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* lib/test/unit/diff.rb: PSFL

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<one line to give the program's name and a brief idea of what it does.>
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when it starts in an interactive mode:

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

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It was downloaded from http://www.sourceforge.net/projects/linux-atm/
See also http://linux-atm.sourceforge.net/dist.php

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1.8 python 3.5.3-1+deb9u1
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This package was put together by Klee Dienes <klee@debian.org> from sources from ftp.python.org:/pub/python, based on the Debianization by the previous maintainers Bernd S. Brentrup <bsb@uni-muenster.de> and Bruce Perens. Current maintainer is Matthias Klose <doko@debian.org>.

It was downloaded from http://python.org/

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Python License

A. HISTORY OF THE SOFTWARE

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

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

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

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

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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

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

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Mersenne Twister

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The `_random' module includes code based on a download from
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A C-program for MT19937, with initialization improved 2002/1/26.
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed)
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Sockets
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The `socket' module uses the functions, `getaddrinfo', and `getnameinfo', which are coded in separate source files from the WIDE Project, `http://www.wide.ad.jp/about/index.html'.

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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion
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- Arguments more compliant with python standard

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

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

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Mersenne Twister

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

Before using, initialize the state by using init_genrand(seed)
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Sockets
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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion
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- Arguments more compliant with Python standard

XML Remote Procedure Calls
--------------------------

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----------

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Select kqueue

----------

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SipHash24
--------

The file :file:`Python/pyhash.c` contains Marek Majkowski' implementation of Dan Bernstein's SipHash24 algorithm. The contains the following note::

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Original location:
https://github.com/majek/csiphash/

Solution inspired by code from:
Samuel Neves (supercop/crypto_auth/siphash24/little)
djb (supercop/crypto_auth/siphash24/little2)
Jean-Philippe Aumasson (https://131002.net/siphash/siphash24.c)

strtod and dtoa
----------

The file :file:`Python/dtoa.c`, which supplies C functions dtoa and strtod for conversion of C doubles to and from strings, is derived from the file of the same name by David M. Gay, currently available from http://www.netlib.org/fp/. The original file, as retrieved on March 16, 2009, contains the following copyright and licensing notice::

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----

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jloup@gzip.org          madler@alumni.caltech.edu

cfuhash
-------

The implementation of the hash table used by the :mod:`tracemalloc` is based on the cfuhash project:

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libmpdec
The :mod:`_decimal` Module is built using an included copy of the libmpdec library unless the build is configured `--with-system-libmpdec`:

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Python was created in the early 1990s by Guido van Rossum at Stichting
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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
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- lib/gssapi/mechglue/g_acquire_cred.c
- lib/gssapi/mechglue/g_canon_name.c
- lib/gssapi/mechglue/g_compare_name.c
- lib/gssapi/mechglue/g_context_time.c
- lib/gssapi/mechglue/g_delete_sec_context.c
- lib/gssapi/mechglue/g_dsp_name.c
- lib/gssapi/mechglue/g_dsp_status.c
- lib/gssapi/mechglue/g_dup_name.c
- lib/gssapi/mechglue/g_exp_sec_context.c
- lib/gssapi/mechglue/g_export_name.c
- lib/gssapi/mechglue/g_glue.c
and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/krb5_err.et
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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in "src/lib/gssapi", including the following files:

lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c
and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
slave/kpropd_rpc.c
slave/kproplog.c

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1.14 coreutils 8.26 3

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1.19 linux-aws 4.15.0-1052.54

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

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1.21 install 0.10.4

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1.22 debianutils 4.8.4
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1.23 azure-cli-nspkg 3.0.4

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1.24 rng-tools 5-0ubuntu4

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This is Debian GNU/Linux's prepackaged version of the PCRE regular expression library and associated pgrep utility.

This package was put together by me, Mark Baker <mbaker@iee.org> from the original sources obtained from ftp.csx.cam.ac.uk:/pub/software/programming/pcre.

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Feb, 2010

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// LicenseFilePrefix is a list of filename prefixes that indicate it
// might contain a software license
var LicenseFilePrefix = []string{
    "licence", // UK spelling
    "license", // US spelling
    "copying",
    "unlicense",
    "copyright",
    "copyleft",
    "authors",
    "contributors",
}

// LegalFileSubstring are substrings that indicate the file is likely
// to contain some type of legal declaration. "legal" is often used
// that it might moved to LicenseFilePrefix
var LegalFileSubstring = []string{
    "legal",
    "notice",
    "disclaimer",
    "patent",
    "third-party",
    "thirdparty",
}

// IsLicenseFile returns true if the filename might be contain a
// software license
func IsLicenseFile(filename string) bool {
    lowerfile := strings.ToLower(filename)
    for _, prefix := range LicenseFilePrefix {
        if strings.HasPrefix(lowerfile, prefix) {
            return true
        }
    }
    return false
}

// IsLegalFile returns true if the file is likely to contain some type
func IsLegalFile(filename string) bool {
    lowerfile := strings.ToLower(filename)
    for _, prefix := range LicenseFilePrefix {
        if strings.HasPrefix(lowerfile, prefix) {
            return true
        }
    }
    for _, substring := range LegalFileSubstring {
        if strings.Contains(lowerfile, substring) {
            return true
        }
    }
    return false
}

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

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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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objx - by Mat Ryer and Tyler Bunnell

