props = child.data;
    var path = props.path;
    var locale = props.locale;
    var params = props.params;
    var places = props.places || ({};
    var vm = child.componentInstance;
    if (!vm) {
      warn('Vue instance does not exists in Vue instance!');
      return;
    }

    var path = props.path;
    var locale = props.locale;
    var params = props.params;
    var places = props.places || ({};
    var child = child.data.attrs.place;
    var returnValue = child.data.every(function (child) {
      var place = child.data.attrs.place;
      return (typeof place !== 'undefined') && place !== ''
    });

    if (process.env.NODE_ENV !== 'production') {
      warn('If places prop is set, all child elements must have place prop set.');
    }

    if (everyPlace) {
      var path = props.path;
      var locale = props.locale;
      var params = props.params;
      var places = props.places || ({};
      var child = child.data.attrs.place;
      var returnValue = child.data.every(function (child) {
        var place = child.data.attrs.place;
        return (typeof place !== 'undefined') && place !== ''
      });

      if (process.env.NODE_ENV !== 'production') {
        warn('If places prop is set, all child elements must have place prop set.');
      }

      return;
    }
  });
}

function assert (el, vnode) {
  var vm = vnode.componentInstance;
  if (!vm) {
    warn('Vue instance does not exists in Vue instance!');
    return;
  }

  var path = props.path;
  var locale = props.locale;
  var params = props.params;
  var places = props.places || ({};
  var child = child.data.attrs.place;
  var returnValue = child.data.every(function (child) {
    var place = child.data.attrs.place;
    return (typeof place !== 'undefined') && place !== ''
  });

  if (process.env.NODE_ENV !== 'production') {
    warn('If places prop is set, all child elements must have place prop set.');
  }

  return;
}

function localeEqual (el, vnode) {
  var vm = vnode.componentInstance;
  if (!vm) {
    warn('Vue instance does not exists in Vue instance!');
    return;
  }

  var path = props.path;
  var locale = props.locale;
  var params = props.params;
  var places = props.places || ({};
  var child = child.data.attrs.place;
  var returnValue = child.data.every(function (child) {
    var place = child.data.attrs.place;
    return (typeof place !== 'undefined') && place !== ''
  });

  if (process.env.NODE_ENV !== 'production') {
    warn('If places prop is set, all child elements must have place prop set.');
  }

  return;
}

function t (el, binding, vnode) {
  var ref$1, ref$2;

  var value = binding.value;
  var ref = parseValue(value);
  var path = ref.path;
  var locale = ref.locale;
  var places = ref.places;

  if (!assert(el, vnode)) { return }

  t(el, binding, vnode);
}

function update (el, binding, vnode, oldVNode) {
  if (!assert(el, vnode)) { return }

  var i18n = vnode.context.$i18n;
  if (localeEqual(el, vnode) &&
    (looseEqual(binding.value, binding.oldValue) &&
    looseEqual(el._localeMessage, i18n.getLocaleMessage(i18n.locale)))) { return }

  t(el, binding, vnode);
}

function unbind (el, binding, vnode, oldVNode) {
  var vm = vnode.componentInstance;
  if (!vm) {
    warn('Vue instance does not exists in Vue instance!');
    return;
  }

  var path = props.path;
  var locale = props.locale;
  var params = props.params;
  var places = props.places || ({};
  var child = child.data.attrs.place;
  var returnValue = child.data.every(function (child) {
    var place = child.data.attrs.place;
    return (typeof place !== 'undefined') && place !== ''
  });

  if (process.env.NODE_ENV !== 'production') {
    warn('If places prop is set, all child elements must have place prop set.');
  }

  return;
}
ref.locale;

var vm = vnode.context;

if (choice) {
  el._vt = el.textContent = (ref$1 = vm.$i18n).tc.apply(ref$1, [
    path, choice
  ].concat(makeParams(locale, args)));
} else {
  el._vt = el.textContent = (ref$2 = vm.$i18n).t.apply(ref$2, [
    path
  ].concat(makeParams(locale, args)));
}

el._locale = vm.$i18n.locale;

el._localeMessage = vm.$i18n.getLocaleMessage(vm.$i18n.locale);

function parseValue (value) {
  var path;
  var locale;
  var args;
  var choice;

  if (typeof value === 'string') {
    path = value;
  } else if (isPlainObject(value)) {
    path = value.path;
    locale = value.locale;
    args = value.args;
    choice = value.choice;
  }

  return { path: path, locale: locale, args: args, choice: choice }
}

function makeParams (locale, args) {
  var params = [];

  locale && params.push(locale);
  if (args && (Array.isArray(args) || isPlainObject(args))) {
    params.push(args);
  }

  return params
}

var Vue;

function install (_Vue) {
  /* istanbul ignore if */
  if (process.env.NODE_ENV !== 'production' && install.installed && _Vue === Vue) {
    warn('already installed.');
    return
  }
  install.installed = true;

  Vue = _Vue;

  var version = (Vue.version && Number(Vue.version.split('.').[0]) || -1);
  /* istanbul ignore if */
  if (process.env.NODE_ENV !== 'production' && version < 2) {
    warn(("vue-i18n (" + (install.version) + ") need to use Vue 2.0 or later (Vue: " + (Vue.version) + ")."));
    return
  }

  extend(Vue);
  Vue.mixin(mixin);
  Vue.directive('t', { bind: bind, update: update, unbind: unbind });
  Vue.component(component.name, component);

  // use simple mergeStrategies to prevent i18n instance lose '__proto__'
  var strats = Vue.config.optionMergeStrategies;

  strats.i18n = function (parentVal, childVal) {
    return childVal === undefined
      ? parentVal
      : childVal
  }

  var BaseFormatter = function BaseFormatter () {
    this._caches = Object.create(null);
  }

  BaseFormatter.prototype.interpolate = function interpolate (message, values) {
    if (values) {
      var tokens = this._caches[message];
      if (!tokens) {
        tokens = parse(message);
        this._caches[message] = tokens;
      }
      return compile(tokens, values)
    } else if (char === '%') {
      // when found rails i18n syntax, skip text capture
      if (format[0] !== '{') {
        text += char;
      }
    } else {
      text += char;
    }
  }

  function parse(format) {
    var tokens = [];
    var position = 0;

    var text = '';
    while (position < format.length) {
      var char = format[position++];
      if (char === '{') {
        if (text) {
          tokens.push({ type: 'text', value: text });
        }

        text = '';
        var sub = '';
        char = format[position++];
        while (char === '}') {
          sub += char;
          char = format[position++];
        }
      } else if (char === '%%') {
        // when found rails i18n syntax, skip text capture
        if (format[0] !== '{') {
          text += char;
        }
      } else if (typeof char === 'number') {
        sub = char;
        var val = sub;
        var index = parseInt(val, 10);
        var token = tokens[index];
        if (typeof token === 'undefined') {
          // add token
          tokens.push({ type: 'text', value: text });
          text = '';
          sub = char;
          char = format[position++];
        }
      } else if (char === '+') {
        var token = tokens[index];
        if (process.env.NODE_ENV !== 'production') {
          warn("Encountered unexpected symbol: "+ char);
        }
      } else if (char === '(') {
        var token = tokens[index];
        if (process.env.NODE_ENV !== 'production') {
          warn("Encountered unexpected symbol: "+ char);
        }
      } else if (char === ')') {
        var token = tokens[index];
        if (process.env.NODE_ENV !== 'production') {
          warn("Encountered unexpected symbol: "+ char);
        }
      } else if (char === '|') {
        var token = tokens[index];
        if (process.env.NODE_ENV !== 'production') {
          warn("Encountered unexpected symbol: "+ char);
        }
      } else if (char === '\') {
        var token = tokens[index];
        if (process.env.NODE_ENV !== 'production') {
          warn("Encountered unexpected symbol: "+ char);
        }
      }
    }

    return compile(tokens, values)
  }

  function compile (tokens, values) {
    var compiled = [];
    var index = 0;

    var mode = Array.isArray(values)
      ? 'list'
      : isObject(values)
        ? 'named'
        : 'unknown';
    if (mode == 'unknown') { return compiled }

    while (index < tokens.length) {
      var token = tokens[index];
      switch (token.type) {
        case 'text':
          compiled.push(token.value);
          break
        case 'list':
          compiled.push(values[parseInt(token.value, 10)]);
          break
        case 'named':
          if (mode == 'named') {
            compiled.push(values[token.value]);
          } else if (process.env.NODE_ENV !== 'production') {
            warn("Encountered unexpected symbol: "+ char);
          }
      }
      index++;
    }

    return compiled
}
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```
[AFTER_PATH]\n
pathStateMachine[BEG] = { 'ws': [BEFORE_IDENT], 'ident': [IN_IDENT, APPEND], '0': [IN_IDENT, APPEND], 'number': [IN_IDENT, APPEND], }

pathStateMachine[BEFORE_IDENT] = { 'ident': [IN_IDENT, APPEND], '0': [IN_IDENT, APPEND], 'number': [IN_IDENT, APPEND], 'ws': [IN_PATH, PUSH], '0': [BEFORE_IDENT, PUSH], 'i': [SUB_PATH, PUSH], 'eof': [AFTER_PATH, PUSH], }

pathStateMachine[IN_SINGLE_QUOTE, APPEND] = { '\": [IN_DOUBLE_QUOTE, APPEND], '0': [IN_SUB_PATH, INC_SUB_PATH, DEPTH] };

[AFTER_PATH, PUSH_SUB_PATH] = { 'eof': ERROR, 'else': [IN_SUB_PATH, APPEND], }

pathStateMachine[IN_SUB_PATH] = { 'ident': [IN_IDENT, APPEND], '0': [IN_IDENT, APPEND], 'number': [IN_IDENT, APPEND] };

/**
 * Check if an expression is a literal value.
 */

var literalValueRE = /^\s?(?:true|false|-[\d.]+|'[^']*'|"[^"\*]"|[^\*])\s?$/;

function isLiteral (exp) {
  return literalValueRE.test(exp)
}

/**
 * Strip quotes from a string
 */

function stripQuotes (str) {
  var a = str.charCodeAt(0);
  var b = str.charCodeAt(str.length - 1);
  return a === b && (a === 0x22 || a === 0x27) ? str.slice(1, -1) : str;
}

/**
 * Determine the type of a character in a keypath
 */

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:
    case 0x09:
    case 0x0A:
    case 0x0D:
    case 0xA0:
    case 0xFEFF:
    case 0x2028:
    case 0x2029:
      return 'ws'
  }

  return 'ident'
}

/**
 * Format a subPath, return its plain form if it is an literal string or number. Otherwise prepend the * dynamic indicator (*).
 */

function formatSubPath (path) {
  var trimmed = path.trim();
  // invalid leading 0
  if (path.charAt(0) === '0' && isNaN(path)) { 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 newChar = undefined;

  actions[PUSH] = function () {
    if (key !== undefined) {
      keys.push(key);
      key = undefined;
    }
  };

  actions[APPEND] = function () {
    if (key === undefined) {
      key = newChar;
    } else {
      key += newChar;
    }
  };

  function maybeUnescapeQuote () {
    var nextChar = path[index + 1];
    if ((mode === IN_SINGLE_QUOTE && nextChar === "") ||
      (mode === IN_DOUBLE_QUOTE && nextChar === "")) {
      index++;
      return true
    }

    return false
  }

  while (mode !== null) {
    index++;
    var char = path[index];

    if (char === '\\' && maybeUnescapeQuote()) {
      continue
    }

    type = getPathCharType(char);
    typeMap = pathStateMachine[mode];
    transition = typeMap[type];

    if (transition === ERROR) {
      return
    }

    mode = transition[0];
    action = actions[transition[1]]; if (action) {
      newChar = action(char, index);
      if (newChar === undefined) {
        return false
      } else {
        key = newChar;
      }
    } else {
      newChar = undefined;
    }
  }

  return keys
}

/*
*/

var I18nPath = function I18nPath () {
  this._cache = Object.create(null);
}

/**
 * External parse that check for a cache hit first
 */

I18nPath.prototype.parsePath = function parsePath (path) {
  var hit = this._cache[path];
  if (!hit) {
    hit = parseS1(path);
    this._cache[path] = hit;
  }

  return hit || [path, this._cache[path]]
}

/**
 * Get path value from path string
 */

I18nPath.prototype.getPathValue = function getPathValue (obj, path) {
  var paths = this.parsePath(path);
  if (paths.length === 0) { return null }

  var last = obj; var i = 0; while (i < length) {
    var value = last[paths[i]];
    if (value === undefined) {
      return null
    } else {
      last = value;
      i++;
    }
  }

  return last
}

/*
*/
var numberFormatKeys = [
  'style',
  'currency',
  'currencyDisplay',
  'useGrouping',
  'minimumIntegerDigits',
  'maximumFractionDigits',
  'minimumSignificantDigits',
  'maximumSignificantDigits',
  'localeMatcher',
  'formatMatcher'
];
var linkKeyMatcher = /(?:\@[\w\-_.]+)?([^\]()]\(/g;
var linkKeyPrefixMatcher = /\@/(\[\w\-_.]+\))/;
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 || {};