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mgo - MongoDB driver for Go

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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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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
Open Source Used In Cisco Container Platform 6.1.03025

```go
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 NewLicenseManager(ref types.ManagedObjectReference) object.Reference {
    m := &LicenseManager{}
    m.Self = ref
    m.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
        }
    }

    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

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 != "" {
        id := types.ManagedObjectReference{
            Type: "HostSystem",
            Value: req.EntityId,
        }

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

return body

// EntityId can be a HostSystem or the vCenter InstanceUuid

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

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

5. A program that contains no derivative of any portion of the
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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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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
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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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

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

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

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

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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.

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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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1.35 azure-mgmt-containerservice 6.0.0

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1.37 libxcbglx 1.13.1-2

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The original source was downloaded from http://icu-project.org/download/latest_milestone.html

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# Commands to generate dependency files
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)
## Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -DPIC

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

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

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

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

## Shared object suffix
SO = so

## Non-shared intermediate object suffix
STATIC_O = ao

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

%.$(STATIC_O): $(srcdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<

## Dependency rules
%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec "$(GEN_DEPS.c) $< "
[ -s $@ ] || rm -f $@

%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$SHELL -ec "$(GEN_DEPS.cc) $< "
[ -s $@ ] || rm -f $@"
## Versioned libraries rules

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

## Bind internal references

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

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

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

## End BSD-specific setup

1.41 gnupg-utils 2.2.12-1+deb10u1

1.41.1 Available under license:

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*dns.c - Recursive, Reentrant DNS Resolver.

* DNS resolver (dirmngr/dns.c)

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1.42 libprocps6 2:3.3.12-3ubuntu1.2

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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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2.6.3  2.6.2  2009  PSF  yes
2.6.4  2.6.3  2009  PSF  yes
2.6.5  2.6.4  2010  PSF  yes
3.0   2.6   2008  PSF  yes
3.0.1  3.0   2009  PSF  yes
3.1   3.0.1  2009  PSF  yes
3.1.1  3.1   2009  PSF  yes
3.1.2  3.1.1  2010  PSF  yes
3.1.3  3.1.2  2010  PSF  yes
3.1.4  3.1.3  2011  PSF  yes
3.2   3.1   2011  PSF  yes
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3.3   3.2   2012  PSF  yes

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Mersenne Twister

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The `_random` module includes code based on a download from `http://www.math.keio.ac.jp/~matumoto/MT2002/emt19937ar.html`. The following are the verbatim comments from the original code:

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

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

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AES in libhcrypto

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rijndael-alg-fst.c

@version 3.0 (December 2000)

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

@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
@author Paulo Barreto <paulo.barreto@terra.com.br>

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1.56 libfile-fcntllock-perl 0.22-3+b5
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1.57 libext2fs2 1.44.5-1+deb10u1

1.57.1 Available under license:

#
# 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): $(BOBJ)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(O))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) $(my_dir) | sed -e 's;lib/;"/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \n$(DESTDIR)/$(BSDLIB_INSTALL_DIR)/$(BSD_LIB) \n@-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)/$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)

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

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

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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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Gadi Oxman, August 1995

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Theodore Ts'o
23-June-2007

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

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Index: tdbsa/tdb.c  
===================================================================  
--- tdbsa.orig/tdb.c  
+++ tdbsa/tdb.c  
@@ -4,11 +4,11 @@ Rev: 23371  
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)  
*/  
/*  
- Unix SMB/CIFS implementation.  
+ trivial database library - standalone version  

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-  
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written by Theodore Ts'o <tytso@mit.edu> and Remy Card  
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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

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1.58 format 0.2.2

1.59 cpio 2.12+dfsg 6ubuntu0.18.04.1

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End
This is Debian GNU/Linux's prepackaged version of the PCRE regular expression library and associated pgrep utility.

This package was put together by me, Mark Baker <mbaker@iee.org> from the original sources obtained from ftp.csx.cam.ac.uk:/pub/software/programming/pcre.

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    lib/getopt_long.c
    include/windows/getopt.h
    datapath-windows/ovsext/Conntrack-tcp.c
    lib/conntrack-tcp.c

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    include/windows/netinet/icmp6.h
include/windows/netinet/ip6.h
lib/strsep.c

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  datapath/linux/compat/include/linux/openvswitch.h

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  "
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  " Werner Lemberg <wl@gnu.org>
  "
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 * General Public License for more details.
 */
#include <linux/kconfig.h>
#include <linux/version.h>

#if IS_ENABLED(CONFIG_NF_CONNTRACK)

#include <linux/module.h>
#include <linux/openvswitch.h>
#include <linux/tcp.h>
#include <linux/udp.h>
#include <linux/sctp.h>
#include <linux/static_key.h>
#include <net/ip.h>
#include <net/genetlink.h>
#include <net/netfilter/nf_conntrack_core.h>
#include <net/netfilter/nf_conntrack_count.h>
#include <net/netfilter/nf_conntrack_helper.h>
#include <net/netfilter/nf_conntrack_labels.h>
#include <net/netfilter/nf_conntrack_seqadj.h>
#include <net/netfilter/nf_conntrack_zones.h>
#include <net/netfilter/ipv6/nf_defrag_ipv6.h>

#elif defined CONFIG_NF_NAT_NEEDED
#include <linux/netfilter/nf_nat.h>
#include <net/netfilter/nf_nat_core.h>
#include <net/netfilter/nf_nat_l3proto.h>
#endif

#include "datapath.h"
#include "contrack.h"
#include "flow.h"
#include "flow_netlink.h"
#include "gso.h"

#endif HAVE_NF_NAT_RANGE2
#define nf_nat_range2 nf_nat_range
#endif

struct ovs_ct_len_tbl {
    int maxlen;
    int minlen;
};

/* Metadata mark for masked write to contrack mark */
struct md_mark {
    u32 value;
    u32 mask;
};
/* Metadata label for masked write to conntrack label. */
struct md_labels {
 struct ovs_key_ct_labels value;
 struct ovs_key_ct_labels mask;
};

enum ovs_ct_nat {
 OVS_CT_NAT = 1 << 0, /* NAT for committed connections only. */
 OVS_CT_SRC_NAT = 1 << 1, /* Source NAT for NEW connections. */
 OVS_CT_DST_NAT = 1 << 2, /* Destination NAT for NEW connections. */
};

/* Conntrack action context for execution. */
struct ovs_conntrack_info {
 struct nf_conntrack_helper *helper;
 struct nf_conntrack_zone zone;
 struct nf_conn *ct;
 u8 commit : 1;
 u8 nat : 3;  /* enum ovs_ct_nat */
 u8 random_fully_compat : 1; /* bool */
 u8 force : 1;
 u8 have_eventmask : 1;
 u16 family;
 u32 eventmask;  /* Mask of 1 << IPCT_* */
 struct md_mark mark;
 struct md_labels labels;
 #ifdef CONFIG_NF_NAT_NEEDED
 struct nf_nat_range2 range;  /* Only present for SRC NAT and DST NAT. */
 #endif
};

#if IS_ENABLED(CONFIG_NETFILTER_CONNCOUNT)
#define OVS_CT_LIMIT_UNLIMITED 0
#define OVS_CT_LIMIT_DEFAULT OVS_CT_LIMIT_UNLIMITED
#define CT_LIMIT_HASH_BUCKETS 512
static DEFINE_STATIC_KEY_FALSE(ovs_ct_limit_enabled);

struct ovs_ct_limit {
 /* Elements in ovs_ct_limit_info->limits hash table */
 struct hlist_node hlist_node;
 struct rcu_head rcu;
 u16 zone;
 u32 limit;
};

struct ovs_ct_limit_info {
 u32 default_limit;
 struct hlist_head *limits;
};

Open Source Used In Cisco Container Platform 6.1.03671
struct nf_conncount_data *data;
};

static const struct nla_policy ct_limit_policy[OVS_CT_LIMIT_ATTR_MAX + 1] = {
[OVS_CT_LIMIT_ATTR_ZONE_LIMIT] = { .type = NLA_NESTED, },
};
#endif

static bool labels_nonzero(const struct ovs_key_ct_labels *labels);

static void __ovs_ct_free_action(struct ovs_conntrack_info *ct_info);

static u16 key_to_nfproto(const struct sw_flow_key *key)
{
switch (ntohs(key->eth.type)) {
case ETH_P_IP:
return NFPROTO_IPV4;
case ETH_P_IPV6:
return NFPROTO_IPV6;
default:
return NFPROTO_UNSPEC;
}
}

/* Map SKB connection state into the values used by flow definition. */
static u8 ovs_ct_get_state(enum ip_conntrack_info ctinfo)
{
u8 ct_state = OVS_CS_F_TRACKED;

switch (ctinfo) {
case IP_CT_ESTABLISHED_REPLY:
ct_state |= OVS_CS_F_REPLY_DIR;
break;
default:
break;
}

switch (ctinfo) {
case IP_CT_ESTABLISHED:
case IP_CT_ESTABLISHED_REPLY:
ct_state |= OVS_CS_F_ESTABLISHED;
break;
case IP_CT_RELATED:
case IP_CT_RELATED_REPLY:
ct_state |= OVS_CS_F_RELATED;
break;
case IP_CT_NEW:
ct_state |= OVS_CS_F_NEW;
break;
default:
break;
}

return ct_state;

static u32 ovs_ct_get_mark(const struct nf_conn *ct)
{
#if IS_ENABLED(CONFIG_NF_CONNTRACK_MARK)
return ct ? ct->mark : 0;
#else
return 0;
#endif
}

/* Guard against conntrack labels max size shrinking below 128 bits. */
#if NF_CT_LABELS_MAX_SIZE < 16
#error NF_CT_LABELS_MAX_SIZE must be at least 16 bytes
#endif

static void ovs_ct_get_labels(const struct nf_conn *ct,
   struct ovs_key_ct_labels *labels)
{
struct nf_conn_labels *cl = ct ? nf_ct_labels_find(ct) : NULL;

if (cl)
   memcpy(labels, cl->bits, OVS_CT_LABELS_LEN);
else
   memset(labels, 0, OVS_CT_LABELS_LEN);
}

static void __ovs_ct_update_key_orig_tp(struct sw_flow_key *key,
   const struct nf_conntrack_tuple *orig,
   u8 icmp_proto)
{
key->ct_orig_proto = orig->dst.protonum;
if (orig->dst.protonum == icmp_proto) {
   key->ct.orig_tp.src = htons(orig->dst.u.icmp.type);
   key->ct.orig_tp.dst = htons(orig->dst.u.icmp.code);
} else {
   key->ct.orig_tp.src = orig->src.u.all;
   key->ct.orig_tp.dst = orig->dst.u.all;
}
}
static void __ovs_ct_update_key(struct sw_flow_key *key, u8 state,
const struct nf_contrack_zone *zone,
const struct nf_conn *ct)
{
    key->ct_state = state;
    key->ct_zone = zone->id;
    key->ct.mark = ovs_ct_get_mark(ct);
    ovs_ct_get_labels(ct, &key->ct.labels);

    if (ct) {
        const struct nf_contrack_tuple *orig;

        /* Use the master if we have one. */
        if (ct->master)
            ct = ct->master;
        orig = &ct->tuplehash[IP_CT_DIR_ORIGINAL].tuple;

        /* IP version must match with the master connection. */
        if (key->eth.type == htons(ETH_P_IP) &&
            nf_ct_l3num(ct) == NFPROTO_IPV4) {
            key->ipv4.ct_orig.src = orig->src.u3.ip;
            key->ipv4.ct_orig.dst = orig->dst.u3.ip;
            __ovs_ct_update_key_orig_tp(key, orig, IPPROTO_ICMP);
            return;
        } else if (key->eth.type == htons(ETH_P_IPV6) &&
                   !sw_flow_key_is_nd(key) &&
                   nf_ct_l3num(ct) == NFPROTO_IPV6) {
            key->ipv6.ct_orig.src = orig->src.u3.in6;
            key->ipv6.ct_orig.dst = orig->dst.u3.in6;
            __ovs_ct_update_key_orig_tp(key, orig, NEXTHDR_ICMP);
            return;
        } else if (key->eth.type == htons(ETH_P_IPV6) &&
                   sw_flow_key_is_nd(key) &&
                   nf_ct_l3num(ct) == NFPROTO_IPV6) {
            key->ipv6.ct_orig.src = orig->src.u3.in6;
            key->ipv6.ct_orig.dst = orig->dst.u3.in6;
            __ovs_ct_update_key_orig_tp(key, orig, NEXTHDR_ICMP);
            return;
        }

        /* Clear 'ct_orig_proto' to mark the non-existence of conntrack
         * original direction key fields.
         */
        key->ct_orig_proto = 0;
    }

    /* Update 'key' based on skb->_nfct.  If 'post_ct' is true, then OVS has
     * previously sent the packet to conntrack via the ct action.  If
     * 'keep_nat_flags' is true, the existing NAT flags retained, else they are
     * initialized from the connection status.
     */
    static void ovs_ct_update_key(const struct sk_buff *skb,
        const struct ovs_contrack_info *info,
        struct sw_flow_key *key, bool post_ct,
        bool keep_nat_flags)
const struct nf_conntrack_zone *zone = &nf_ct_zone_dflt;
enum ip_conntrack_info ctinfo;
struct nf_conn *ct;
u8 state = 0;

t = nf_c_t_get(skb, &ctinfo);
if (ct) {
  state = ovs_c_t_get_state(ctinfo);
  /* All unconfirmed entries are NEW connections. */
  if (!nf_ct_is_confirmed(ct))
    state |= OVS_CS_F_NEW;
  /* OVS persists the related flag for the duration of the
   * connection.
   */
  if (ct->master)
    state |= OVS_CS_F_RELATED;