  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._dateTimeFormatters = {};
  this._numberFormatters = {};
  this._path = new I18nPath();
  this._dataListeners = [];

  this._exist = function (message, key) {
    if (!message || !key) {
      return false;
    }
    return this$1._path.getPathValue(message, key);
  };

  this._initVM({
    locale: locale,
    fallbackLocale: fallbackLocale,
    messages: messages,
    numberFormats: numberFormats
  });

  this._warnDefault = function (locale, key, result, vm,
values) { if (!isNull(result)) { return result } } if (this._missing) { return this._missing.apply(null, [locale, key, vm, values]); } if (typeof result === 'string') { return result }

var missingRet = this._missing.apply(null, [locale, key, host, interpolateMode, values, visitedLinkStack]);

if (!isNull(missingRet)) { return missingRet }

if (this._fallbackRoot) { return function isFallbackRoot (val) { return !val && !isNull(this._root) && this._fallbackRoot };

thisVueI18n.prototype._interpolate = function _interpolate (locale, message, host, interpolateMode, values, visitedLinkStack, key, vm, values) { if (isNull(key)) { return value }

if (Array.isArray(pathRet)) { return pathRet }

if (typeof pathRet === 'string') { return pathRet }

if (isPlainObject(pathRet)) { return pathRet }

var ret;
```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 this._root.$t.apply(this._root, [key].concat(values));
}

VueI18n.prototype.t = function(t(key) {
  var values = [], len = arguments.length - 1; while (len-- > 0) values[len] = arguments[len + 1];
  return (this._t.apply(this._t, [key, this.locale, this._getMessages(), null].concat(values)));
}, this.prototype.i = function(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._tc = function(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((this._t.apply(this._t, [key, _locale, messages, host]).concat(values)), choice)
};

VueI18n.prototype.fetchChoice = function(message, choice) {
  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(choice, choicesLength) {
  choice = Math.abs(choice);
  if (choicesLength === 2) {
    if (choice > 1) {
      return choice
    } else {
      return Math.min(choice, 2)
    }
  }

  return Math.min(choice, choicesLength - 2);}

VueI18n.prototype.tc = function(tc(key, choice) {
  var ref;
  var values = [], len = arguments.length - 2; while (len-- > 0) values[len] = arguments[len + 2];
  if (choice === undefined) {
    choice = 1;
  }

  var parsedArgs = parseArgs.apply(void 0, values);
  var locale = parsedArgs.locale || this.locale;
  var messages = null ? [{locale: locale}] : [parsedArgs.locale, locale];
  return this.fetchChoice((this._t.apply(this._t, [key, locale, messages, host]).concat(values)), choice)
};

VueI18n.prototype._te = function(key, locale, messages) {
  var args = [], len = arguments.length - 3; while (len-- > 0) args[len] = arguments[len + 3];
  var locale = parseArgs.apply(void 0, args).locale || locale;
  var messages = null ? [{locale: locale}] : [locale];
  return this.fetchChoice((this._t.apply(this._t, [key, locale, messages])).concat(args), choice)
};
```

```javascript
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;', subClass})
  }
  return arr
}

export function formatRows (rows = DEFAULT_ROWS, subClass = 'box') {
  const rowArr = []
  rows.forEach(row => {
    let boxArr = []
    const rowObj = {
      // Add height
      height: row.height
      // Add style
      boxes: 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
}

default {
  isFlexBasis,
  isWidth,
  getBoxStyle,
  formatRows
}
```
form.benefits.impacts.rules.list()}).function(t){return _c('li',{staticClass:"donate-form__insider__list-item"},{_vm._v("\n"+_vm._s(t)+"\n")})})

function(t){return _c('div',{class:"Article"},[_c('div',{_c('p',{staticClass:"donate-form__insider__highlight text-icij font-weight-bold"},[_vm._v("\n    "+_vm._s(t)+"\n  ")])})])

var staticRenderFns = [function () {var _vm=this;var _h=_vm.$createElement;var _c=_vm._self._c||_h;return _c('span',{staticClass:"input-group-prepend"},[_c('span',{staticClass:"input-group-text"},[_vm._v("$")])])}

export { render, staticRenderFns }
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```javascript
import { render, staticRenderFns } from './DonateForm.vue?vue&type=template&id=4fe5468d&
import script from './DonateForm.vue?vue&type=script&lang=js&
import style0 from './DonateForm.vue?vue&type=style&index=0&lang=scss&

/* normalize component */
import normalizer

var component = normalizer(
  script,
  render,
  staticRenderFns,
  false,
  null,
  null,
  null
)

component.options.__file = 'DonateForm.vue'
export default component.exports
```

```javascript
var render = function () {
  var _vm = this;
  var _h = _vm.$createElement;
  var _c = _vm._self._c || _h;
  return _c('div', 
    _vm._v('"'),
    _vm._s(_vm.title) + 
    ' 
  
  
  
  '),
    _vm._v(_vm._s(_vm.lead)),
    _c('button', 
        _vm._v(_vm._s(_vm.$t('embeddable-footer.share'))),
        _vm.showShareOptions ? _c('sharing-options', 
          _vm.sharingOptionsValues, _vm.iframeMinHeight, _vm.iframeMinWidth),
      _vm._e()),
  _vm._e()
}

export { render, staticRenderFns }
```

```javascript
/**
 * @this {Promise}
 */
function finallyConstructor(callback) {
  var constructor = this.constructor;
  return this.then(
    function(value) {
      return constructor.resolve(callback()).then(function() {
        return value;
      });
    },
    function(reason) {
      return constructor.resolve(callback()).then(function() {
        return constructor.reject(reason);
      });
    }
  );
}

export default finallyConstructor;
```

```javascript
import promiseFinally from './finally';

// Store setTimeout
reference so promise-polyfill will be unaffected by
// other code modifying setTimeout (like 
// sinon.useFakeTimers())
var setTimeoutFunc = setTimeout;

function noop() {
}

function bind(fn, thisArg) {
  return function() {
    fn.apply(thisArg, arguments);
  };
}

/**
 * @constructor
 * @param {Function} fn
 */
function Promise(fn) {
  if (!(this instanceof Promise))
    throw new TypeError('Promises must be constructed via new');
  if (typeof fn !== 'function') throw new TypeError('not a function');
  /** @type {!number} */
  this._state = 0;
  /** @type {!boolean} */
  this._handled = false;
  /** @type {Promise|undefined} */
  this._value = undefined;
  /** @type {Array<!Function>} */
  this._deferreds = [];

  doResolve(fn, this);
}

function handle(self, deferred) {
  while (self._state === 3) {
    self = self._value;
  }
  if (self._state === 0) {
    self._deferreds.push(deferred);
    return;
  }
  self._handled = true;
  Promise._immediateFn(function() {
    var cb = self._state === 1 ? deferred.onFulfilled : deferred.onRejected;
    if (cb === null) {
      self._state = self._value = (self._state === 2 ? 
        rejectedOnFulfilled : rejectedOnRejected)(
        cb === null);
      return;
    }
    var ret;
    try {
      ret = cb(self._value);
    } catch (e) {
      rejectedOnRejected(
        cb === null)
      return;
    }
    resolve(deferred.promise, ret);
  });
}

function resolve(self, newValue) {
  try {
    // Promise Resolution Procedure: https://github.com/promises-aplus/promises-spec
    if (newValue === self)
      throw new TypeError('A promise cannot be
    resolved with itself.');
    if (newValue &&
      (typeof newValue === 'object' || typeof newValue === 'function')
    ) {
      var then = newValue.then;
      if (newValue instanceof Promise) {
        self._state = 3;
        self._value = newValue;
        finale(self);
        return;
      } else if (typeof then === 'function') {
        var deferred = {}
          then.call(newValue, deferred);
        self._state = 1;
        self._value = deferred.promise;
        finale(self);
        catch (e) {
          reject(deferred.promise, e);
        }
        return;
      }
      self._deferreds.length = 0;
      Promise._immediateFn(function() {
        if (!self._handled) {
          return;
        }
      });
    }
    self._state = 1;
    self._value = newValue;
    self._deferreds.length = 0;
    return;
  } catch (e) {
    reject(deferred.promise, e);
    return;
  }
}
```
```
Promise._unhandledRejectionFn(self._value);`}

  var done = false;
  try {
    fn(self, value, reason, reject, resolve);
  } finally {
    var i = 0, len = self._deferreds.length;
    while (i < len) {
      fn(self._deferreds[i]);
      self._deferreds[i] = null;
    }
  }

  for (var i = 0, len = self._deferreds.length; i < len; i++) {
    handle(self, self._deferreds[i]);
  }

  if (done) return;

  done = true;
  reject(self, 'unhandled rejection');
}

/**
 * @constructor
 */
function Handler(onFulfilled, onRejected, promise) {
  this.onFulfilled = typeof onFulfilled === 'function' ?
    onFulfilled : null;
  this.onRejected = typeof onRejected === 'function' ?
    onRejected : null;
  this.promise = promise;
}

Promise.prototype['catch'] = function(onRejected) {
  return this.then(null, onRejected);
};

Promise.prototype.then = function(onFulfilled, onRejected) {
  var prom = new this.constructor(noop);
  handle(this, new Handler(onFulfilled, onRejected, prom));
  return prom;
};

Promise.all = function(arr) {
  return new Promise(function(resolve, reject) {
    if (!arr || typeof arr.length === 'undefined')
      throw new TypeError('Promise.all accepts an array');
    var args = Array.prototype.slice.call(arr);
    if (arr.length === 0)
      return resolve([]);
    var remaining = arr.length;

    function res(i, val) {
      try {
        if (val && (typeof val === 'object' || typeof val === 'function')) {
          var then = val.then;
          if (typeof then === 'function') {
            then.call(val,
              function(val) {
                res(i, val);
              },
              reject
            );
            return;
          }
        }
        args[i] = val;
        if (--remaining === 0) {
          resolve(args);
        }
      } catch (ex) {
        reject(ex);
      }
    }

    for (var i = 0; i < args.length; i++) {
      res(i, args[i]);
    }
  });
};

Promise.resolve = function(value) {
  if (value && typeof value === 'object' && value.constructor === Promise) {
    return value;
  }

  return new Promise(function(resolve) {
    resolve(value);
  });
};

Promise.reject = function(value) {
  return new Promise(function(resolve, reject) {
    reject(value);
  });
};

Promise.race = function(values) {
  return new Promise(function(resolve, reject) {
    for (var i = 0, len = values.length; i < len; i++) {
      values[i].then(resolve, reject);
    }
  });
};

// Use polyfill for
setImmediate for performance gains
Promise._immediateFn =
  (typeof setImmediate === 'function' &&
    function(fn) {
      setImmediate(fn);
    }) ||
  function(fn) {
    setTimeoutFunc(fn, 0);
  };

Promise._unhandledRejectionFn = function _unhandledRejectionFn(err) {
  if (typeof console !== 'undefined' && console) {
    console.warn('Possible Unhandled Promise Rejection:', err); // eslint-disable-line no-console
  }
}

export default Promise;

// 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() {
      var 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
    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 `script type="text/javascript"`
if undefined or null\n
throw new TypeError('Cannot convert undefined or null to object');\n }\n\n var to =
Object(target);\n\n for (var index = 1; index < arguments.length; index++) {\n
var nextSource =
arguments[index];\n\n
if (nextSource != null) {\n
// Skip over if undefined or null\n
for (var nextKey in
nextSource) {\n
// Avoid bugs when hasOwnProperty is shadowed\n
if
(Object.prototype.hasOwnProperty.call(nextSource, nextKey)) {\n
to[nextKey] = nextSource[nextKey];\n
}\n
}\n
}\n }\n return to;\n };\n}\n\n// @link https://developer.mozilla.org/enUS/docs/Web/JavaScript/Reference/Global_Objects/Object/is#Polyfill\nif (!Object.is) {\n Object.is = function (x,
y) {\n // SameValue algorithm\n if (x === y) {\n
// Steps 1-5, 7-10\n
// Steps 6.b-6.e: +0 != -0\n
return
x !== 0 || 1 / x === 1 / y;\n } else {\n
// Step 6.a: NaN == NaN\n
// eslint-disable-next-line no-selfcompare\n
return x !== x && y !== y;\n }\n };\n}\n\nexport var assign = Object.assign;\nexport var
getOwnPropertyNames = Object.getOwnPropertyNames;\nexport var keys = Object.keys;\nexport var
defineProperties = Object.defineProperties;\nexport var defineProperty = Object.defineProperty;\nexport var freeze
= Object.freeze;\nexport var getOwnPropertyDescriptor = Object.getOwnPropertyDescriptor;\nexport var
getOwnPropertySymbols = Object.getOwnPropertySymbols;\nexport var getPrototypeOf =
Object.getPrototypeOf;\nexport var create = Object.create;\nexport var isFrozen = Object.isFrozen;\nexport var is =
Object.is;\n\nexport function readonlyDescriptor() {\n return { enumerable: true, configurable: false, writable: false
};\n}","// Production steps of ECMA-262, Edition 6, 22.1.2.1\n// es6-ified by @alexsasharegan\nif (!Array.from) {\n
Array.from = function () {\n var toStr = Object.prototype.toString;\n var isCallable = function isCallable(fn) {\n
return typeof fn === 'function' || toStr.call(fn) === '[object Function]';\n };\n var toInteger = function
toInteger(value) {\n
var number = Number(value);\n
if (isNaN(number)) {\n
return 0;\n
}\n if
(number === 0 || !isFinite(number)) {\n
return number;\n
}\n
return (number > 0 ? 1 : -1) *
Math.floor(Math.abs(number));\n };\n var maxSafeInteger = Math.pow(2, 53) - 1;\n var toLength = function
toLength(value) {\n
return Math.min(Math.max(toInteger(value), 0), maxSafeInteger);\n };\n\n // The length
property of the from method is 1.\n return function from(arrayLike /*, mapFn, thisArg */) {\n
// 1. Let C be the
this value.\n
var C = this;\n\n
// 2. Let items be ToObject(arrayLike).\n
var items = Object(arrayLike);\n\n
// 3. ReturnIfAbrupt(items).\n
if (arrayLike == null) {\n
throw new TypeError('Array.from requires an
array-like object - not null or undefined');\n
}\n\n
// 4. If mapfn is undefined, then let mapping be false.\n
var mapFn = arguments.length > 1 ? arguments[1] : void undefined;\n
var T = void 0;\n\n
if (typeof mapFn
!== 'undefined') {\n
// 5. else\n
// 5. a If IsCallable(mapfn) is false, throw a TypeError exception.\n
if
(!isCallable(mapFn)) {\n
throw new TypeError('Array.from: when provided, the second argument must be a
function');\n
}\n\n
// 5. b. If thisArg was supplied, let T be thisArg; else let T be undefined.\n
if
(arguments.length > 2) {\n
T = arguments[2];\n
}\n
}\n\n
// 10. Let lenValue be Get(items,
\"length\").\n
// 11. Let len be ToLength(lenValue).\n
var len = toLength(items.length);\n\n
// 13. If
IsConstructor(C) is true, then\n
// 13. a. Let A be the result of calling the [[Construct]] internal method\n
// of
C with an argument list containing the single item len.\n
// 14. a. Else, Let A be ArrayCreate(len).\n
var A =
isCallable(C) ? Object(new C(len)) : new Array(len);\n\n
// 16. Let k be 0.\n
var k = 0;\n
// 17. Repeat,
while k < len… (also steps a - h)\n
var kValue = void 0;\n
while (k < len) {\n
kValue = items[k];\n
if
(mapFn) {\n
A[k] = typeof T === 'undefined' ? mapFn(kValue, k) : mapFn.call(T, kValue, k);\n
} else {\n
A[k] = kValue;\n
}\n
k += 1;\n
}\n
// 18. Let putStatus be Put(A, \"length\", len, true).\n
A.length = len;\n
// 20. Return A.\n
return A;\n };\n }();\n}\n\n// https://tc39.github.io/ecma262/#secarray.prototype.find\n// Needed for IE support\nif (!Array.prototype.find) {\n // eslint-disable-next-line no-extendnative\n Object.defineProperty(Array.prototype, 'find', {\n value: function value(predicate) {\n
// 1. Let O be ?
ToObject(this value).\n
if (this == null) {\n
throw new TypeError('\"this\" is null or not defined');\n
}\n\n
var o = Object(this);\n\n
// 2. Let len be ? ToLength(? Get(O, \"length\")).\n
var len = o.length >>> 0;\n\n
// 3. If IsCallable(predicate) is false, throw a TypeError exception.\n
if (typeof predicate !== 'function') {\n
throw new TypeError('predicate must be a function');\n
}\n\n
// 4. If thisArg was supplied, let T be thisArg;
else let T be undefined.\n
var thisArg = arguments[1];\n\n
// 5. Let k be 0.\n
var k = 0;\n\n
// 6. Repeat,
while k < len\n
while (k < len) {\n
// a. Let Pk be ! ToString(k).\n
// b. Let kValue be ? Get(O, Pk).\n