  if (keep_nat_flags) {
    state |= key->ct_state & OVS_CS_F_NAT_MASK;
  } else {
    if (ct->status & IPS_SRC_NAT)
      state |= OVS_CS_F_SRC_NAT;
    if (ct->status & IPS_DST_NAT)
      state |= OVS_CS_F_DST_NAT;
  }
  zone = nf_ct_zone(ct);
} else if (post_ct) {
  state = OVS_CS_F_TRACKED | OVS_CS_F_INVALID;
  if (info)
    zone = &info->zone;
}
__ovs_c_t_update_key(key, state, zone, ct);

/* This is called to initialize CT key fields possibly coming in from the local
 * stack.
 */
void ovs_c_t_fill_key(const struct sk_buff *skb, struct sw_flow_key *key)
{
  ovs_c_t_update_key(skb, NULL, key, false, false);
}

#define IN6_ADDR_INITIALIZER(ADDR)\
  { (ADDR).s6_addr32[0], (ADDR).s6_addr32[1],
{ 
if (nla_put_u32(skb, OVS_KEY_ATTR_CT_STATE, output->ct_state))
return -EMSGSIZE;

if (IS_ENABLED(CONFIG_NF_CONNTRACK_ZONES) &&
        nla_put_u16(skb, OVS_KEY_ATTR_CT_ZONE, output->ct_zone))
return -EMSGSIZE;

if (IS_ENABLED(CONFIG_NF_CONNTRACK_MARK) &&
        nla_put_u32(skb, OVS_KEY_ATTR_CT_MARK, output->ct.mark))
return -EMSGSIZE;

if (IS_ENABLED(CONFIG_NF_CONNTRACK_LABELS) &&
        nla_put(skb, OVS_KEY_ATTR_CT_LABELS, sizeof(output->ct.labels),
                &output->ct.labels))
return -EMSGSIZE;

if (swkey->ct_orig_proto) {
    if (swkey->eth.type == htons(ETH_P_IP)) {
        struct ovs_key_ct_tuple_ipv4 orig = {
            output->ipv4.ct_orig.src,
            output->ipv4.ct_orig.dst,
            output->ct.orig_tp.src,
            output->ct.orig_tp.dst,
            output->ct_orig_proto,
        };
        if (nla_put(skb, OVS_KEY_ATTR_CT_ORIG_TUPLE_IPV4, sizeof(orig), &orig))
            return -EMSGSIZE;
    } else if (swkey->eth.type == htons(ETH_P_IPV6)) {
        struct ovs_key_ct_tuple_ipv6 orig = {
            IN6_ADDR_INITIALIZER(output->ipv6.ct_orig.src),
            IN6_ADDR_INITIALIZER(output->ipv6.ct_orig.dst),
            output->ct.orig_tp.src,
            output->ct.orig_tp.dst,
            output->ct_orig_proto,
        };
        if (nla_put(skb, OVS_KEY_ATTR_CT_ORIG_TUPLE_IPV6, sizeof(orig), &orig))
            return -EMSGSIZE;
    }
}

return 0;
}

static int ovs_ct_set_mark(struct nf_conn *ct, struct sw_flow_key *key,
        u32 ct_mark, u32 mask)
#if IS_ENABLED(CONFIG_NF_CONNTRACK_MARK)

u32 new_mark;

new_mark = ct_mark | (ct->mark & ~(mask));
if (ct->mark != new_mark) {
    ct->mark = new_mark;
    if (nf_ct_is_confirmed(ct))
        nf_conntrack_event_cache(IPCT_MARK, ct);
    key->ct.mark = new_mark;
}

return 0;
#elif
    return -ENOTSUPP;
#endif

static struct nf_conn_labels *ovs_ct_get_conn_labels(struct nf_conn *ct)
{
    struct nf_conn_labels *cl;

    cl = nf_ct_labels_find(ct);
    if (!cl) {
        nf_ct_labels_ext_add(ct);
        cl = nf_ct_labels_find(ct);
    }

    return cl;
}

// Initialize labels for a new, yet to be committed conntrack entry. Note that
// since the new connection is not yet confirmed, and thus no-one else has
// access to it's labels, we simply write them over.
*/
static int ovs_ct_init_labels(struct nf_conn *ct, struct sw_flow_key *key,
const struct ovs_key_ct_labels *labels,
const struct ovs_key_ct_labels *mask)
{
    struct nf_conn_labels *cl, *master_cl;
    bool have_mask = labels_nonzero(mask);

    /* Inherit master's labels to the related connection? */
    master_cl = ct->master ? nf_ct_labels_find(ct->master) : NULL;
    if (!master_cl && !have_mask)
        return 0; /* Nothing to do. */
cl = ovs_ct_get_conn_labels(ct);
if (!cl)
    return -ENOSPC;

/* Inherit the master's labels, if any. Must use memcpy for backport
 * as struct assignment only copies the length field in older
 * kernels.
 */
if (master_cl)
    memcpy(cl->bits, master_cl->bits, OVS_CT_LABELS_LEN);

if (have_mask) {
    u32 *dst = (u32 *)cl->bits;
    int i;

    for (i = 0; i < OVS_CT_LABELS_LEN_32; i++)
        dst[i] = (dst[i] & ~mask->ct_labels_32[i]) |
            (labels->ct_labels_32[i] & mask->ct_labels_32[i]);
}

/* Labels are included in the IPCTNL_MSG_CT_NEW event only if the
 * IPCT_LABEL bit is set in the event cache.
 */
nf_conntrack_event_cache(IPCT_LABEL, ct);

memcpy(&key->ct.labels, cl->bits, OVS_CT_LABELS_LEN);
return 0;
}

static int ovs_ct_set_labels(struct nf_conn *ct, struct sw_flow_key *key,
    const struct ovs_key_ct_labels *labels,
    const struct ovs_key_ct_labels *mask)
{
    struct nf_conn_labels *cl;
    int err;

    cl = ovs_ct_get_conn_labels(ct);
    if (!cl)
        return -ENOSPC;

    err = nf_connlabels_replace(ct, labels->ct_labels_32,
        mask->ct_labels_32,
        OVS_CT_LABELS_LEN_32);
    if (err)
        return err;
memcpy(&key->ct.labels, cl->bits, OVS_CT_LABELS_LEN);

return 0;
}

/* 'skb' should already be pulled to nh_ofs. */
static int ovs_ct_helper(struct sk_buff *skb, u16 proto)
{
    const struct nf_conntrack_helper *helper;
    const struct nf_conn_help *help;
    enum ip_conntrack_info ctinfo;
    unsigned int protoff;
    struct nf_conn *ct;
    u8 nexthdr;
    int err;

#if LINUX_VERSION_CODE < KERNEL_VERSION(4,6,0)
    bool dst_set = false;
    struct rtable rt = { .rt_flags = 0 };  
#endif

    ct = nf_ct_get(skb, &ctinfo);
    if (!ct || ctinfo == IP_CT_RELATED_REPLY)
        return NF_ACCEPT;
    help = nfct_help(ct);
    if (!help)
        return NF_ACCEPT;
    helper = rcu_dereference(help->helper);
    if (!helper)
        return NF_ACCEPT;

    switch (proto) {
    case NFPROTO_IPV4:
        protoff = ip_hdrlen(skb);
        break;
    case NFPROTO_IPV6:
        __be16 frag_off;
        int ofs;

        nexthdr = ipv6_hdr(skb)->nexthdr;
        ofs = ipv6_skip_exthdr(skb, sizeof(struct ipv6hdr), &nexthdr,
                               &frag_off);
        if (ofs < 0 || (frag_off & htons(~0x7)) != 0) {
            pr_debug("proto header not found\n");
            return NF_ACCEPT;
        }

    
}
protoff = ofs;
break;
}
default:
WARN_ONCE(1, "helper invoked on non-IP family!");
return NF_DROP;
}

#if LINUX_VERSION_CODE < KERNEL_VERSION(4,6,0)
/* Linux 4.5 and older depend on skb_dst being set when recalculating checksums after NAT helper has mangled TCP or UDP packet payload. skb_dst is cast to a rtable struct and the flags examined. Forcing these flags to have RTCF_LOCAL not set ensures checksum mod is carried out in the same way as kernel versions > 4.5 */
if (ct->status & IPS_NAT_MASK && skb->ip_summed != CHECKSUM_PARTIAL && !skb_dst(skb)) {
    dst_set = true;
skb_dst_set(skb, &rt.dst);
}
#endif
err = helper->help(skb, protoff, ct, ctinfo);
if (err != NF_ACCEPT)
    return err;
#if LINUX_VERSION_CODE < KERNEL_VERSION(4,6,0)
if (dst_set)
    skb_dst_set(skb, NULL);
#endif
/* Adjust seqs after helper. This is needed due to some helpers (e.g., FTP with NAT) adjusting the TCP payload size when mangling IP addresses and/or port numbers in the text-based control connection. */
if (test_bit(IPS_SEQ_ADJUST_BIT, &ct->status) &&
    !nf_ct_seq_adjust(skb, ct, ctinfo, protoff))
    return NF_DROP;
return NF_ACCEPT;
}

/* Returns 0 on success, -EINPROGRESS if 'skb' is stolen, or other nonzero value if 'skb' is freed. */
static int handle_fragments(struct net *net, struct sw_flow_key *key, u16 zone, struct sk_buff *skb) {
    struct ovs_gso_cb ovs_cb = *OVS_GSO_CB(skb);
    int err;

if (key->eth.type == htons(ETH_P_IP)) {
    enum ip_defrag_users user = IP_DEFRAG_CONNTRACK_IN + zone;

    memset(IPCB(skb), 0, sizeof(struct inet_skb_parm));
    err = ip_defrag(net, skb, user);
    if (err)
        return err;

    ovs_cb.dp_cb.mru = IPCB(skb)->frag_max_size;
#if IS_ENABLED(CONFIG_NF_DEFRAG_IPV6)
} else if (key->eth.type == htons(ETH_P_IPV6)) {
    enum ip6_defrag_users user = IP6_DEFRAG_CONNTRACK_IN + zone;

    memset(IP6CB(skb), 0, sizeof(struct inet6_skb_parm));
    err = nf_ct_frag6_gather(net, skb, user);
    if (err) {
        if (err != -EINPROGRESS)
            kfree_skb(skb);
        return err;
    }
    key->ip.proto = ipv6_hdr(skb)->nexthdr;
    ovs_cb.dp_cb.mru = IP6CB(skb)->frag_max_size;
#endif /* IP frag support */
} else {
    kfree_skb(skb);
    return -EPFNOSUPPORT;
}

key->ip.proto = ipv6_hdr(skb)->nexthdr;
ovs_cb.dp_cb.mru = IP6CB(skb)->frag_max_size;

static struct nf_conntrack_expect *
ovs_ct_expect_find(struct net *net, const struct nf_conntrack_zone *zone,
    u16 proto, const struct sk_buff *skb)
{
    struct nf_conntrack_tuple tuple;
    struct nf_conntrack_expect *exp;

    if (!nf_ct_get_tuplepr(skb, skb_network_offset(skb), proto, net, &tuple))
        return NULL;

    key->ip.proto = ipv6_hdr(skb)->nexthdr;
    skb_clear_hash(skb);
    skb->ignore_df = 1;
    *OV5_GSO_CB(skb) = ovs_cb;
    return 0;
}

static struct nf_conntrack_expect *
ovs_ct_expect_find(struct net *net, const struct nf_conntrack_zone *zone,
    u16 proto, const struct sk_buff *skb)
{
    struct nf_conntrack_tuple tuple;
    struct nf_conntrack_expect *exp;

    if (!nf_ct_get_tuplepr(skb, skb_network_offset(skb), proto, net, &tuple))
        return NULL;
exp = __nf_ct_expect_find(net, zone, &tuple);
if (exp) {
    struct nf_conntrack_tuple_hash *h;

    /* Delete existing conntrack entry, if it clashes with the
       * expectation. This can happen since conntrack ALGs do not
       * check for clashes between (new) expectations and existing
       * conntrack entries. nf_conntrack_in() will check the
       * expectations only if a conntrack entry can not be found,
       * which can lead to OVS finding the expectation (here) in the
       * init direction, but which will not be removed by the
       * nf_conntrack_in() call, if a matching conntrack entry is
       * found instead. In this case all init direction packets
       * would be reported as new related packets, while reply
       * direction packets would be reported as un-related
       * established packets.
       */
    h = nf_conntrack_find_get(net, zone, &tuple);
    if (h) {
        struct nf_conn *ct = nf_ct_tuplehash_to_ctrack(h);
        nf_ct_delete(ct, 0, 0);
        nf_conntrack_put(&ct->ct_general);
    }
}

return exp;
}

/* This replicates logic from nf_conntrack_core.c that is not exported. */
static enum ip_conntrack_info
ovs_ct_get_info(const struct nf_conntrack_tuple_hash *h)
{
    const struct nf_conn *ct = nf_ct_tuplehash_to_ctrack(h);

    if (NF_CT_DIRECTION(h) == IP_CT_DIR_REPLY)
        return IP_CT_ESTABLISHED_REPLY;
    /* Once we've had two way comms, always ESTABLISHED. */
    if (test_bit(IPS_SEEN_REPLY_BIT, &ct->status))
        return IP_CT_ESTABLISHED;
    if (test_bit(IPS_EXPECTED_BIT, &ct->status))
        return IP_CT_RELATED;
    return IP_CT_NEW;
}

/* Find an existing connection which this packet belongs to without
   * re-attributing statistics or modifying the connection state. This allows an
   * skb->nfct lost due to an upcall to be recovered during actions execution.
* Must be called with rcu_read_lock.
*
* On success, populates skb->nfct and returns the connection. Returns NULL
* if there is no existing entry.
*/

static struct nf_conn *
ovs_ct_find_existing(struct net *net, const struct nf_conntrack_zone *zone,
         u8 l3num, struct sk_buff *skb, bool natted)
{
    const struct nf_conntrack_l3proto *l3proto;
    const struct nf_conntrack_l4proto *l4proto;
    struct nf_conntrack_tuple tuple;
    struct nf_conntrack_tuple_hash *h;
    struct nf_conn *ct;
    unsigned int dataoff;
    u8 protonum;

    l3proto = __nf_ct_l3proto_find(l3num);
    if (l3proto->get_l4proto(skb, skb_network_offset(skb), &dataoff,
                &protonum) <= 0) {
        pr_debug("ovs_ct_find_existing: Can't get protonum\n");
        return NULL;
    }
    l4proto = __nf_ct_l4proto_find(l3num, protonum);
    if (!nf_ct_get_tuple(skb, skb_network_offset(skb), dataoff, l3num,
                     protonum, net, &tuple, l3proto, l4proto)) {
        pr_debug("ovs_ct_find_existing: Can't get tuple\n");
        return NULL;
    }

    /* Must invert the tuple if skb has been transformed by NAT. */
    if (natted) {
        struct nf_conntrack_tuple inverse;

        if (!nf_ct_invert_tuple(&inverse, &tuple, l3proto, l4proto)) {
            pr_debug("ovs_ct_find_existing: Inversion failed!\n");
            return NULL;
        }
        tuple = inverse;
    }

    /* look for tuple match */
    h = nf_conntrack_find_get(net, zone, &tuple);
    if (!h)
        return NULL; /* Not found. */
    ct = nf_ct_tuplehash_to_ctrack(h);

/* Inverted packet tuple matches the reverse direction conntrack tuple,
 * select the other tuplehash to get the right 'ctinfo' bits for this
 * packet.
 */
if (natted)
h = &ct->tuplehash[!h->tuple.dst.dir];

nf_ct_set(skb, ct, ovs_ct_get_info(h));
return ct;
}

static
struct nf_conn *ovs_ct_executed(struct net *net,
const struct sw_flow_key *key,
const struct ovs_conntrack_info *info,
struct sk_buff *skb,
bool *ct_executed)
{
struct nf_conn *ct = NULL;

/* If no ct, check if we have evidence that an existing conntrack entry
 * might be found for this skb. This happens when we lose a skb->_nfct
 * due to an upcall, or if the direction is being forced. If the
 * connection was not confirmed, it is not cached and needs to be run
 * through conntrack again.
 */
*ct_executed = (key->ct_state & OVS_CS_F_TRACKED) &&
!((key->ct_state & OVS_CS_F_INVALID) &&
(key->ct_zone == info->zone.id);
if (*ct_executed || (!key->ct_state && info->force)) {
ct = ovs_ct_find_existing(net, &info->zone, info->family, skb,
!!(key->ct_state &
OVS_CS_F_NAT_MASK));
}

return ct;
}

/* Determine whether skb->_nfct is equal to the result of conntrack lookup. */
static bool skb_nfct_cached(struct net *net,
const struct sw_flow_key *key,
const struct ovs_conntrack_info *info,
struct sk_buff *skb)
{
enum ip_conntrack_info ctinfo;
struct nf_conn *ct;
bool ct_executed = true;

ct = nf_ct_get(skb, &ctinfo);
if (!ct)
    ct = ovs_ct_executed(net, key, info, skb, &ct_executed);
else
    return false;

if (!net_eq(net, read_pnet(&ct->ct_net)))
    return false;
if (!nf_ct_zone_equal_any(info->ct, nf_ct_zone(ct)))
    return false;
if (info->helper) {
    struct nf_conn_help *help;

    help = nf_ct_ext_find(ct, NF_CT_EXT_HELPER);
    if (help && rcu_access_pointer(help->helper) != info->helper)
        return false;
}
/* Force conntrack entry direction to the current packet? */
if (info->force && CTINFO2DIR(ctinfo) != IP_CT_DIR_ORIGINAL) {
    /* Delete the conntrack entry if confirmed, else just release
       the reference.
    */
    if (nf_ct_is_confirmed(ct))
        nf_ct_delete(ct, 0, 0);

    nf_conntack_put(&ct->ct_general);
    nf_ct_set(skb, NULL, 0);
    return false;
}

return ct_executed;
}

#ifdef CONFIG_NF_NAT_NEEDED
    /* Modelled after nf_nat_ipv[46]_fn().
     * range is only used for new, uninitialized NAT state.
     * Returns either NF_ACCEPT or NF_DROP.
     */
    static int ovs_ct_nat_execute(struct sk_buff *skb, struct nf_conn *ct,
        enum ip_conntrack_info ctinfo,
        const struct nf_nat_range2 *range,
        enum nf_nat_manip_type maniptype)
    {
int hooknum, nh_off, err = NF_ACCEPT;