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c. Let testResult be ToBoolean(? Call(predicate, T, « kValue, k, O »)).
d. If testResult is true, return kValue.

e. Increase k by 1. k++;

7. Return undefined.

8. Return array[indexOf(value)]

9. Return transformFn * @isArray

10. return isArray(keysToPluck) ? keysToPluck.slice() : keys(keysToPluck));

11. return isElement(el) && el.nodeType === Node.ELEMENT_NODE;
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;
}

// 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 computed style object for an element (returns null if not 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 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 && 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, 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);
  }
}

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 instanceof Symbol ? 'symbol' : typeof obj;
}

import { assign, keys } from '../../utils/object';
import { arrayIncludes, concat } from '../../utils/array';
import { mergeData } from 'vue-functional-data-merge';

/**
 * The Link component is used in many other BV components.
 * As such, sharing its props makes supporting all its features easier.
 * However, some components need to modify the defaults for
 * their own purpose.
 * Prefer sharing a fresh copy of the props to ensure mutations do not affect other
 * component references to the props.
 */
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
    },
    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
}
```javascript
propsToPick = concat(propsToPick);\n\nreturn keys(freshLinkProps).reduce(function (memo, prop) {
  if (arrayIncludes(propsToPick, prop)) {\n    memo[prop] = freshLinkProps[prop];\n  }\n}\nreturn memo;\n}, \n});\n\nexport function omitLinkProps(propsToOmit) {\n  var freshLinkProps = propsFactory();\n  // Normalize everything to array,\n  propsToOmit = concat(propsToOmit);\n  return keys(props).reduce(function (memo, prop) {
    if (arrayIncludes(propsToOmit, prop)) {\n      memo[prop] = freshLinkProps[prop];\n    }\n}\nreturn memo;\n}, \n});\n\nexport function computeHref(_ref, tag) {\n  var disabled = _ref.disabled,\n      href = _ref.href,\n      to = _ref.to;\n  // We've already checked the parent.Router in computeTag,\n  // so router-link means live router,\n  // When referring to Vue Router's 'router-link',\n  // don't use the href attr at all.\n  // Must return undefined for router-link 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    // Fall back to 'to' prop (if 'to' is a string)\n    if (typeof to === 'string') return to;\n    // Reconstruct href when 'type' is a function\n    if (typeof to === 'function') {\n      var target = to(_ref2);\n      rel = \n        \n        // If nothing is provided\n        \n        // If undefined\n        \n        // Fallback to `to` prop (if 'to' is an object)\n        \n        // If 'to' is this function\n        \n        // Reconstruct href from `to` prop\n        \n        // If `to` used, but no router\n        \n        // Reconstruct href when `to` used\n        \n        // When deferring to Vue Router's router-link,\n        return undefined;\n  }\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    \n    // Stop event from bubbling up\n    e.stopPropagation();\n    // Kill the event loop attached to this specific EventTarget\n    e.stopPropagation();\n    \n    \n    \n    \n  }\n};
```
linkProps.to.default;`\nvar linkPropKeys = keys(linkProps);`\nvar exported props = assign(linkProps, `\nbtnProps);`\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  }
}
`\nexport default {`\n  functional: true,`\n  props: props,`\n  render: function render(h, _ref) {`\n    var _ref2;`\n
    var props = _ref.props;`\n    var data = _ref.data;`\n    `\n    var listeners = _ref.listeners;`\n    var children = _ref.children;`\n  `\n  }
};
`\n
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* to something that needs no reactivity.

* It should be highly unlikely there are any naming collisions.

adds a non-reactive prop to a vm on the fly in order to avoid object observation and its performance costs.

* something to 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 });
  return this;
},

/**
  * Convenience method for calling vm.$emit on vm.$root.
  * @param {string} event
  * @param {*} args
  * @chainable
  */
emitOnRoot: function emitOnRoot(event) {
  var _$root;
  for (var _len = arguments.length, args = Array(_len > 1 ? _len - 1 : 0), _key = 1; _key < _len; _key++) {
    args[_key - 1] = arguments[_key];
  }
  (_$root = this.$root).$emit.apply(_$root, [event].concat(_toConsumableArray(args)));
  return this;
},

beforeDestroy: function beforeDestroy() {
  if (this[BVRL] && isArray(this[BVRL])) {
    while (this[BVRL].length > 0) {
      shift to process in order
      var _BVRL$shift = this[BVRL].shift(),
          event = _BVRL$shift.event,
          callback = _BVRL$shift.callback;
      this.$root.$off(event, callback);
    }
  }
};

import { assign } from './object';
import { isElement } from '../utils/dom';

/**
 * Observe a DOM element changes, falls back to
 * eventListener mode
 * @param {Element} el The DOM element to observe
 * @param {Function} callback to be called on change
 * @param {object} [opts={childList: true, subtree: true}] observe options
 * @see http://stackoverflow.com/questions/3219758
 */
export default function observeDOM(el, callback, opts) {
  var MutationObserver = window.MutationObserver || window.WebKitMutationObserver || window.MozMutationObserver;
  var eventListenerSupported = window.addEventListener;

  // Handle case
  // where we might be passed a vue instance
  el = el ? el.$el || el : null;
  /* istanbul ignore next: 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
    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 muttion record
        var mutation = mutations[i];
        // Mutation Type
        var type = mutation.type;
        // DOM Node (could be any DOM Node type - HTMLElement, Text, comment, etc)
        var target = mutation.target;
        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;
        } else if (eventListenerSupported) {
          el.addEventListener('DOMNodeInserted', callback, false);
          el.addEventListener('DOMNodeRemoved', callback, false);
        }
      }
    });
    // We return a reference to the observer so that
    // observ.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);
  }

  // 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
    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 muttion record
        var mutation = mutations[i];
        // Mutation Type
        var type = mutation.type;
        // DOM Node (could be any DOM Node type - HTMLElement, Text, comment, etc)
        var target = mutation.target;
        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;
        } else if (eventListenerSupported) {
          el.addEventListener('DOMNodeInserted', callback, false);
          el.addEventListener('DOMNodeRemoved', callback, false);
        }
      }
    });
    // We return a reference to the observer so that
    // observ.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
  // observ.disconnect() can be called if necessary
  // To reduce overhead when the root element is hidden
  return obs;
},
*/
role: 'document',

'aria-labelledby': this.hideHeader ? null : this.safeId('__BV_modal_header_'),

'aria-describedby': this.safeId('__BV_modal_body_')

] on: [

focusout: this.onFocusout,

on: [

click: function click(evt) {

'evt.stopPropagation';

} // https://github.com/bootstrap-vue/bootstrap-vue/issues/1528

.this.$root.$emit('bv::dropdown::shown');

} // Modal Dialog wrapper

var modalDialog = h('div', [

class: this.modalClasses,

] directives: [

'\n
name: 'show',

rawName: 'v-show',

value: this.is_visible,

expression: 'is_visible\n
']

atts: [

id: this.safeId(),

role: 'dialog',

'aria-hidden': this.is_visible ? null : true

] on: [

click: this.onClickOut,

keydown: this.onEsc

] modalDialog);

} // Wrap modal in transition

modal = h('transition', [

props: {

enterClass: '',

toClass: '',

enterActiveClass: '',

leaveClass: '',

leaveActiveClass: '',

] on: [

before-enter: this.onBeforeEnter,

enter: this.onEnter,

after-enter: this.onAfterEnter,

before-leave: this.onBeforeLeave,

leave: this.onLeave,

'after-leave': this.onAfterLeave

] modal, modal); // Modal Backdrop

var backdrop = h(false);

if (this.hideBackdrop & & (this.is_visible || this.is_transitioning)) {

backdrop = h('div', [

class: this.backdropClasses,

atts: {

id: this.safeId('__BV_modal_backdrop_')

] backdrop = h('div', {

class: this.backdropClasses,

atts: {

id: this.safeId(),

role: 'dialog',

'aria-hidden': this.is_visible ? null : true

] on: [

click: this.onClickOut,

keydown: this.onEsc

] modalDialog);

} // Wrap in DIV to maintain th.$el reference for hide/show method access

return h(div, [

,data: function(data) {

return data.return \n
\n
is_transitioning: false,

is_show: false,

is_block: false,

scrollbarWidth: 0,

isBodyOverflowing: false,

return_focus: this.returnFocus || null

];

] modal);

} // Assemble modal and backdrop

var outer = h('div', { attrs: { id: this.safeId('__BV_modal_outer_') } }, [modal,

backdrop]);

// Wrap modal in transition

modal = h('transition', {

props: {

enterClass: '',

enterToClass: '',

enterActiveClass: '',

leaveClass: '',

leaveActiveClass: '',

leaveToClass: ''

],

on: {

'before-enter': this.onBeforeEnter,

enter: this.onEnter,

'after-enter': this.onAfterEnter,

'before-leave': this.onBeforeLeave,

leave: this.onLeave,

'after-leave': this.onAfterLeave

];

// Modal Dialog wrapper

var modalDialog = h('div', {

class: this.modalClasses,

] directives: [{

name: 'show',

rawName: 'v-show',

value: this.is_visible,

expression: 'is_visible\n
']

atts: {

id: this.safeId(),

role: 'dialog',

'aria-hidden': this.is_visible ? null : true

] on: [

click: this.onClickOut,

keydown: this.onEsc

] modalDialog);

} // Wrap modal in transition

modal = h('transition', {

props: {

enterClass: '',

toClass: '',

enterActiveClass: '',

leaveClass: '',

leaveActiveClass: '',

] on: [

before-enter: this.onBeforeEnter,

enter: this.onEnter,

after-enter: this.onAfterEnter,

before-leave: this.onBeforeLeave,

leave: this.onLeave,

'after-leave': this.onAfterLeave

];

// Modal Backdrop

var backdrop = h(false);

if (this.hideBackdrop & & (this.is_visible || this.is_transitioning)) {

backdrop = h('div', {

class: this.backdropClasses,

atts: {

id: this.safeId('__BV_modal_backdrop_')

] backdrop = h('div', {

class: this.backdropClasses,

atts: {

id: this.safeId(),

role: 'dialog',

'aria-hidden': this.is_visible ? null : true

] on: [

click: this.onClickOut,

keydown: this.onEsc

] modalDialog);

} // Wrap in DIV to maintain th.$el reference for hide/show method access

return h(div, [

,data: function(data) {

return data.return \n
\n
is_transitioning: false,

is_show: false,

is_block: false,

scrollbarWidth: 0,

isBodyOverflowing: false,

return_focus: this.returnFocus || null

];

] modal);

} // Assemble modal and backdrop

var outer = h('div', { attrs: { id: this.safeId('__BV_modal_outer_') } }, [modal,

backdrop]);

// Wrap modal in transition

modal = h('transition', {

props: {

enterClass: '',

enterToClass: '',

enterActiveClass: '',

leaveClass: '',

leaveActiveClass: '',

leaveToClass: ''

],

on: {

'before-enter': this.onBeforeEnter,

enter: this.onEnter,

'after-enter': this.onAfterEnter,

'before-leave': this.onBeforeLeave,

leave: this.onLeave,

'after-leave': this.onAfterLeave

];

// Modal Dialog wrapper

var modalDialog = h('div', {

class: this.modalClasses,

] directives: [{

name: 'show',

rawName: 'v-show',

value: this.is_visible,

expression: 'is_visible\n
']

atts: {

id: this.safeId(),

role: 'dialog',

'aria-hidden': this.is_visible ? null : true

] on: [

click: this.onClickOut,

keydown: this.onEsc

] modalDialog);

} // Wrap modal in transition

modal = h('transition', {

props: {

enterClass: '',

toClass: '',

enterActiveClass: '',

leaveClass: '',

leaveActiveClass: '',

] on: [

before-enter: this.onBeforeEnter,

enter: this.onEnter,

after-enter: this.onAfterEnter,

before-leave: this.onBeforeLeave,

leave: this.onLeave,

'after-leave': this.onAfterLeave

];

// Modal Dialog wrapper

var modalDialog = h('div', {

class: this.modalClasses,

] directives: [{

name: 'show',

rawName: 'v-show',

value: this.is_visible,

expression: 'is_visible\n
']

atts: {

id: this.safeId(),

role: 'dialog',

'aria-hidden': this.is_visible ? null : true

] on: [

click: this.onClickOut,

keydown: this.onEsc

] modalDialog);

} // Wrap modal in transition

modal = h('transition', {

props: {

enterClass: '',

toClass: '',

enterActiveClass: '',

leaveClass: '',

leaveActiveClass: '',

] on: [

before-enter: this.onBeforeEnter,

enter: this.onEnter,

after-enter: this.onAfterEnter,

before-leave: this.onBeforeLeave,

leave: this.onLeave,

'after-leave': this.onAfterLeave

];

// Modal Dialog wrapper

var modalDialog = h('div', {

class: this.modalClasses,

] directives: [{

name: 'show',

rawName: 'v-show',

value: this.is_visible,

expression: 'is_visible\n
']

atts: {

id: this.safeId(),

role: 'dialog',

'aria-hidden': this.is_visible ? null : true

] on: [

click: this.onClickOut,

keydown: this.onEsc

] modalDialog);

} // Wrap modal in transition

modal = h('transition', {

props: {

enterClass: '',

toClass: '',

enterActiveClass: '',

leaveClass: '',

leaveActiveClass: '',

] on: [

before-enter: this.onBeforeEnter,

enter: this.onEnter,

after-enter: this.onAfterEnter,

before-leave: this.onBeforeLeave,

leave: this.onLeave,

'after-leave': this.onAfterLeave

];

// Modal Dialog wrapper

var modalDialog = h('div', {

class: this.modalClasses,

] directives: [{

name: 'show',

rawName: 'v-show',

value: this.is_visible,

expression: 'is_visible\n
']

atts: {

id: this.safeId(),

role: 'dialog',

'aria-hidden': this.is_visible ? null : true

] on: [

click: this.onClickOut,

keydown: this.onEsc

] modalDialog);