nh_off = skb_network_offset(skb);
skb_pull_rcsum(skb, nh_off);

/* See HOOK2MANIP(). */
if (maniptype == NF_NAT_MANIP_SRC)
hooknum = NF_INET_LOCAL_IN; /* Source NAT */
else
hooknum = NF_INET_LOCAL_OUT; /* Destination NAT */

switch (ctinfo) {
case IP_CT_RELATED:
case IP_CT_RELATED_REPLY:
if (IS_ENABLED(CONFIG_NF_NAT_IPV4) &&
   skb->protocol == htons(ETH_P_IP) &&
   ip_hdr(skb)->protocol == IPPROTO_ICMP) {
   if (!nf_nat_icmp_reply_translation(skb, ct, ctinfo,
       hooknum))
     err = NF_DROP;
   goto push;
} else if (IS_ENABLED(CONFIG_NF_NAT_IPV6) &&
   skb->protocol == htons(ETH_P_IPV6)) {
   __be16 frag_off;
   u8 nexthdr = ipv6_hdr(skb)->nexthdr;
   int hdrlen = ipv6_skip_exthdr(skb,
     sizeof(struct ipv6hdr),
     &nexthdr, &frag_off);

   if (hdrlen >= 0 && nexthdr == IPPROTO_ICMPV6) {
     if (!nf_nat_icmpv6_reply_translation(skb, ct,
         ctinfo,
         hooknum,
         hdrlen))
       err = NF_DROP;
     goto push;
   } } /* Non-ICMP, fall thru to initialize if needed */
case IP_CT_NEW:
/* Seen it before? This can happen for loopback, retrans,
* or local packets.
*/
if (!nf_nat_initialized(ct, maniptype)) {
   /* Initialize according to the NAT action. */
   err = (range && range->flags & NF_NAT_RANGE_MAP_IPS)
     /* Action is set up to establish a new
* mapping.
*/
nf_nat_setup_info(ct, range, maniptype);
    nf_nat_alloc_null_binding(ct, hooknum);
    if (err != NF_ACCEPT)
        goto push;
    break;

    case IP_CT_ESTABLISHED:
    case IP_CT_ESTABLISHED_REPLY:
        break;

    default:
        err = NF_DROP;
        goto push;
    }

    err = nf_nat_packet(ct, ctinfo, hooknum, skb);
    push:
    skb_push(skb, nh_off);
    skb_postpush_rcsum(skb, skb->data, nh_off);

    return err;
}

static void ovs_nat_update_key(struct sw_flow_key *key, const struct sk_buff *skb, enum nf_nat_manip_type maniptype)
{
    if (maniptype == NF_NAT_MANIP_SRC) {
        __be16 src;
        key->ct_state |= OVS_CS_F_SRC_NAT;
        if (key->eth.type == htons(ETH_P_IP))
            key->ipv4.addr.src = ip_hdr(skb)->saddr;
        else if (key->eth.type == htons(ETH_P_IPV6))
            memcpy(&key->ipv6.addr.src, &ipv6_hdr(skb)->saddr, sizeof(key->ipv6.addr.src));
        else
            return;
        if (key->ip.proto == IPPROTO_UDP)
            src = udp_hdr(skb)->source;
        else if (key->ip.proto == IPPROTO_TCP)
            src = tcp_hdr(skb)->source;
        else if (key->ip.proto == IPPROTO_SCTP)
            src = sctp_hdr(skb)->source;
        else
            return;

            /*
             */
            ? nf_nat_setup_info(ct, range, maniptype)
                : nf_nat_alloc_null_binding(ct, hooknum);
            if (err != NF_ACCEPT)
                goto push;
            break;

            case IP_CT_ESTABLISHED:
            case IP_CT_ESTABLISHED_REPLY:
                break;

            default:
                err = NF_DROP;
                goto push;
            }

            err = nf_nat_packet(ct, ctinfo, hooknum, skb);
            push:
            skb_push(skb, nh_off);
            skb_postpush_rcsum(skb, skb->data, nh_off);

            return err;
        }

        static void ovs_nat_update_key(struct sw_flow_key *key, const struct sk_buff *skb, enum nf_nat_manip_type maniptype)
        {
            if (maniptype == NF_NAT_MANIP_SRC) {
                __be16 src;
                key->ct_state |= OVS_CS_F_SRC_NAT;
                if (key->eth.type == htons(ETH_P_IP))
                    key->ipv4.addr.src = ip_hdr(skb)->saddr;
                else if (key->eth.type == htons(ETH_P_IPV6))
                    memcpy(&key->ipv6.addr.src, &ipv6_hdr(skb)->saddr, sizeof(key->ipv6.addr.src));
                else
                    return;

                if (key->ip.proto == IPPROTO_UDP)
                    src = udp_hdr(skb)->source;
                else if (key->ip.proto == IPPROTO_TCP)
                    src = tcp_hdr(skb)->source;
                else if (key->ip.proto == IPPROTO_SCTP)
                    src = sctp_hdr(skb)->source;
                else
                    return;

                    if (key->ip.proto == IPPROTO_UDP)
                        src = udp_hdr(skb)->source;
                    else if (key->ip.proto == IPPROTO_TCP)
                        src = tcp_hdr(skb)->source;
                    else if (key->ip.proto == IPPROTO_SCTP)
                        src = sctp_hdr(skb)->source;
                    else
                        return;
return;

key->tp.src = src;
} else {
    __be16 dst;

    key->ct_state |= OVS_CS_F_DST_NAT;
    if (key->eth.type == ntohs(ETH_P_IP))
        key->ipv4.addr.dst = ip_hdr(skb)->daddr;
    else if (key->eth.type == ntohs(ETH_P_IPV6))
        memcpy(&key->ipv6.addr.dst, &ipv6_hdr(skb)->daddr,
               sizeof(key->ipv6.addr.dst));
    else
        return;

    if (key->ip.proto == IPPROTO_UDP)
        dst = udp_hdr(skb)->dest;
    else if (key->ip.proto == IPPROTO_TCP)
        dst = tcp_hdr(skb)->dest;
    else if (key->ip.proto == IPPROTO_SCTP)
        dst = sctp_hdr(skb)->dest;
    else
        return;

    key->tp.dst = dst;
}
}

/* Returns NF_DROP if the packet should be dropped, NF_ACCEPT otherwise. */
static int ovs_ct_nat(struct net *net, struct sw_flow_key *key,
    const struct ovs_conntrack_info *info,
    struct sk_buff *skb, struct nf_conn *ct,
    enum ip_conntrack_info ctinfo)
{
    enum nf_nat_manip_type maniptype;
    int err;

    #ifdef HAVE_NF_CT_IS_UNTRACKED
    if (nf_ct_is_untracked(ct)) {
        /* A NAT action may only be performed on tracked packets. */
        return NF_ACCEPT;
    }
    #endif /* HAVE_NF_CT_IS_UNTRACKED */

    /* Add NAT extension if not confirmed yet. */
    if (!nf_ct_is_confirmed(ct) && !nf_ct_nat_ext_add(ct))
        return NF_ACCEPT;  /* Can't NAT. */
/* Determine NAT type. * Check if the NAT type can be deduced from the tracked connection. * Make sure new expected connections (IP_CT_RELATED) are NATted only * when committing. */
if (info->nat & OVS_CT_NAT && ctinfo != IP_CT_NEW &&
    ct->status & IPS_NAT_MASK &&
    (ctinfo != IP_CT_RELATED || info->commit)) {
    /* NAT an established or related connection like before. */
if (CTINFO2DIR(ctinfo) == IP_CT_DIR_REPLY)
    /* This is the REPLY direction for a connection * for which NAT was applied in the forward * direction. Do the reverse NAT. */
    maniptype = ct->status & IPS_SRC_NAT
    ? NF_NAT_MANIP_DST : NF_NAT_MANIP_SRC;
else
    maniptype = ct->status & IPS_SRC_NAT
    ? NF_NAT_MANIP_SRC : NF_NAT_MANIP_DST;
else if (info->nat & OVS_CT_SRC_NAT) {
    maniptype = NF_NAT_MANIP_SRC;
} else if (info->nat & OVS_CT_DST_NAT) {
    maniptype = NF_NAT_MANIP_DST;
} else {
    return NF_ACCEPT; /* Connection is not NATed. */
}
err = ovs_ct_nat_execute(skb, ct, ctinfo, &info->range, maniptype);

/* Mark NAT done if successful and update the flow key. */
if (err == NF_ACCEPT)
    ovs_nat_update_key(key, skb, maniptype);
return err;
}
#else /* !CONFIG_NF_NAT_NEEDED */
static int ovs_ct_nat(struct net *net, struct sw_flow_key *key,
                      const struct ovs_conntrack_info *info,
                      struct sk_buff *skb, struct nf_conn *ct,
                      enum ip_conntrack_info ctinfo)
{
    return NF_ACCEPT;
}
#endif

/* Pass `skb' through conntrack in 'net', using zone configured in 'info', if * not done already. Update key with new CT state after passing the packet * through conntrack. * Note that if the packet is deemed invalid by conntrack, skb->nfct will be