} // Wrap modal in transition

modal = h('transition', {

props: {

enterClass: '',

toClass: '',

enterActiveClass: '',

leaveClass: '',

leaveActiveClass: '',

] on: [

before-enter: this.onBeforeEnter,

enter: this.onEnter,

after-enter: this.onAfterEnter,

before-leave: this.onBeforeLeave,

leave: this.onLeave,

'after-leave': this.onAfterLeave

];
UI Event Handlers

    onClickOut: function onClickOut(evt) {
      // If backdrop clicked, hide modal
      if (var type = bvEvt.type;
          this.$emit(type, bvEvt);
          this.$root.$emit('bv::modal::' + type, bvEvt);
        )

        // this.$emit('hidden', {cancelable: true,
        // vueTarget: this,
        // target: this.$refs.modal,
        // relatedTarget: null
        });
      }
    },

    // Event emitter
    emitEvent: function emitEvent(bvEvt) {

      // Remove the 'show' class
      this.is_show = false;
      this.resetAdjustments();
      this.resetScrollbar();
      this.is_transitioning = false;

      onAfterEnter: function onAfterEnter() {
        var _this3 = this;

        this.is_block = false;
        _this3.returnFocusTo();
        var hiddenEvt = new BvEvent('hidden', {
          cancelable: false,
          vueTarget: _this3.$refs.modal,
          relatedTarget: null
        });
      }
    },

    // Transition Handlers
    onBeforeEnter: function onBeforeEnter() {
      var _this2 = this;

      this.is_transitioning = true;
      this.$emit('ok', hideEvt);
      // Hide if not canceled
      if (hideEvt.defaultPrevented || !this.is_visible) {
        this.$emit('ok', hideEvt);
      } else if (trigger === 'cancel') {
        this.$emit('cancel', hideEvt);
      }
    },

    cancel: function cancel() {
      // Backwards compatibility
      warn('b-modal: evt.cancel() is deprecated. Please use evt.preventDefault().
        
        if (trigger === 'ok') {
          this.$emit('ok', hideEvt);
          // Hide if not canceled
          if (hideEvt.defaultPrevented || !this.is_visible) {
            this.$emit('ok', hideEvt);
          } else if (trigger === 'cancel') {
            this.$emit('cancel', hideEvt);
          }
        }
      });
      if (trigger === 'ok') {
        this.$emit('ok', hideEvt);
      } else if (trigger === 'cancel') {
        this.$emit('cancel', hideEvt);
      }
    },

    doShow: function doShow() {
      var _this2 = this;

      this._observer.disconnect();
      this._observer = null;
      this.is_visible = false;
      this.$emit('change', true);
      this.$nextTick(function () {
        this.doShow();
      }) || this.is_visible) {
        // Don't show if canceled
        return;
      }
      // stop observing for content changes
      if (this._observer) {
        this._observer.disconnect();
        this._observer = null;
        this.is_visible = false;
        this.$emit('change', false);
      }
    },

    hide: function hide(trigger) {
      if (!this.is_visible) {
        return;
      }
      var hideEvt = new BvEvent('hide', {
        cancelable: true,
        vueTarget: this,
        target: this.$refs.modal,
        relatedTarget: null
      });
      this.emitEvent(hideEvt);
      // Hide if not canceled
      if (hideEvt.defaultPrevented || !this.is_visible) {
        this.$emit('hidden', {cancelable: true,
        vueTarget: this,
        target: this.$refs.modal,
        relatedTarget: null
      });
      this.emitEvent(hideEvt);
      // Hide if not canceled
      if (hideEvt.defaultPrevented || !this.is_visible) {
        this.$emit('hidden', {cancelable: true,
        vueTarget: this,
        target: this.$refs.modal,
        relatedTarget: null
      });
      }
      // If another modal is already open, wait for it to close
      this.$root.$once('bv::modal::hidden', this.doShow);
    },

    onBeforeLeave: function onBeforeLeave() {
      var _this1 = this;

      this.is_transitioning = true;
      this.checkScrollbar();
      this.setScrollbar();
      this.adjustDialog();
      addClass(document.body, 'modal-open');
    },

    onEnter: function onEnter() {
      this.is_block = true;
    },

    onAfterEnter: function onAfterEnter() {
      var _this1 = this;

      this.is_block = false;
      this.checkScrollbar();
      this.setScrollbar();
      this.adjustDialog();
      addClass(document.body, 'modal-open');
    },

    onLeave: function onLeave() {
      this.is_block = false;
      this.checkScrollbar();
      this.setScrollbar();
      this.adjustDialog();
      removeClass(document.body, 'modal-open');
    },

    onAfterLeave: function onAfterLeave() {
      var _this1 = this;

      this.is_block = false;
      this.checkScrollbar();
      this.setScrollbar();
      this.adjustDialog();
      removeClass(document.body, 'modal-open');
    },

    onBeforeLeave: function onBeforeLeave() {
      var _this1 = this;

      this.is_transitioning = true;
      this.setResizeEvent(true);
      this.$emit('change', true);
(this.is_visible && !this.noCloseOnBackdrop) { 
  this.hide('backdrop'); 
} 

onEsc: function onEsc(evt) { 
  if (evt.keyCode === KeyCodes.ESC && this.is_visible && !this.noCloseOnEsc) { 
    this.hide('esc'); 
  } 

  if (!this.noCloseOnBackdrop) { 
    this.hide('backdrop'); 
  } 
}

onFocusout: function onFocusout(evt) { 
  // If focus leaves modal, bring it back
  var content = this.$refs.content;
  if (!this.noEnforceFocus && this.is_visible && content) { 
    content.focus();
  }
}

setResizeEvent: function setResizeEvent(on) {
  var _this5 = this;

  ;
  ['resize', 'orientationchange'].forEach(function (evtName) {
    if (on) {
      eventOn(window, evtName, _this5.adjustDialog);
    } else {
      eventOff(window, evtName, _this5.adjustDialog);
    }
  });
}

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';
  }
}

adjustScrollbar: function adjustScrollbar() {
  if (!this.isBodyOverflowing && &isModalOverflowing) {
    modal.style.paddingLeft = this.scrollbarWidth + 'px';
  } 

  if (this.isBodyOverflowing && & !isModalOverflowing) {
    modal.style.paddingRight = this.scrollbarWidth + 'px';
  }

  setScrollbar: function setScrollbar() {
    if (this.isBodyOverflowing) {
      // Note: DOMNode.style.paddingRight returns the actual value or '' if not set
      //   while $(DOMNode).css('padding-right') returns the calculated value or 0 if not set
      var computedStyle = window.getComputedStyle;
      var body = document.body;
      var scrollbarWidth = this.scrollbarWidth;

      if (isVisible(body)) {
        var el = this.$refs.modal;
        var isModalOverflowing = el.scrollHeight > body.scrollHeight;
        if (isModalOverflowing) {
          el.style.paddingRight = scrollbarWidth + 'px';
        }
      }
    }
  }
}

checkScrollbar: function checkScrollbar() {
  var rect = getBCR(document.body);

  if (this.isBodyOverflowing && &isModalOverflowing) {
    modal.style.paddingLeft = this.scrollbarWidth + 'px';
  } 

  if (this.isBodyOverflowing && & !isModalOverflowing) {
    modal.style.paddingRight = this.scrollbarWidth + 'px';
  }

  // Adjust fixed content padding
  selectAll(Selector.FIXED_CONTENT).forEach(function (el) {
    var actualPadding = el.style.paddingRight;
    var calculatedPadding = computedStyle(el, '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, 'margin-right', actualMargin);
    el.style.marginRight = parseFloat(calculatedMargin) + scrollbarWidth + 'px';
  });

  // Adjust nav-bar-toggler margin
  selectAll(Selector.NAVBAR_TOGGLER).forEach(function (el) {
    var actualMargin = el.style.marginRight;
    var calculatedMargin = computedStyle(el, 'margin-right', actualMargin);
    el.style.marginRight = parseFloat(calculatedMargin) + scrollbarWidth + 'px';
  });

  // Adjust body padding
  var calculatedPadding = body.style.paddingRight;
  var scrollbarWidth = this.scrollbarWidth;
  var var
calculatedPadding = computedStyle(body).paddingRight;

setAttr(body, 'data-padding-right', actualPadding);

body.style.paddingRight = parseFloat(calculatedPadding) + scrollbarWidth + 'px';

resetScrollbar: function resetScrollbar() {
  // Restore fixed content padding

  selectAll(Selector.FIXED_CONTENT).forEach(function (el) {
    if (hasAttr(el, 'data-padding-right')) {
      el.style.paddingRight = getAttr(el, 'data-padding-right') || '';
      removeAttr(el, 'data-padding-right');
    }
  });

  // Restore sticky content and navbar-toggler margin

  selectAll(Selector.STICKY_CONTENT + ', ' + Selector.NAVBAR_TOGGLER).forEach(function (el) {
    if (hasAttr(el, 'data-margin-right')) {
      el.style.marginRight = getAttr(el, 'data-margin-right') || '';
      removeAttr(el, 'data-margin-right');
    }
  });

  // Restore body padding
  var body = document.body;

  if (hasAttr(body, 'data-padding-right')) {
    body.style.paddingRight = getAttr(body, 'data-padding-right') || '';
    removeAttr(body, 'data-padding-right');
  }

  // Restore non-reactive padding
  this._observer.disconnect();
  this._observer = null;

  // Re-adjust body/navbar/fixed padding/margins (if needed)

  removeClass(document.body, 'modal-open');
  this.resetAdjustments();
  this.resetScrollbar();

  // Ensure everything is back to normal

  if (this.visible === true) {
    this.show();
  }

  // Ensure body is back to normal

  if (this._observer) {
    this._observer.disconnect();
    this._observer = null;
  }

  // Initially show modal

  if (this.visible === true) {
    this.show();
  }

  // Listen for events from others to either open or close ourselves

  this.listenOnRoot('bv::show::modal', this.showHandler);
  this.listenOnRoot('bv::hide::modal', this.hideHandler);

  // Listen for bv:modal::show events, and close ourselves if the opening modal not us

  this.listenOnRoot('bv::modal::show', this.showHandler);
  this.listenOnRoot('bv::modal::show', this.showHandler);

  // Initially show modal

  if (this.visible === true) {
    this.show();
  }

  // Listen for events from others to either open or close ourselves

  this.listenOnRoot('bv::show::modal', this.showHandler);
  this.listenOnRoot('bv::hide::modal', this.hideHandler);

  // Listen for bv:modal::show events, and close ourselves if the opening modal not us

  this.listenOnRoot('bv::modal::show', this.showHandler);
  this.listenOnRoot('bv::modal::show', this.showHandler);

  // Initially show modal

  if (this.visible === true) {
    this.show();
  }

  // Listen for events from others to either open or close ourselves

  this.listenOnRoot('bv::show::modal', this.showHandler);
  this.listenOnRoot('bv::hide::modal', this.hideHandler);

  // Listen for bv:modal::show events, and close ourselves if the opening modal not us

  this.listenOnRoot('bv::modal::show', this.showHandler);
  this.listenOnRoot('bv::modal::show', this.showHandler);

  // Initially show modal

  if (this.visible === true) {
    this.show();
  }

  // Listen for events from others to either open or close ourselves

  this.listenOnRoot('bv::show::modal', this.showHandler);
  this.listenOnRoot('bv::hide::modal', this.hideHandler);

  // Listen for bv:modal::show events, and close ourselves if the opening modal not us

  this.listenOnRoot('bv::modal::show', this.showHandler);
  this.listenOnRoot('bv::modal::show', this.showHandler);

  // Initially show modal

  if (this.visible === true) {
    this.show();
  }

  // Listen for events from others to either open or close ourselves

  this.listenOnRoot('bv::show::modal', this.showHandler);
  this.listenOnRoot('bv::hide::modal', this.hideHandler);

  // Listen for bv:modal::show events, and close ourselves if the opening modal not us

  this.listenOnRoot('bv::modal::show', this.showHandler);
  this.listenOnRoot('bv::modal::show', this.showHandler);

  // Initially show modal

  if (this.visible === true) {
    this.show();
  }

  // Listen for events from others to either open or close ourselves

  this.listenOnRoot('bv::show::modal', this.showHandler);
  this.listenOnRoot('bv::hide::modal', this.hideHandler);

  // Listen for bv:modal::show events, and close ourselves if the opening modal not us

  this.listenOnRoot('bv::modal::show', this.showHandler);
  this.listenOnRoot('bv::modal::show', this.showHandler);
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: container === null ? document.body : container,
      once: false
    })
    clipboard.on('success', error => {
      clipboard.destroy()
      resolve(error)
    })
    clipboard.on('error', error => {
      clipboard.destroy()
      reject(error)
    })
    fakeElement.click()
  })
}

export default {
  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
    }
  },
  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.$el.querySelector('.embed-form__code').select()
    },
    embedCode (withPym = this.responsiveCheck) {
      const width = isNaN(this.width) ? this.width : Math.max(this.width, this.minWidth)
      const height = Math.max(this.height, this.minHeight)
      return withPym ? this.pymCodeFor(this.currentUrl) : this.iframeCodeFor(this.currentUrl, width, height)
    },
    pymCodeFor (url) {
      return IframeResizer.template(url)
    },
    copyEmbedCode () {
      return copyText(this.embedCode(), this.$el).then(() => {
        this.selectCode()
      })
    },
    selectCode () {
      this.$el.querySelector('.embed-form__code').select()
    },
    embedCode (withPym = this.responsiveCheck) {
      const width = isNaN(this.width) ? this.width : Math.max(this.width, this.minWidth)
      const height = Math.max(this.height, this.minHeight)
      return withPym ? this.pymCodeFor(this.currentUrl) : this.iframeCodeFor(this.currentUrl, width, height)
    },
    computed: {
      currentUrl () {
        return this.url || window.location.href
      },
      pymCodeFor (url) {
        return IframeResizer.template(url)
      },
      copyEmbedCode () {
        return copyText(this.embedCode(), this.$el).then(() => {
          this.selectCode()
        })
      },
      selectCode () {
        this.$el.querySelector('.embed-form__code').select()
      },
      embedCode (withPym = this.responsiveCheck) {
        const width = Math.max(this.width, this.minWidth)
        const height = Math.max(this.height, this.minHeight)
        return withPym ? this.pymCodeFor(this.currentUrl) : this.iframeCodeFor(this.currentUrl, width, height)
      }
    }
}
loader/lib/index.js??vue-loader-options!./EmbedForm.vue?vue&type=script&lang=js&
export default module;
export * from './node_modules/cache-loader/dist/cjs.js??ref--12-0!./node_modules/thread-loader/dist/cjs.js!./node_modules/babel-loader/lib/index.js!.../node_modules/cache-loader/dist/cjs.js??ref--0-0!./node_modules/vue-loaders/vue-loader-options!./EmbedForm.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,
  './node_modules/cache-loader/dist/cjs.js??ref--0-0!./node_modules/vue-loader/lib/runtime/installStyleDescriptor.js!'
)

component.options.__file = './EmbedForm.vue'
export default component.exports

/* template */
<template>
  <div class="sharing-options" :style="style">
    <social-sharing v-bind="valuesFor('twitter')" inline-template>
      <network network="twitter" class="sharing-options__link">
        <fa :icon="['fab', 'twitter']" />
      </network>
    </social-sharing>
    <social-sharing v-bind="valuesFor('facebook')" inline-template>
      <network network="facebook" class="sharing-options__link">
        <fa :icon="['fab', 'facebook']" />
      </network>
    </social-sharing>
    <social-sharing v-bind="valuesFor('linkedin')" inline-template>
      <network network="linkedin" class="sharing-options__link">
        <fa :icon="['fab', 'linkedin']" />
      </network>
    </social-sharing>
    <social-sharing v-bind="valuesFor('email')" inline-template>
      <network network="email" class="sharing-options__link">
        <fa icon="envelope" />
      </network>
    </social-sharing>
    <div class="sharing-options__link" v-show="!noEmbed">
      <a @click="showEmbedForm">
        <fa icon="code" />
      </a>
    </div>
  </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)
    },
    props: {
      /**
       * URL to be shared.
       */
      url: {
        type: String,
        default: () => config.get('sharing-options.url', null)
      },
      /**
       * 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
        }
      },
      /**
       * The list of all the keys to automate inject in each social button.
       */
      valuesKeys: {
        type: Array,
        default: () => ['url', 'title', 'description', 'media', 'twitter-user']
      },
      /**
       * Disable
```javascript
export default mod;
export * from "./SharingOptions.vue?vue&type=script&lang=js&"

import { render, staticRenderFns } from "./SharingOptions.vue?vue&type=template&id=4e36ddf6&"
import script from "./SharingOptions.vue?vue&type=script&lang=js&"
export * from "./SharingOptions.vue?vue&type=script&lang=js&"
import style0 from "./SharingOptions.vue?vue&type=style&index=0&lang=scss&"

/* normalize component */
import normalizer from "!../../node_modules/vue-loader/lib/runtime/componentNormalizer.js"
var component = normalizer(
  script,
  render,
  staticRenderFns,
  false,
  null,
  null,
  null
)

component.options.__file = "SharingOptions.vue"
export default component.exports
```
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 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
    },
    /**
     * Target of the ICIJ logo and title links.
     */
    homeUrl: {
      type: String,
      default: () => config.get('app.home')
    },
    /**
     * Sharing option values to bind to the sharing-options
     * component on the bottom-right corner.
     */
    sharingOptionsValues: {
      type: Object,
      default: () => ({})
    }
  },
  data () {
    return {
      showShareOptions: false
    }
  },
  mounted () {
    IframeResizer.create();
  }
}

<!-- styles -->
/* normalize */

/* component */

var render = function () {var _vm=this;var _h=_vm.$createElement;var _c=_vm._self._c||_h;return _c('div',{staticClass:"follow-us"},[
  _c('button',{staticClass:"btn btn-link text-light follow-us__close",on:{"click":_vm.closeSignupPopover}},
    _c('fa',{attrs:{"icon":"times"}})
  ],1),
  _c('sign-up-form',{staticClass:"p-3"}),
  _c('div',{staticClass:"px-3 pb-1 text-uppercase text-muted font-weight-bold"},
  _c('h5',null,
    _vm._v("\n        "+_vm._s(_vm.$t('follow-us-popover.heading'))+"\n      ")
  ),
  _c('div',{staticClass:"p-3 bg-light text-light align-items-center z-index: 1000000000; margin-bottom: 200px; bottom: 0; left: 0; width: 100%; height: 100%; border-radius: 50%; opacity: 0;"},null,
    _c('sign-up-form',{staticClass:"p-3 bg-light text-light align-items-center z-index: 1000000000; margin-bottom: 200px; bottom: 0; left: 0; width: 100%; height: 100%; border-radius: 50%; opacity: 0;"},null,
      _c('h5',null,
        _vm._v("\n            "+_vm._s(_vm.$t('follow-us-popover.heading'))+"\n          ")
      ),
      _c('div',{staticClass:"p-3 bg-light text-light align-items-center z-index: 1000000000; margin-bottom: 200px; bottom: 0; left: 0; width: 100%; height: 100%; border-radius: 50%; opacity: 0;"},null,
        _c('sign-up-form',{staticClass:"p-3 bg-light text-light align-items-center z-index: 1000000000; margin-bottom: 200px; bottom: 0; left: 0; width: 100%; height: 100%; border-radius: 50%; opacity: 0;"},null,
          _c('h5',null,
            _vm._v("\n                "+_vm._s(_vm.$t('follow-us-popover.heading'))+"\n              ")
          ),
      )
    )
  )
});
light container-fluid text-center></div>,[c('div',{staticClass:"row"}],c('div',{staticClass:"col"}],c('a',{staticClass:"d-inline-block text-primary border border-primary rounded-circle bg-white follow-us__social-btn",attrs:{"href":"https://www.linkedin.com/company/1732242\="/\"title="/\"Linkedin\"}],c('fa',{attrs:{"icon":['fab', 'linkedin']},{"size":"lg"}}),c('span',{staticClass:"sr-only"},c(vm._v("Linkedin")))],1))],c('div',{staticClass:"col"}],c('a',{staticClass:"d-inline-block text-primary border border-primary rounded-circle bg-white follow-us__social-btn",attrs:{"href":"https://www.facebook.com/ICIJ.org\="/\"title="/\"Facebook\"}],c('fa',{attrs:{"icon":['fab', 'facebook']},{"size":"lg"}}),c('span',{staticClass:"sr-only"},c(vm._v("Facebook")))],1))],c('div',{staticClass:"col"}],c('a',{staticClass:"d-inline-block text-primary border border-primary rounded-circle bg-white follow-us__social-btn",attrs:{"href":"https://twitter.com/icijorg\="/\"target="/\"_blank\"},title="/\"Twitter\"}],c('fa',{attrs:{"icon":['fab', 'twitter']},{"size":"lg"}}),c('span',{staticClass:"sr-only"},c(vm._v("Twitter")))],1))])

var staticRenderFns = []

export { render, staticRenderFns }

var render = function () {var _vm=this;var _h=_vm.$createElement;var _c=_vm._self._c||_h;return _c('form',{staticClass:"sign-up-form",class:{ 'sign-up-form--horizontal': _vm.horizontal }},[
  !_vm.noLabel)?_c('label',{staticClass:"text-uppercase text-muted font-weight-bold",attrs:{"for":"input-email"}},c(vm._v("\n      "+_vm._s(_vm.$t("sign-up-form.label"))+"\n"))):_vm._e(),
  _c('div',{staticClass:"sign-up-form__fieldset__group",class:{ 'input-group': _vm.horizontal }},[
    _c('input',{directives:[{name:"model",rawName:"v-model",value:(_vm.email),expression:"email"}],staticClass:"form-control",attrs:{"name":"EMAIL","type":"text","placeholder":_vm.$t('sign-up-form.placeholder'),"id":"input-email"},domProps:{"value":(_vm.email)},on:{"input":function($event){if($event.target.composing){ return; }_vm.email=$event.target.value}}}),
    _c('div',{staticClass:"sign-up-form__fieldset__group__addon",class:{ 'input-group-append': _vm.horizontal }},[
      _c('button',{staticClass:"btn btn-primary text-uppercase font-weight-bold",attrs:{"type":"submit"}},c(vm._v("\n          "+_vm._s(_vm.$t("sign-up-form.submit"))+"\n"))]
    )
  ])
],1)

var staticRenderFns = []

export { render, staticRenderFns }

<template>
  <form @submit.prevent="subscribe($event)" class="sign-up-form" :class="{ 'sign-up-form--horizontal': horizontal }">
    <fieldset :disabled="frozen">
      <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" />
        <div class="sign-up-form__fieldset__group__addon" :class="{ 'input-group-append': horizontal }">
          <button class="btn btn-primary text-uppercase font-weight-bold" type="submit">
            {{ $t("sign-up-form.submit") }}
          </button>
        </div>
      </div>
    </fieldset>
    <input type="hidden" name="group[9][1]" value="1" />
    <input type="hidden" name="SIGNUP" :value="tracker" />
    <p v-if="errorMessage" class="alert alert-danger p-2 m-0 mt-2" v-html="errorMessage"></p>
    <p v-if="successMessage" class="alert alert-success p-2 m-0 mt-2" v-html="successMessage"></p>
  </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: 
    /**
     * alert-alternative success p-2 m-0 mt-2
     * domProps:{'value':_vm.tracker} }
    ,_vm._e(),(_vm.successMessage)?_c('p',{staticClass:"alert alert-success p-2 m-0 mt-2",domProps:{"innerHTML":_vm._s(_vm.successMessage)}}):_vm._e()
  }
</script>
`{`
`  type: String,
  default: () => config.get('signup-form.action')
},

/**
* Disable the main label.
*/
  noLabel: {
    type: Boolean
  },

/**
* Horizontal layout of the form.
*/
  horizontal: {
    type: Boolean
  },

/**
* Mailchimp tracker tag to identify the origin.
*/
  tracker: {
    type: String,
    default: () => config.get('signup-form.tracker')
  }
},

data () {
  return {
    email: '',
    frozen: false,
    response: {},
    errorMessage: null,
    successMessage: null
  };
},

computed: {
  actionJsonp () {
    return this.action.replace('/post?', '/post-json?').concat('&c=?')
  }
},

methods: {
  subscribe () {
    this.resetMessages()
    this.freeze()
    // Send the data, catch the result no matter what and
    unfreeze the form
    this.send().always(this.done).always(this.unfreeze)
  },
  send () {
    return $.ajax({
      type: 'POST',
      url: this.actionJsonp,
      data: $(this.$el).serialize(),
      dataType: 'jsonp'
    })
  },
  done (res) {
    if (res.result === 'success') {
      this.email = ''
      this.successMessage = res.msg;
    } else {
      // Mailchimp formats errors in list
      this.errorMessage = last((res.msg || 'Something's wrong\\').split(0-'-'))
    }
  },
  resetMessages () {
    this.errorMessage = null
    this.successMessage = null
  },
  freeze () {
    this.frozen = true
  },
  unfreeze () {
    this.frozen = false
  }
}
`
this.onEsc(evt);
      } else if (key === KeyCodes.TAB) {
        // Close on tab out
        this.onTab(evt);
      }
      if (key === KeyCodes.ESC) {
        // Close on ESC
      }
    }

    /* istanbul ignore next: not easy to test */
    onKeydown: function onKeydown(evt) {
      // Called from button
      if (this.disabled) {
        this.visible = false;
        return;
      }
      this.$emit('click', evt);
    },

    toggle: function toggle() {
      // Called by a button that toggles the menu
      if (this.disabled) {
        return;
      }
      this.$emit('toggle', evt);
      if (evt.defaultPrevented) {
        // Exit if already toggled
        return;
      }
      evt.preventDefault();
      evt.stopPropagation();
      // Toggle visibility
      this.visible = !this.visible;
    },
    show: function show() {
      // Public method to show dropdown
      if (this.disabled) {
        return;
      }
      this.emitOnRoot('bv::dropdown::shown', this);
      this.$emit('shown');
      // Focus on the first item on show
      this.$nextTick(this.focusFirstItem);
    },
    hide: function hide() {
      // Public method to hide dropdown
      if (this.disabled) {
        return;
      }
      this.$emit('hide', this);
      this.emitOnRoot('bv::dropdown::hidden', this);
      this.$emit('hidden');
      // Ensure other menus are closed
      this.emitOnRoot('bv::dropdown::shown', this);
      // Are we in a navbar?
      if (this.inNavbar !== null && !this.isNav)
        this.inNavbar = Boolean(closest('.navbar', this.$el));
      // Disable totally if in a navbar
      this.popper.$js.forDropdown.inNavbar /* istanbul ignore next: can't test popper in JSDOM */
      if (!this.inNavbar) {
        this.warn('b-dropdown: Popper.js is not found. Falling back to CSS positioning.');
      }
    },
    /** istanbul ignore next: can't test popper in JSDOM */
    setPopperConfig: function setPopperConfig() {
      var placement = this.popperConfig
        ? this.popperConfig.placement
        : this.popperConfig || this.getPopperConfig().placement;
      this.$refs.popper.$el && this.$refs.popper.$el[0].dispatchEvent(new Event('vtouchend', {bubbles: true}));
      if (placement) {
        this.popper.$el && this.popper.$el[0].dispatchEvent(new Event('vtouchend', {bubbles: true}));
      }
    },
    /* istanbul ignore next: can't test popper in JSDOM */
    getPopperConfig /* istanbul ignore next: can't test popper in JSDOM */: function getPopperConfig() {
      var placement = this.popperConfig
        ? this.popperConfig.placement
        : this.popperConfig || this.getPopperConfig().placement;
      if (placement) {
        this.$refs.popper.$el && this.$refs.popper.$el[0].dispatchEvent(new Event('vtouchend', {bubbles: true}));
      }
    },
  },
  computed: {
    toggler: function toggler() {
      return this.$refs.toggle.$el ||
        this.$refs.toggle.$el.$el ||
        this.$refs.toggle.$el.$el.$el ||
        null;
    },
  },
  mounted: function mounted() {
    var self = this;
    // Use document to check for touchstart
    document.addEventListener('touchstart', function touchStart(event) {
      // Global event handler for touchstart
      // The only thing we do is trigger the touchstart event
      // on the document body.
      // This allows us to catch touchstart events from
      // any child elements that may not have touchstart events.
      // This is necessary because the touchstart event is not
      // propagateable.
      // We only trigger this if the element is not disabled.
      if (self.$refs.toggle.$el.$el.$el.$el && self.$refs.toggle.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$el.$$
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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 AttachmentMap = {
  AUTO: 'auto',
  TOP: 'top',
  RIGHT: 'right',
  BOTTOM: 'bottom',
  LEFT: 'left',
  TOPLEFT: 'top',
  TOPRIGHT: 'top',
  RIGHTBOTTOM: 'right',
  BOTTOMLEFT: 'bottom',
  BOTTOMRIGHT: 'bottom',
  LEFTTOP: 'left',
  LEFTBOTTOM: 'left',
};

var OffsetMap = {
  AUTO: 0,
  TOPLEFT: -1,
  TOP: 0,
  TOPRIGHT: +1,
  RIGHTTOP: -1,
  RIGHT: 0,
  RIGHTBOTTOM: +1,
  BOTTOMLEFT: -1,
  BOTTOM: 0,
  BOTTOMRIGHT: +1,
};

var HoverState = {
  SHOW: 'show',
  OUT: 'out'
};

var ClassName = {
  FADE: 'fade',
  SHOW: 'show'
};