static int __ovs_ct_lookup(struct net *net, struct sw_flow_key *key, const struct ovs_contrack_info *info, struct sk_buff *skb) {
    /* If we are recirculating packets to match on contrack fields and
     * committing with a separate contrack action, then we don't need to
     * actually run the packet through contrack twice unless it's for a
     * different zone.
     */
    bool cached = skb_nfct_cached(net, key, info, skb);
    enum ip_contrack_info ctinfo;
    struct nf_conn *ct;

    if (!cached) {
        struct nf_conn *tmpl = info->ct;
        int err;

        /* Associate skb with specified zone. */
        if (tmpl) {
            if (skb_nfct(skb))
                nf_conntrack_put(skb_nfct(skb));
            nf_conntrack_get(&tmpl->ct_general);
            nf_ct_set(skb, tmpl, IP_CT_NEW);
        }

        err = nf_conntrack_in(net, info->family, NF_INET_PRE_ROUTING, skb);
        if (err != NF_ACCEPT)
            return -ENOENT;

        /* Clear CT state NAT flags to mark that we have not yet done
         * NAT after the nf_conntrack_in() call. We can actually clear
         * the whole state, as it will be re-initialized below.
         */
        key->ct_state = 0;

        /* Update the key, but keep the NAT flags. */
        ovs_ct_update_key(skb, info, key, true, true);
    }

    ct = nf_ct_get(skb, &ctinfo);
    if (ct) {
        /* Packets starting a new connection must be NATted before the
         * helper, so that the helper knows about the NAT. We enforce
         * this by delaying both NAT and helper calls for unconfirmed
         * connections until the committing CT action. For later
* packets NAT and Helper may be called in either order.

* NAT will be done only if the CT action has NAT, and only
* once per packet (per zone), as guarded by the NAT bits in
* the key->ct_state.

*/
if (info->nat && !(key->ct_state & OVS_CS_F_NAT_MASK) &&
    (nf_ct_is_confirmed(ct) || info->commit) &&
    ovs_ct_nat(net, key, info, skb, ct, ctinfo) != NF_ACCEPT) {
    return -EINVAL;
}

/* Userspace may decide to perform a ct lookup without a helper
* specified followed by a (recirculate and) commit with one.
* Therefore, for unconfirmed connections which we will commit,
* we need to attach the helper here.
*/
if (!nf_ct_is_confirmed(ct) && info->commit &&
    info->helper && !nfct_help(ct)) {
    int err = __nf_ct_try_assign_helper(ct, info->ct,
            GFP_ATOMIC);
    if (err)
        return err;
}

/* Call the helper only if:
* - nf_conntrack_in() was executed above ("!cached") for a
*   confirmed connection, or
* - When committing an unconfirmed connection.
*/
if ((nf_ct_is_confirmed(ct) ? !cached : info->commit) &&
    ovs_ct_helper(skb, info->family) != NF_ACCEPT) {
    return -EINVAL;
}
return 0;

/* Lookup connection and read fields into key. */
static int ovs_ct_lookup(struct net *net, struct sw_flow_key *key,
                      const struct ovs_conntrack_info *info,
                      struct sk_buff *skb)

    { struct nf_conntrack_expect *exp;

    /* If we pass an expected packet through nf_conntrack_in() the
     * expectation is typically removed, but the packet could still be
* lost in upcall processing. To prevent this from happening we * perform an explicit expectation lookup. Expected connections are * always new, and will be passed through conntrack only when they are * committed, as it is OK to remove the expectation at that time.
  */
  exp = ovs_ct_expect_find(net, &info->zone, info->family, skb);
  if (exp) {
    u8 state;

    /* NOTE: New connections are NATted and Helped only when * committed, so we are not calling into NAT here. * /
    state = OVS_CS_F_TRACKED | OVS_CS_F_NEW | OVS_CS_F_RELATED;
    __ovs_ct_update_key(key, state, &info->zone, exp->master);
  } else {
    struct nf_conn *ct;
    int err;

    err = __ovs_ct_lookup(net, key, info, skb);
    if (err)
      return err;

    ct = (struct nf_conn *)skb_nfct(skb);
    if (ct)
      nf_ct_deliver_cached_events(ct);
  }

  return 0;
}

static bool labels_nonzero(const struct ovs_key_ct_labels *labels)
{
  size_t i;

  for (i = 0; i < OVS_CT_LABELS_LEN_32; i++)
    if (labels->ct_labels_32[i])
      return true;

  return false;
}

#if IS_ENABLED(CONFIG_NETFILTER_CONNCOUNT)
static struct hlist_head *ct_limit_hash_bucket(const struct ovs_ct_limit_info *info, u16 zone)
{
  return &info->limits[zone & (CT_LIMIT_HASH_BUCKETS - 1)];
}
#endif
/* Call with ovs_mutex */
static void ct_limit_set(const struct ovs_ct_limit_info *info, 
struct ovs_ct_limit *new_ct_limit)
{
struct ovs_ct_limit *ct_limit;
struct hlist_head *head;

head = ct_limit_hash_bucket(info, new_ct_limit->zone);
htlist_for_each_entry_rcu(ct_limit, head, hlist_node) {
if (ct_limit->zone == new_ct_limit->zone) {
htlist_replace_rcu(&ct_limit->hlist_node, 
&new_ct_limit->hlist_node);
kfree_rcu(ct_limit, rcu);
return;
}
}

hlist_add_head_rcu(&new_ct_limit->hlist_node, head);
}

/* Call with ovs_mutex */
static void ct_limit_del(const struct ovs_ct_limit_info *info, u16 zone)
{
struct ovs_ct_limit *ct_limit;
struct hlist_head *head;
struct hlist_node *n;

head = ct_limit_hash_bucket(info, zone);
htlist_for_each_entry_safe(ct_limit, n, head, hlist_node) {
if (ct_limit->zone == zone) {
htlist_del_rcu(&ct_limit->hlist_node);
kfree_rcu(ct_limit, rcu);
return;
}
}

/* Call with RCU read lock */
static u32 ct_limit_get(const struct ovs_ct_limit_info *info, u16 zone)
{
struct ovs_ct_limit *ct_limit;
struct hlist_head *head;

head = ct_limit_hash_bucket(info, zone);
htlist_for_each_entry_rcu(ct_limit, head, hlist_node) {
if (ct_limit->zone == zone)
return ct_limit->limit;
}
}
return info->default_limit;
}

static int ovs_ct_check_limit(struct net *net,
   const struct ovs_conntrack_info *info,
   const struct nf_conntrack_tuple *tuple)
{
    struct ovs_net *ovs_net = net_generic(net, ovs_net_id);
    const struct ovs_ct_limit_info *ct_limit_info = ovs_net->ct_limit_info;
    u32 per_zone_limit, connections;
    u32 conncount_key;

    conncount_key = info->zone.id;

    per_zone_limit = ct_limit_get(ct_limit_info, info->zone.id);
    if (per_zone_limit == OVS_CT_LIMIT_UNLIMITED)
        return 0;

    connections = nf_conncount_count(net, ct_limit_info->data,
         &conncount_key, tuple, &info->zone);
    if (connections > per_zone_limit)
        return -ENOMEM;

    return 0;
}
#endif

/* Lookup connection and confirm if unconfirmed. */
static int ovs_ct_commit(struct net *net, struct sw_flow_key *key,
                        const struct ovs_conntrack_info *info,
                        struct sk_buff *skb)
{
    enum ip_conntrack_info ctinfo;
    struct nf_conn *ct;
    int err;

    err = __ovs_ct_lookup(net, key, info, skb);
    if (err)
        return err;

    /* The connection could be invalid, in which case this is a no-op. */
    ct = nf_ct_get(skb, &ctinfo);
    if (!ct)
        return 0;

    #if IS_ENABLED(CONFIG_NETFILTER_CONNCOUNT)
    if (static_branch_unlikely(&ovs_ct_limit_enabled)) {

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if (!nf_ct_is_confirmed(ct)) {
  err = ovs_ct_check_limit(net, info, 
    &ct->tuplehash[IP_CT_DIR_ORIGINAL].tuple);
  if (err) {
    net_warn_ratelimited("openvswitch: zone: %u 
    "exceeds conntrack limit\n", 
      info->zone.id);
    return err;
  }
}
}
#endif

/* Set the conntrack event mask if given.  NEW and DELETE events have 
* their own groups, but the NFNLGRP_CONNTRACK_UPDATE group listener 
* typically would receive many kinds of updates.  Setting the event 