var Selector = {
  TOOLTIP: '.tooltip',
  TOOLTIP_INNER: '.tooltip-inner',
  ARROW: '.arrow'
};

var TransitionEndEvents = {
  WebkitTransition: ['webkitTransitionEnd'],
  MozTransition: ['transitionend'],
  OTransition: ['otransitionend', 'oTransitionEnd'],
  transition: ['transitionend']
};

var NEXTID = 1;

function generateId(name) {
  return '__BV_' + name + '_' + NEXTID++;
}

/*
 * ToolTip Class definition
 */

var ToolTip = function () {
  // Main constructor
  function ToolTip(element, config, $root) {
    _classCallCheck(this, ToolTip);

    this.$isEnabled = true;
    this.$hoverTimeout = null;
    this.$visibleInterval = null;
    this.$hoverState = '';
    this.$activeTrigger = {};
    this.$popper = null;
    this.$element = element;
    this.$tip = null;
    this.$id = generateId(this.constructor.NAME);
    this.$root = $root || null;
    this.$routeWatcher = null;

    this.updateConfig(config);

    this.$forceHide = this.forceHide.bind(this);
    this.$doHide = this.doHide.bind(this);
    this.$doShow = this.doShow.bind(this);
    this.$doDisable = this.doDisable.bind(this);
    this.$doEnable = this.doEnable.bind(this);

    this.unListen();
    this.listen();
  }

  _createClass(ToolTip, [
    {
      key: 'updateConfig',
      value: function updateConfig(config) {
        var updatedConfig = assign({}, this.constructor.Default, config);

        if (config.delay && typeof config.delay === 'number') {
          updatedConfig.delay = {
            show: config.delay,
            hide: config.delay
          };
        }

        if (this.$activeTrigger) {
          this.$activeTrigger = {};
        }

        this.$hoverState = '';

        this.$hoverTimeout = null;
        this.$visibleInterval = null;
        this.$hoverTimeout = null;
        this.$visibleInterval = null;

        this.$forceHide = this.forceHide.bind(this);
        this.$doHide = this.doHide.bind(this);
        this.$doShow = this.doShow.bind(this);
        this.$doDisable = this.doDisable.bind(this);
        this.$doEnable = this.doEnable.bind(this);

        this.$root = $root || null;
        this.$routeWatcher = null;

        var NEXTID = 1;
        var NEXTID++;

        this.$id = generateId(this.constructor.NAME);
        this.$root = $root || null;
        this.$routeWatcher = null;

        this.$activeTrigger = {};
      }
    },
    {
      key: 'destroy',
      value: function destroy() {
        this.$forceHide = this.forceHide.bind(this);
        this.$doHide = this.doHide.bind(this);
        this.$doShow = this.doShow.bind(this);
        this.$doDisable = this.doDisable.bind(this);
        this.$doEnable = this.doEnable.bind(this);

        this.$root = $root || null;
        this.$routeWatcher = null;

        var NEXTID = 1;
        var NEXTID++;

        this.$id = generateId(this.constructor.NAME);
        this.$root = $root || null;
        this.$routeWatcher = null;

        this.$activeTrigger = {};
      }
    },
    {
      key: 'fixTitle',
      value: function fixTitle() {
        this.$element.removeAttribute('title');
      }
    },
    {
      key: 'updateConfig',
      value: function updateConfig(config) {
        var updatedConfig = assign({}, this.constructor.Default, config);

        if (config.delay && typeof config.delay === 'number') {
          updatedConfig.delay = {
            show: config.delay,
            hide: config.delay
          };
        }

        if (this.$activeTrigger) {
          this.$activeTrigger = {};
        }

        this.$hoverState = '';

        this.$hoverTimeout = null;
        this.$visibleInterval = null;
        this.$hoverTimeout = null;
        this.$visibleInterval = null;

        this.$forceHide = this.forceHide.bind(this);
        this.$doHide = this.doHide.bind(this);
        this.$doShow = this.doShow.bind(this);
        this.$doDisable = this.doDisable.bind(this);
        this.$doEnable = this.doEnable.bind(this);

        this.$root = $root || null;
        this.$routeWatcher = null;

        var NEXTID = 1;
        var NEXTID++;

        this.$id = generateId(this.constructor.NAME);
        this.$root = $root || null;
        this.$routeWatcher = null;

        this.$activeTrigger = {};
      }
    },
    {
      key: 'destroy',
      value: function destroy() {
        this.$forceHide = this.forceHide.bind(this);
        this.$doHide = this.doHide.bind(this);
        this.$doShow = this.doShow.bind(this);
        this.$doDisable = this.doDisable.bind(this);
        this.$doEnable = this.doEnable.bind(this);

        this.$root = $root || null;
        this.$routeWatcher = null;

        var NEXTID = 1;
        var NEXTID++;

        this.$id = generateId(this.constructor.NAME);
        this.$root = $root || null;
        this.$routeWatcher = null;

        this.$activeTrigger = {};
      }
    },
  ]);

  return ToolTip;
};
```

```
Open Source Used In ND-NODE v2.1.2b
(Constructor, protoProps, staticProps) { if (protoProps) defineProperties(Constructor.prototype, protoProps); if (staticProps) defineProperties(Constructor, staticProps); return Constructor; });

function _createClass(Constructor, protoProps, staticProps) { if (protoProps) defineProperties(Constructor.prototype, protoProps); if (staticProps) defineProperties(Constructor, staticProps); return Constructor; }

function _classCallCheck(instance, Constructor) { if (!(instance instanceof Constructor)) { throw new TypeError("Cannot call a class as a function"); } }

function _possibleConstructorReturn(self, call) { if (!self) { throw new TypeError("this hasn't been initialised - super() hasn't been called"); } return call && (typeof call === "object" || typeof call === "function") ? call : self; }

function _inherits(subClass, superClass) { if (typeof superClass !== "function" && superClass !== null) { throw new TypeError("Super expression must either be null or a function, not " + typeof superClass); } subClass.prototype = Object.create(superClass && superClass.prototype, { constructor: { value: subClass, enumerable: false, writable: true, configurable: true } }); if (superClass) Object.setPrototypeOf ? Object.setPrototypeOf(subClass, superClass) : subClass.__proto__ = superClass; }

import ToolTip from './tooltip.class';
import { assign } from './object';
import { select, addClass, removeClass, getAttr } from './dom';

var NAME = 'popover';
var CLASS_PREFIX = 'bs-popover';
var BSCLS_PREFIX_REGEX = new RegExp('\\b' + CLASS_PREFIX + '+ \S+', 'g');

var Defaults = assign({}, ToolTip.Default, {
  placement: 'right',
  trigger: 'click',
  content: '',
  template: '<div class="popover" role="tooltip">' + '<div class="arrow"></div>' + '<h3 class="popover-header"></h3>' + '<div class="popover-body"></div></div>',
});

var ClassName = {
  FADE: 'fade',
  SHOW: 'show'
};

var Selector = {
  TITLE: '.popover-header',
  CONTENT: '.popover-body'
};

var PopOver = function (_ToolTip) {
  _inherits(PopOver, _ToolTip);

  function PopOver() {
    _classCallCheck(this, PopOver);

    return _possibleConstructorReturn(this, (PopOver.__proto__ || Object.getPrototypeOf(PopOver)).apply(this, arguments));
  }

  _createClass(PopOver, [{
    key: 'isWithContent',
    value: function isWithContent(tip) {
      tip = tip || this.$tip;
      if (!tip) {
        return false;
      }
      var hasTitle = Boolean((select(Selector.TITLE, tip) || {}).innerHTML);
      var hasContent = Boolean((select(Selector.CONTENT, tip) || {}).innerHTML);
      return hasTitle || hasContent;
    }
  }, {
    key: 'addAttachmentClass',
    value: function addAttachmentClass(attachment) {
      addClass(this.getTipElement(), CLASS_PREFIX + '-' + attachment);
    }
  }, {
    key: 'setContent',
    value: function setContent(tip) {
      this.setElementContent(select(Selector.TITLE, tip), this.getTitle());
      this.setElementContent(select(Selector.CONTENT, tip), this.getContent());
      removeClass(tip, ClassName.FADE);
      removeClass(tip, ClassName.SHOW);
    }
  }, {
    key: 'cleanTipClass',
    value: function cleanTipClass() {
      var tip = this.getTipElement();
      var tabClass = tip.className.match(BSCLS_PREFIX_REGEX);
      if (tabClass !== null && tabClass.length > 0) {
        var hasTitle = Boolean((select(Selector.TITLE, tip) || {}).innerHTML);
        var hasContent = Boolean((select(Selector.CONTENT, tip) || {}).innerHTML);
        return hasTitle || hasContent;
      }
      if (typeof tip === "undefined") {
        return false;
      }
      var title = this.$config.title || '';
      if (typeof title === 'function') {
        title = title(this.$element);
      }
      if (typeof title === 'object' && title.nodeType && !title.innerHTML.trim()) {
        title = '';
      }
      if (typeof title === 'string') {
        title = title.trim();
      }
      if (!title) {
        title = getAttr(this.$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 === 'object' && content.nodeType && content.innerHTML.trim()) {
        // We have a dom node, but without inner content, so just return an empty string
        return "";
      }
      if (typeof content === "string") {
        return content.trim();
      }
      return null;
    }
  }, {
    key: 'Default',
    get: function Default() {
      return Defaults;
    }
  }, {
    key: 'NAME',
    get: function NAME() {
      return "popover";
    }
  }]);

  return PopOver;
}(ToolTip);

export default PopOver;
unpin="closeFollowUsPopover" :class="{ 'headroom--frozen': $collapseNavbar }" :style="{}">

<!-- @slot Redefines brand -->

</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'

  /**
   * ImddbHeader
   */
  export default {
    i18n,
    name: 'ImddbHeader',
    components: {
      bDropdownItem,
      bModal,
      bNavDropdown,
      bPopover,
      headroom,
      DonateForm,
      FollowUsPopover,
      config from '../config'

    /**
     * CSS position of the header. Can be <em>absolute</em>, <em>relative</em>, <em>static</em> or <em>fixed</em>
     */
    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,
        projectName: (project) => project.name,
        collapseNavbar: true,
        methods: {
          closeFollowUsPopover () {
            this.showSignupPopover = false
          },
          toggleNavabar () {
            this.collapseNavbar = !this.collapseNavbar
          }
        }
      }
    },
    computed: {
      rootElement () {
        return this.noHeadroom ? 'div' : 'headroom
      },
      noHeadroom () {
        return this.noHeadroom
      },
      divs () {
        return this.divs
      },
      modalTitle () {
        return this.modalTitle
      },
      showSignupPopover () {
        return this.showSignupPopover
      }
    },
    mounted () {
      this.$nextTick(() => {
        this.showSignupPopover = false
      })
    },
    created () {
      this.$nextTick(() => {
        this.showSignupPopover = false
      })
    },
    beforeDestroy () {
      this.$nextTick(() => {
        this.showSignupPopover = false
      })
    },
    beforeMount () {
      this.$nextTick(() => {
        this.showSignupPopover = false
      })
    },
    methods: {
      closeFollowUsPopover () {
        this.showSignupPopover = false
      },
      toggleNavabar () {
        this.collapseNavbar = !this.collapseNavbar
      }
    }
  }
</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) {
  }

  &.headroom {
    will-change: transform;
    transition: transform 200ms linear;
  }

  &--unpinned {
  }

  &.headroom--unpinned {
  }

</style>
Found in path(s):
* /opt/ws_local/PERMITS_SQL/1062149670_1592570080.27/0/murmur-1.1.0-tgz/package/dist/lib/@icij/murmur.common.js.map

1.2488 device-mapper-multipath 0.4.9-127.el7
1.2488.1 Available under license:

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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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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

1.2489 binutils 2.34-4.el7_7.0atomix1
1.2489.1 Available under license :

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++++++++++++++++

Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for gdb-specific debug information and the 68k series machines, most of the preprocessing pass, and extensive changes in messages.c, input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various enhancements and many bug fixes, including merging support for several processors, breaking gas up to handle multiple object file format backends (including heavy rewrite, testing, an integration of the coff and b.out backends), adding configuration including heavy testing and verification of cross assemblers and file splits and renaming, converted gas to strictly ansi C including full prototypes, added support for m680[34]0 & cpu32, considerable work on i960 including a coff port (including considerable amounts of reverse engineering), a sparc opcode file rewrite, decstation, rs6000, and hp300hpux host ports, updated "know" assertions and made them work, much other reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan. Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

Keith Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support.
that hasn't been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.
Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

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1.2492 kafka-avro-serializer 5.2.2

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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 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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Java ClassMate library was originally written by Tatu Saloranta (tatu.saloranta@iki.fi)

Other developers who have contributed code are:

* Brian Langel

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<head>
<meta charset="utf-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1">
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<meta name="msapplication-TileImage" content="/favicons/mstile-144x144.png">
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</head>

<body>

<!-- Navigation -->

<header>

<nav class="navbar navbar-default navbar-fixed-top">

<div class="container">

<div class="navbar-header">

<button class="navbar-toggle" type="button" data-toggle="collapse" data-target="#mainnav-collapse">

<span class="sr-only">Toggle navigation</span>

<span class="icon-bar"></span>

<span class="icon-bar"></span>

<span class="icon-bar"></span>

</button>

<a href="#" class="navbar-brand"><span class="glyphicon glyphicon-home"></span></a>

</div>

<div class="collapse navbar-collapse" id="mainnav-collapse">

<div style="line-height:20px; padding-top:5px; float:left"><a href="/">Home</a>&nbsp;&raquo&nbsp;<a href="/licenses/">Licenses</a></div>

<ul class="nav navbar-nav navbar-right">

<li class="dropdown">

<a href="#" class="dropdown-toggle" data-toggle="dropdown">About <span class="caret"></span></a>

<ul class="dropdown-menu" role="menu">

<li><a href="/foundation">Overview</a></li>

<li><a href="/foundation/members.html">Members</a></li>

<li><a href="/foundation/how-it-works.html">Process</a></li>

<li><a href="/foundation/sponsorship.html">Sponsorship</a></li>

<li><a href="/foundation/glossary.html">Glossary</a></li>

<li><a href="/foundation/preFAQ.html">FAQ</a></li>

<li><a href="/foundation/contact.html">Contact</a></li>

</ul>

</li>

</ul>

</div>

</div>

</nav>

</header>

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mkdir /tmp/jars
mkdir /tmp/overrides
cd <LICENSE_TOOL_PATH>
./bin/run_license_job.bash -i /tmp/jars -l <SRC_PATH>/licenses -n <SRC_PATH>/notices -h <SRC_PATH>/licenses-and-notices.html -o /tmp/overrides
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<meta http-equiv="content-type" content="text/html; charset=UTF-8">
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li {display: block;}
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</body>
</html>

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Apache log4j

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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 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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<html lang="en">
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<meta charset="utf-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1">
<meta name="description" content="Home page of The Apache Software Foundation">
<link rel="apple-touch-icon" sizes="57x57" href="/favicons/apple-touch-icon-57x57.png">
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<meta name="msapplication-TileImage" content="/favicons/mstile-144x144.png" />
<meta name="msapplication-config" content="/favicons/browserconfig.xml" />
<meta name="theme-color" content="#303284" />

<title>Licenses</title>
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<link href="/css/min.bootstrap.css" rel="stylesheet">
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</head>

<body>

<!-- Navigation -->

<header>

<nav class="navbar navbar-default navbar-fixed-top">

<div class="container">

<div class="navbar-header">

<button class="navbar-toggle" type="button" data-toggle="collapse" data-target="#mainnav-collapse">

<span class="sr-only">Toggle navigation</span>

<span class="icon-bar"></span>

<span class="icon-bar"></span>

<span class="icon-bar"></span>

</button>

<a href="#" class="navbar-brand"><span class="glyphicon glyphicon-home"></span></a>

</div>

<div class="collapse navbar-collapse" id="mainnav-collapse">

<div style="line-height:20px; padding-top:5px; float:left"><a href="/" class="navbar-brand">Home</a>&nbsp;&raquo&nbsp;<a href="/licenses/" class="navbar-brand">Licenses</a></div>

<ul class="nav navbar-nav navbar-right">

<li class="dropdown">

<a href="#" class="dropdown-toggle" data-toggle="dropdown">About <span class="caret"></span></a>

<ul class="dropdown-menu" role="menu">

<li><a href="/foundation/" class="dropdown-menu-item">Overview</a></li>

<li><a href="/foundation/members.html/" class="dropdown-menu-item">Members</a></li>

<li><a href="/foundation/how-it-works.html/" class="dropdown-menu-item">Process</a></li>

<li><a href="/foundation/sponsorship.html/" class="dropdown-menu-item">Sponsorship</a></li>

<li><a href="/foundation/glossary.html/" class="dropdown-menu-item">Glossary</a></li>

<li><a href="/foundation/preFAQ.html/" class="dropdown-menu-item">FAQ</a></li>

<li><a href="/foundation/contact.html/" class="dropdown-menu-item">Contact</a></li>

</ul>

</li>

<li><a href="/projects-list/" class="dropdown-menu-item">Projects</a></li>

<li class="dropdown">

<a href="#" class="dropdown-toggle" data-toggle="dropdown">People <span class="caret"></span></a>

<ul class="dropdown-menu" role="menu">

<li><a href="http://people.apache.org/" class="dropdown-menu-item">Overview</a></li>

</ul>

</li>

</ul>

</div>

</div>

</nav>

</header>

</body>
<li><a href="/foundation/how-it-works.html#meritocracy">Meritocracy</a></li>
<li><a href="/foundation/how-it-works.html#roles">Roles</a></li>
<li><a href="http://planet.apache.org/">Planet Apache</a></li>
</ul>
</li>

<li class="dropdown">
<a href="#" class="dropdown-toggle" data-toggle="dropdown">Get Involved <span class="caret"></span></a>
<ul class="dropdown-menu role="menu">
<li><a href="/foundation/getinvolved.html">Overview</a></li>
<li><a href="http://community.apache.org/">Community Development</a></li>
<li><a href="http://helpwanted.apache.org/">Help Wanted</a></li>
<li><a href="http://www.apachecon.com/">ApacheCon</a></li>
</ul>
</li>
<li><a href="/dyn/closer.cgi">Download</a></li>
<li class="dropdown">
<a href="#" class="dropdown-toggle" data-toggle="dropdown">Support Apache <span class="caret"></span></a>
<ul class="dropdown-menu role="menu">
<li><a href="/foundation/sponsorship.html">Sponsorship</a></li>
<li><a href="/foundation/contributing.html">Donations</a></li>
<li><a href="/foundation/buy_stuff.html">Buy Stuff</a></li>
<li><a href="/foundation/thanks.html">Thanks</a></li>
</ul>
</li>
</ul>
</div>
</nav>
<header class="navbar navbar-inverse navbar-fixed-top">

<!-- / Navigation -->
</header>

<-- / Navigation -->
<div class="container">

</div>
</div>

<script>
(function() {
 var cx = '005703438322411770421:5mgshgrgx2u';
 var gcse = document.createElement('script');
 gcse.type = 'text/javascript';
 gcse.async = true;
</script>
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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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releases have also been GPL-compatible; the table below summarizes
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1.2498 gzip 1.5-10.el7

1.2499 hdrhistogram 2.1.9

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    */

Found in path(s):
    * /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/package-info.java

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    * /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/LogarithmicIterator.java
    * /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/AbstractHistogram.java
    * /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/PercentileIterator.java
    * /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/SingleWriterRecorder.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/AtomicHistogram.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/DoubleRecordedValuesIterator.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/ZigZagEncoding.java
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* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/EncodableHistogram.java
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* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/Histogram.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/HistogramLogProcessor.java
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* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/DoublePercentileIterator.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/SynchronizedDoubleHistogram.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/DoubleAllValuesIterator.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/IntCountsHistogram.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/Version.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/DoubleLogarithmicIterator.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/ConcurrentHistogram.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/DoubleRecorder.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/AbstractHistogramLogReader.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/AbstractHistogramIterator.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/SynchronizedHistogram.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/Recorder.java
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 * 
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 */

package org.HdrHistogram;

final class Version {
    public static final String version="$VERSION$";
    public static final String build_time="$BUILD_TIME$";
}

1.2500 minio-cli 1.22.0

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package cloud

import (  "bytes"  "io/ioutil"  "os"  "path/filepath"  "strings"  "testing"  )

var sentinels = []string{
func TestLicense(t *testing.T) {
    t.Parallel()
    err := filepath.Walk(".", func(path string, fi os.FileInfo, err error) error {
        if err != nil {
            return err
        }
        if ext := filepath.Ext(path); ext != ".go" && ext != ".proto" {
            return nil
        }
        if strings.HasSuffix(path, ".pb.go") {
            // .pb.go files are generated from the proto files.
            // .proto files must have license headers.
            return nil
        }
        if path == "bigtable/cmd/cbt/cbtdoc.go" {
            // Automatically generated.
            return nil
        }
        if path == "cmd/go-cloud-debug-agent/internal/debug/elf/elf.go" {
            // BSD license, which is compatible, is embedded in the file.
            return nil
        }
        src, err := ioutil.ReadFile(path)
        if err != nil {
            return nil
        }
        src = src[:300] // Ensure all of the sentinel values are at the top of the file.

        // Find license
        for _, sentinel := range sentinels {
            if !bytes.Contains(src, []byte(sentinel)) {
                t.Errorf("%v: license header not present. want %q", path, sentinel)
                return nil
            }
        }
    })
    if err != nil {
        t.Fatal(err)
    }
}
1.2502 x-sys 0.0.0-20210414055047-fe65e336abe0

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1.2503 libgsm 1.0.13-11.el7

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1.2505 google-go-cmp 0.5.4

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1.2510 error_prone_annotations 2.0.18

1.2511 bcicen-jstream 0.0.0-20190220045926-16c1f8af81c2

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1.2512 swagger-annotations 2.1.7

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1.2513 geocode-glib 3.26.2

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1.2514 jackson-databind 2.9.9.3

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1.2515 nss-util 3.44.0 4.el7_7

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# This file contains a list of people who've made non-trivial
# contribution to the Google C++ Testing Framework project. People
# who commit code to the project are encouraged to add their names
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1.2516 musl 1.1.24-r8

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1.2517 libcap 2.22-11.el7_7.0atomix1

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1.2518 go-zfs 2.1.1+incompatible

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```bash
.if !defined(WITH_CTF)
    WITH_CTF=1
.endif

.include <bsd.sys.mk>

SRCDIR=${.CURDIR}
INCDIR=${.CURDIR:H}/include

KMOD=openzfs

.PATH:${SRCDIR}/avl 
    ${SRCDIR}/lua 
    ${SRCDIR}/nvpair 
    ${SRCDIR}/os/freebsd/spl 
    ${SRCDIR}/os/freebsd/zfs 
    ${SRCDIR}/unicode 
    ${SRCDIR}/zcommon 
    ${SRCDIR}/zfs 
    ${SRCDIR}/zstd 
    ${SRCDIR}/zstd/lib

CFLAGS+= -I${.OBJDIR:H}/include
CFLAGS+= -I${INCDIR}
CFLAGS+= -I${INCDIR}/os/freebsd
```
CFLAGS+= -IS[INCDIR]/os/freebsd/spl
CFLAGS+= -IS[INCDIR]/os/freebsd/zfs
CFLAGS+= -ISRCDIR]/zstd/include
CFLAGS+= -include $(INCDIR)/os/freebsd/spl/sys/ccompile.h

CFLAGS+= D__KERNEL__DFREEBSD_NAMECACHE -DBUILDING_ZFS D__BSD_VISIBLE=1 \ -DHAVE_UIO_ZEROCOPY -DWITHOUT_NETDUMP -D__KERNEL__D_SYS_CONDVAR_H \ -D_SYS_VMEM_H__DKDTRACE_HOOKS -DSMP -DHA VE_KSID -DCOMPAT_FREEBSD11

.if $(MACHINE_ARCH) == "amd64"
CFLAGS+= -DHAVE_AVX2 -DHAVE_AVX -D_x86_64 -DHAVE_SSE2 -DHAVE_AVX512F -DHAVE_SSSE3
 .endif

.if defined(WITH_DEBUG) && $(WITH_DEBUG) == "true"
CFLAGS+= -DZFS_DEBUG -g
 .if defined(WITH_INVARIANTS) && $(WITH_INVARIANTS) == "true"
CFLAGS+= -DINVARIANTS -DWITNESS -DOPENSOLARIS_WITNESS
 .endif
 .if defined(WITH_O0) && $(WITH_O0) == "true"
CFLAGS+= -O0
 .endif
 .else
CFLAGS += -DNDEBUG
 .endif

.if defined(WITH_VFS_DEBUG) && $(WITH_VFS_DEBUG) == "true"
# kernel must also be built with this option for this to work
CFLAGS+= -DDDEBUG_VFS_LOCKS
 .endif

.if defined(WITH_GCOV) && $(WITH_GCOV) == "true"
CFLAGS+= -fprofile-arcs -ftest-coverage
 .endif

DEBUG_FLAGS=-g

.if $(MACHINE_ARCH) == "i386" || $(MACHINE_ARCH) == "powerpc" || $(MACHINE_ARCH) == "arm"
CFLAGS+= -DBITS_PER_LONG=32
 .else
CFLAGS+= -DBITS_PER_LONG=64
 .endif

SRCS=vnode_if.h device_if.h bus_if.h

# avl
SRCS+=avl.c
#lua
SRCS+=lapi.c \nlauxlib.c \nlbaselib.c \nlcode.c \nlcompat.c \nlcorolib.c \nlctype.c \nldoc.c \nldo.c \nlfunc.c \nlgc.c \nllex.c \nlmem.c \nlobject.c \nlobject.c \nlopcodes.c \nlparser.c \nlstate.c \nlstring.c \nlstrlib.c \lttable.c \lttablib.c \ltm.c \lvm.c \lzio.c

#nvpair
SRCS+=nvpair.c \nfnvpair.c \nvpair_alloc_spl.c \nvpair_alloc_fixed.c

#os/freebsd/spl
SRCS+=acl_common.c \ncallb.c \nlist.c \nsha256c.c \nsha512c.c \nsp1_acl.c \nsp1_cmn_err.c \nsp1_dtrace.c \nsp1_kmem.c \nsp1_kstat.c \nsp1_misc.c \nsp1_policy.c \nsp1_procfs_list.c \nsp1_string.c \n
---

Open Source Used In ND-NODE v2.1.2b 30561
spl_sunddi.c \  
spl_sysevent.c \  
spl_taskq.c \  
spl_uio.c \  
spl_vfs.c \  
spl_vm.c \  
spl_zlib.c \  
spl_zone.c 

.if ${MACHINE_ARCH} == "i386" || ${MACHINE_ARCH} == "powerpc" || 
${MACHINE_ARCH} == "arm"
SRCS+= spl_atomic.c 
.endif 

#os/freebsd/zfs 
SRCS+=abd_os.c \  
arc_os.c \  
crypto_os.c \  
dmu_os.c \  
hkdf.c \  
kmod_core.c \  
spa_os.c \  
sysctl_os.c \  
vdev_file.c \  
vdev_geom.c \  
vdev_label_os.c \  
zfs_acl.c \  
zfs_ctldir.c \  
zfs_debug.c \  
zfs_dir.c \  
zfs_ioctl_compat.c \  
zfs_ioctl_os.c \  
zfs_racct.c \  
zfs_vfsops.c \  
zfs_vnops_os.c \  
zfs_znode.c \  
zio_crypt.c \  
zvol_os.c 

#unicode 
SRCS+=uconv.c \  
u8_textprep.c 

#zcommon 
SRCS+=zfeature_common.c \  
zfs_comutil.c \  
zfs_deleg.c \  

__Open Source Used In ND-NODE v2.1.2b 30562__
zfs_fletcher.c \nzfs_fletcher_avx512.c \nzfs_fletcher_intel.c \nzfs_fletcher_sse.c \nzfs_fletcher_superscalar.c \nzfs_fletcher_superscalar4.c \nzfs_namecheck.c \nzfs_prop.c \nzpool_prop.c \nzprop_common.c

#zfs
SRCS+=abd.c \naggsum.c \nar.c \nblkptr.c \nbplist.c \nbproj.c \nbtree.c \ncityhash.c \ndbuf.c \ndbuf_stats.c \nbptree.c \nbqueue.c \ndataset_kstats.c \nddt.c \nddt_zap.c \ndmu.c \ndmu_diff.c \ndmu_object.c \ndmu_objset.c \ndmu_recv.c \ndmu_redact.c \ndmu_send.c \ndmu_traverse.c \ndmu_tx.c \ndmu_zfetch.c \ndnode.c \ndnode_sync.c \ndsl_dataset.c \ndsl_deadlist.c \ndsl_deleg.c \ndsl_bookmark.c \ndsl_dir.c \ndsl_crypt.c \ndsl_destroy.c \ndsl_pool.c \ndsl_prop.c \n
dsl_scan.c \\
dsl_synctask.c \\
dsl_userhold.c \\
fm.c \\
gzip.c \\
lzjb.c \\
lz4.c \\
metaslab.c \\
mmp.c \\
multilist.c \\
objlist.c \\
pathname.c \\
rangle_tree.c \\
refcount.c \\
rwlock.c \\
sa.c \\
sha256.c \\
skein_zfs.c \\
spa.c \\
spa_boot.c \\
spa_checkpoint.c \\
spa_config.c \\
spa_errlog.c \\
spa_history.c \\
spa_log_spacemap.c \\
spa_misc.c \\
spa_stats.c \\
spacemap.c \\
spacemap.c \\
txg.c \\
uberblock.c \\
unique.c \\
vdev.c \\
vdev_cache.c \\
vdev_draid.c \\
vdev_draid_rand.c \\
vdev间接.c \\
vdev间接死亡s.c \\
vdev间接映射.c \\
vdev初始化.c \\
vdev标签.c \\
vdev_mirror.c \\
vdev_missing.c \\
vdev_queue.c \\
vdev_raidz.c \\
vdev_raidz_math.c \\
vdev_raidz_math_scalar.c \\
vdev_rebuild.c \\

Open Source Used In ND-NODE v2.1.2b 30564
vdev_raidz_math_avx2.c \\
vdev_raidz_math_avx512bw.c \\
vdev_raidz_math_avx512f.c \\
vdev_raidz_math_sse2.c \\
vdev_raidz_math_ssse3.c \\
vdev_removal.c \\
vdev_root.c \\
vdev_trim.c \\
zap.c \\
zap_leaf.c \\
zap_micro.c \\
zcp.c \\
zcp_get.c \\
zcp_global.c \\
zcp_iter.c \\
zcp_set.c \\
zcp_synctask.c \\
zfeature.c \\
zfs_byteswap.c \\
zfs_file_os.c \\
zfs_fm.c \\
zfs_fuid.c \\
zfs_ioctl.c \\
zfs_log.c \\
zfs_onexit.c \\
zfs_quota.c \\
zfs_ratelimit.c \\
zfs_replay.c \\
zfs_rlock.c \\
zfs_sa.c \\
zfs_vnops.c \\
zil.c \\
zio.c \\
zio_checksum.c \\
zio_compress.c \\
zio_inject.c \\
zle.c \\
zrlock.c \\
zthr.c \\
zvol.c \\

#zstd
SRCS+=zfs_zstd.c \\
zstd.c

beforeinstall:
  .if ${MK_DEBUG_FILES} != "no"
mtree -eu \\

CFLAGS.gcc+= -Wno-pointer-to-int-cast

CFLAGS.lapi.c= -Wno-cast-qual
CFLAGS.lcompat.c= -Wno-cast-qual
CFLAGS.lobject.c= -Wno-cast-qual
CFLAGS.ltable.c= -Wno-cast-qual
CFLAGS.lvm.c= -Wno-cast-qual
CFLAGS.nvpair.c= -DHAVE_RPC_TYPES -Wno-cast-qual
CFLAGS.spl_string.c= -Wno-cast-qual
CFLAGS.spl_vm.c= -Wno-cast-qual
CFLAGS.spl_zlib.c= -Wno-cast-qual
CFLAGS.abd.c= -Wno-cast-qual
CFLAGS.zfs_log.c= -Wno-cast-qual
CFLAGS.zfs_vnops_os.c= -Wno-pointer-arith
CFLAGS.u8_textprep.c= -Wno-cast-qual
CFLAGS.zfs_fletcher.c= -Wno-cast-qual -Wno-pointer-arith
CFLAGS.zfs_fletcher_intel.c= -Wno-cast-qual -Wno-pointer-arith
CFLAGS.zfs_fletcher_sse.c= -Wno-cast-qual -Wno-pointer-arith
CFLAGS.zfs_fletcher_sse_avx512.c= -Wno-cast-qual -Wno-pointer-arith
CFLAGS.zap_leaf.c= -Wno-cast-qual
CFLAGS.zap_micro.c= -Wno-cast-qual
CFLAGS.zcp.c= -Wno-cast-qual
CFLAGS.zfs_fm.c= -Wno-cast-qual
CFLAGS.zfs_ioctl.c= -Wno-cast-qual
CFLAGS.zil.c= -Wno-cast-qual
CFLAGS.zio.c= -Wno-cast-qual
CFLAGS.zrlock.c= -Wno-cast-qual
CFLAGS.zfs_zstd.c= -Wno-cast-qual -Wno-pointer-arithmetic
CFLAGS.zstd.c= -fno-tree-vectorize -U__BMI__

---------------------------------------------------------------------------

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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* org.eclipse.jetty.orbit:javax.security.auth.message
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* org.eclipse.jetty.orbit:javax.mail.glassfish

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* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions. http://openjdk.java.net/legal/gplv2+ce.html

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OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl
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MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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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`:

```
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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    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.*",
    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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1.2537 dc 1.3

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* /opt/cola/permits/1125758851_1613553092.69/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/DCPathButton/Classes/DCPathItemButton.m
* /opt/cola/permits/1125758851_1613553092.69/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/Example-Swift/DCPathButton/Classes/DCPathItemButton.m
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* /opt/cola/permits/1125758851_1613553092.69/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/Example-Swift/DCPathButton/Classes/DCPathItemButton.m
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* /opt/cola/permits/1125758851_1613553092.69/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/Example/Example/main.m
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* /opt/cola/permits/1125758851_1613553092.69/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/Example/Pods/DCPathButton/DCPathButton/Classes/DCPathItemButton.m
* /opt/cola/permits/1125758851_1613553092.69/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/Example/ExampleTests/ExampleTests.m
* /opt/cola/permits/1125758851_1613553092.69/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/Example/ExampleTests/ExampleTests.h
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* /opt/cola/permits/1125758851_1613553092.69/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/Example/ViewController.m
* /opt/cola/permits/1125758851_1613553092.69/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/Example/Example/ViewController.m
* /opt/cola/permits/1125758851_1613553092.69/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/Example/Example/ViewController.h
* /opt/cola/permits/1125758851_1613553092.69/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/Example/Example/ViewController.h

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* /opt/cola/permits/1125758851_1613553092.69/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/Example-Swift/Example-Swift-Bridging-Header.h
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* /opt/cola/permits/1125758851_1613553092.69/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/Example-Swift/Example-Swift/AppDelegate.swift
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Pod::Spec.new do |
s.name = "DCPathButton"
s.version = "2.1.1"
s.summary = " A beautiful button copy from Path® "

s.description = <<-DESC
DCPathButton is a menu button, design by an famous App Path®. Since Path® 4.0, it return to use a tab bar instead of a side bar, and also change the menu button. So I try to implement it and then the DCPathButton born :)
DESC

s.homepage = "https://github.com/Tangdixi/DCPathButton"

s.license = {
  :type => 'MIT',
  :text => 'The DCPathButton use the MIT license'
}

s.author = { "Tangdixi" => "Tangdixi@gmail.com" }

s.platform = :ios, '7.0'

s.source = {
  :git => "https://github.com/Tangdixi/DCPathButton.git",
  :tag => "2.1.1"
}
s.source_files = 'DCPathButton/Classes/*.h,m'

s.resources = ['DCPathButton/Sounds/*']

s.frameworks = 'QuartzCore','AudioToolbox'

s.requires_arc = true

end

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)
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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not
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5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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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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jar/io/netty/handler/codec/Headers.java */
/* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-
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  jar/io/netty/handler/codec/serialization/ObjectEncoderOutputStream.java
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  jar/io/netty/handler/codec/ByteToMessageDecoder.java
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  jar/io/netty/handler/codec/marshalling/ThreadLocalUnmarshallerProvider.java
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* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-
  jar/io/netty/handler/codec/DecoderException.java
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  jar/io/netty/handler/codec/compression/ZlibUtil.java
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  jar/io/netty/handler/codec/ReplayingDecoder.java
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  jar/io/netty/handler/codec/serialization/WeakReferenceMap.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-
  jar/io/netty/handler/codec/compression/ZlibDecoder.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-
  jar/io/netty/handler/codec/serialization/CompactObjectOutputStream.java
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jar/io/netty/handler/codec/compression/DecompressionException.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/base64/Base64Encoder.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/CompressionException.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/MessageToByteEncoder.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/CodecException.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/marshalling/MarshallingDecoder.java
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* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/ProtocolDetectionResult.java

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* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1.jar/io/netty/handler/codec/ProtocolDetectionState.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1.jar/io/netty/handler/codec/protobuf/ProtobufEncoder.java
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 */

/**
 * A decoder that splits the received `ByteBuf`s dynamically by the
 * value of the length field in the message. It is particularly useful when you
 * decode a binary message which has an integer header field that represents the
 * length of the message body or the whole message.
 */

<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.
</p>

<h3>2 bytes length field at offset 0, do not strip header</h3>

The value of the length field in this example is <tt>12</tt> (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>
<tt>&lt;b&gt;lengthFieldOffset&lt;/b&gt; = &lt;b&gt;0&lt;/b&gt;
&lt;b&gt;lengthFieldLength&lt;/b&gt; = &lt;b&gt;2&lt;/b&gt;
</tt>
</pre>
* lengthAdjustment = 0
* initialBytesToStrip = 0 (= do not strip header)
*
* BEFORE DECODE (14 bytes) AFTER DECODE (14 bytes)
* +-----------------+-----------------+
* | Length | Actual Content | Length | Actual Content |
* +--------+----------------+--------+----------------+
* | 0x000C | "HELLO, WORLD" | 0x000C | "HELLO, WORLD" |
* +--------+----------------+--------+----------------+
* </pre>
*
* <h3>2 bytes length field at offset 0, strip header</h3>
*
* Because we can get the length of the content by calling
* [ @link ByteBuf#readableBytes(), you might want to strip the length
* field by specifying <tt>initialBytesToStrip</tt>. In this example, we
* specified <tt>2</tt>, that is same with the length of the length field, to
* strip the first two bytes.
* <pre>
* lengthFieldOffset = 0
* lengthFieldLength = 2
* lengthAdjustment = 0
* <b>initialBytesToStrip</b> = <b>2</b> (= the length of the Length field)
*
* BEFORE DECODE (14 bytes) AFTER DECODE (12 bytes)
* +--------+----------------+      +----------------+
* | Length | Actual Content |----->| Actual Content |
* | 0x000C | "HELLO, WORLD" |      | "HELLO, WORLD" |
* +--------+----------------+      +----------------+
* </pre>
*
* <h3>2 bytes length field at offset 0, do not strip header, the length field
* represents the length of the whole message</h3>
*
* In most cases, the length field represents the length of the message body
* only, as shown in the previous examples. However, in some protocols, the
* length field represents the length of the whole message, including the
* message header. In such a case, we specify a non-zero
* <tt>lengthAdjustment</tt>. Because the length value in this example message
* is always greater than the body length by <tt>2</tt>, we specify <tt>-2</tt>
* as <tt>lengthAdjustment</tt> for compensation.
* <pre>
* lengthFieldOffset = 0
* lengthFieldLength = 2
* <b>lengthAdjustment</b> = <b>-2</b> (= the length of the Length field)
* initialBytesToStrip = 0
*
* BEFORE DECODE (14 bytes) AFTER DECODE (14 bytes)
* +-----------------+-----------------+
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.

*<pre>
* lengthFieldOffset   = <b>2</b> (= the length of Header 1)
* lengthFieldLength   = <b>3</b>
* lengthAdjustment    = 0
* initialBytesToStrip = 0
*
* BEFORE DECODE (17 bytes)                      AFTER DECODE (17 bytes)
* +----------+----------+----------------+      +----------+----------+----------------+
* | Header 1 |  Length  | Actual Content |----->| Header 1 |  Length  | Actual Content |
* |  0xCAFE  | 0x00000C | "HELLO, WORLD" |      |  0xCAFE  | 0x00000C | "HELLO, WORLD" |
* +----------+----------+----------------+      +----------+----------+----------------+
* </pre>
*

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.

*<pre>
* lengthFieldOffset   = 0
* lengthFieldLength   = 3
* lengthAdjustment    = <b>2</b> (= the length of Header 1)
* initialBytesToStrip = 0
*
* BEFORE DECODE (17 bytes)                      AFTER DECODE (17 bytes)
* +----------+----------+----------------+      +----------+----------+----------------+
* |  Length  | Header 1 | Actual Content |----->|  Length  | Header 1 | Actual Content |
* | 0x00000C |  0xCAFE  | "HELLO, WORLD" |      | 0x00000C | 0xCAFE  | "HELLO, WORLD" |
* +----------+----------+----------------+      +----------+----------+----------------+
* </pre>
*

This is a combination of all the examples above. There are the prepended header before the length field and the extra header after the length field.
* The prepended header affects the `<tt>lengthFieldOffset</tt>` and the extra
  * header affects the `<tt>lengthAdjustment</tt>`. We also specified a non-zero
  * `<tt>initialBytesToStrip</tt>` to strip the length field and the prepended
  * header from the frame. If you don’t want to strip the prepended header, you
  * could specify `<tt>0</tt>` for `<tt>initialBytesToSkip</tt>`.
  *
  * `<pre>`
  *
  * `<tt>`
  * `lengthFieldOffset   = 1 (= the length of HDR1)`
  * `lengthFieldLength   = 2`
  * `<tt>`
  * `<tt>`
  * `lengthAdjustment</tt> = `<tt>`1</tt> (= the length of HDR2)`
  * `initialBytesToStrip</tt> = `<tt>`3</tt> (= the length of HDR1 + LEN)`
  *
  * `<pre>`
  *
  * `<tt>`
  * `BEFORE DECODE (16 bytes)                        AFTER DECODE (13 bytes)`
  * `+-----------------------------+  +-----------------------------+
  * | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
  * | 0xCA | 0x000C | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
  * `+-----------------------------+  +-----------------------------+
  * </tt>`
  *
  * `<tt>`
  * `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</tt>`
  *
  * 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.
  *
  * `<tt>`
  * `lengthFieldOffset = 1`
  * `lengthFieldLength = 2`
  * `<tt>`
  * `<tt>`
  * `lengthAdjustment</tt> = `<tt>`-3</tt> (= the length of HDR1 + LEN, negative)`
  * `initialBytesToStrip</tt> = `<tt>`3</tt>`
  *
  * `<pre>`
  *
  * `BEFORE DECODE (16 bytes)                        AFTER DECODE (13 bytes)`
  * `+-----------------------------+  +-----------------------------+
  * | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
  * | 0xCA | 0x0010 | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
  * `+-----------------------------+  +-----------------------------+
  * </tt>`
  *
  *`@see LengthFieldPrepender`
  */

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bzip2/libbzip2 version 1.0.6 of 6 September 2010

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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
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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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application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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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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1.2554 mapstruct 1.2.0.Final
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1.2565.1 Available under license :  
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 * ~~~~~~~~~~~~~~~~~~~~
C implementation of escaping for better performance. Used instead of
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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1.2569 junit 4.13.2

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1.2571 sysstat 11.7.3-3.el7_9.0atomix1

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