* mask allows those events to be filtered.  The set event mask will 
* remain in effect for the lifetime of the connection unless changed 
* by a further CT action with both the commit flag and the eventmask 
* option.  */
if (info->have_eventmask) {
  struct nf_conntrack_ecache *cache = nf_ct_ecache_find(ct);

  if (cache)
    cache->ctmask = info->eventmask;
}

/* Apply changes before confirming the connection so that the initial 
* conntrack NEW netlink event carries the values given in the CT 
* action.  */
if (info->mark.mask) {
  err = ovs_ct_set_mark(ct, key, info->mark.value, 
    info->mark.mask);
  if (err)
    return err;
}
if (!nf_ct_is_confirmed(ct)) {
  err = ovs_ct_init_labels(ct, key, &info->labels.value, 
    &info->labels.mask);
  if (err)
    return err;
  } else if (labels_nonzero(&info->labels.mask)) {
  err = ovs_ct_set_labels(ct, key, &info->labels.value, 
    &info->labels.mask);
  if (err)
    return err;
}
if (nf_conntrack_confirm(skb) != NF_ACCEPT)
    return -EINVAL;

return 0;
}

/* Trim the skb to the length specified by the IP/IPv6 header,
 * removing any trailing lower-layer padding. This prepares the skb
 * for higher-layer processing that assumes skb->len excludes padding
 * (such as nf_ip_checksum). The caller needs to pull the skb to the
 * network header, and ensure ip_hdr/ipv6_hdr points to valid data.
 */
static int ovs_skb_network_trim(struct sk_buff *skb)
{
    unsigned int len;
    int err;

    switch (skb->protocol) {
        case htons(ETH_P_IP):
            len = ntohs(ip_hdr(skb)->tot_len);
            break;
        case htons(ETH_P_IPV6):
            len = sizeof(struct ipv6hdr)
                + ntohs(ipv6_hdr(skb)->payload_len);
            break;
        default:
            len = skb->len;
            break;
    }

    err = pskb_trim_rcsum(skb, len);
    if (err)
        kfree_skb(skb);

    return err;
}

int ovs_ct_execute(struct net *net, struct sk_buff *skb,
                    struct sw_flow_key *key,
                    const struct ovs_conntrack_info *info)
{
    int nh_ofs;
    int err;

    /* This will take care of sending queued events even if the connection
     * is already confirmed.
     */
    if (nf_conntrack_confirm(skb) != NF_ACCEPT)
        return -EINVAL;

    return 0;
}
/* The conntrack module expects to be working at L3. */

nh_ofs = skb_network_offset(skb);
skb_pull_rcsum(skb, nh_ofs);

err = ovs_skb_network_trim(skb);
if (err)
    return err;

if (key->ip.frag != OVS_FRAG_TYPE_NONE) {
    err = handle_fragments(net, key, info->zone.id, skb);
    if (err)
        return err;
}

if (info->commit)
    err = ovs_ct_commit(net, key, info, skb);
else
    err = ovs_ct_lookup(net, key, info, skb);

skb_push(skb, nh_ofs);
skb_postpush_rcsum(skb, skb->data, nh_ofs);
if (err)
    kfree_skb(skb);
return err;

int ovs_ct_clear(struct sk_buff *skb, struct sw_flow_key *key)
{
    if (skb_nfct(skb)) {
        nf_conntrack_put(skb_nfct(skb));
        #ifdef HAVE_IP_CT_UNTRACKED
        nf_ct_set(skb, NULL, IP_CT_UNTRACKED);
        #else
        nf_ct_set(skb, NULL, 0);
        #endif
        ovs_ct_fill_key(skb, key);
    }

    return 0;
}

static int ovs_ct_add_helper(struct ovs_conntrack_info *info, const char *name,
    const struct sw_flow_key *key, bool log)
{
    struct nf_conntrack_helper *helper;
    struct nf_conn_help *help;
helper = nf_conntrack_helper_try_module_get(name, info->family, 
    key->ip.proto);
if (!helper) {
    OVS_NLERR(log, "Unknown helper \""%s\"\", name);
    return -EINVAL;
}

help = nf_ct_helper_ext_add(info->ct, helper, GFP_KERNEL);
if (!help) {
    nf_conntrack_helper_put(helper);
    return -ENOMEM;
}

rcu_assign_pointer(help->helper, helper);
info->helper = helper;
return 0;
}

#ifdef CONFIG_NF_NAT_NEEDED
static int parse_nat(const struct nlattr *attr,
    struct ovs_conntrack_info *info, bool log)
{
    struct nlattr *a;
    int rem;
    bool have_ip_max = false;
    bool have_proto_max = false;
    bool ip_vers = (info->family == NFPROTO_IPV6);

    nla_for_each_nested(a, attr, rem) {
        static const int ovs_nat_attr_lens[OVS_NAT_ATTR_MAX + 1][2] = {
            [OVS_NAT_ATTR_SRC] = {0, 0},
            [OVS_NAT_ATTR_DST] = {0, 0},
            [OVS_NAT_ATTR_IP_MIN] = {sizeof(struct in_addr),
                sizeof(struct in6_addr)},
            [OVS_NAT_ATTR_IP_MAX] = {sizeof(struct in_addr),
                sizeof(struct in6_addr)},
            [OVS_NAT_ATTR_PROTO_MIN] = {sizeof(u16), sizeof(u16)},
            [OVS_NAT_ATTR_PROTO_MAX] = {sizeof(u16), sizeof(u16)},
            [OVS_NAT_ATTR_PERSISTENT] = {0, 0},
            [OVS_NAT_ATTR_PROTO_HASH] = {0, 0},
            [OVS_NAT_ATTR_PROTO_RANDOM] = {0, 0},
        };
        int type = nla_type(a);

        if (type > OVS_NAT_ATTR_MAX) {
            OVS_NLERR(log, "Unknown NAT attribute (type=%d, max=%d)",
                type, OVS_NAT_ATTR_MAX);
            return -EINVAL;
        }

        if (type == OVS_NAT_ATTR_PROTO_MIN) {
            return -EINVAL;
        }

        if (type == OVS_NAT_ATTR_PROTO_MAX) {
            return -EINVAL;
        }

        if (type == OVS_NAT_ATTR_PERSISTENT) {
            if (nla_get_len(a) != sizeof(u32)) {
                return -EINVAL;
            }

            info->nat_persistent = ntohl(nla_get_data(a));
        }

        if (type == OVS_NAT_ATTR_IP_MIN) {
            if (nla_get_len(a) != sizeof(struct in_addr)) {
                return -EINVAL;
            }

            info->nat_ip_min = (struct in_addr *)nla_get_data(a);
        }

        if (type == OVS_NAT_ATTR_IP_MAX) {
            if (nla_get_len(a) != sizeof(struct in6_addr)) {
                return -EINVAL;
            }

            info->nat_ip_max = (struct in6_addr *)nla_get_data(a);
        }

        if (type == OVS_NAT_ATTR_PROTO_HASH) {
            if (nla_get_len(a) != sizeof(u8)) {
                return -EINVAL;
            }

            info->nat_proto_hash = nla_get_data(a);
        }

        if (type == OVS_NAT_ATTR_PROTO_RANDOM) {
            if (nla_get_len(a) != sizeof(u8)) {
                return -EINVAL;
            }

            info->nat_proto_random = nla_get_data(a);
        }
    }

    return 0;
}
#endif
if (nla_len(a) != ovs_nat_attr_lens[type][ip_vers]) {
    OVS_NLERR(log, "NAT attribute type %d has unexpected length (%d != %d)",
              type, nla_len(a),
              ovs_nat_attr_lens[type][ip_vers]);
    return -EINVAL;
}

switch (type) {
    case OVS_NAT_ATTR_SRC:
    case OVS_NAT_ATTR_DST:
        if (info->nat) {
            OVS_NLERR(log, "Only one type of NAT may be specified");
            return -ERANGE;
        }
        info->nat |= OVS_CT_NAT;
        info->nat |= ((type == OVS_NAT_ATTR_SRC)
            ? OVS_CT_SRC_NAT : OVS_CT_DST_NAT);
        break;
    case OVS_NAT_ATTR_IP_MIN:
        nla_memcpym(&info->range.min_addr, a,
                     sizeof(info->range.min_addr));
        info->range.flags |= NF_NAT_RANGE_MAP_IPS;
        break;
    case OVS_NAT_ATTR_IP_MAX:
        have_ip_max = true;
        nla_memcpym(&info->range.max_addr, a,
                     sizeof(info->range.max_addr));
        info->range.flags |= NF_NAT_RANGE_MAP_IPS;
        break;
    case OVS_NAT_ATTR_PROTO_MIN:
        info->range.min_proto.all = htons(nla_get_u16(a));
        info->range.flags |= NF_NAT_RANGE_PROTO_SPECIFIED;
        break;
    case OVS_NAT_ATTR_PROTO_MAX:
        have_proto_max = true;
        info->range.max_proto.all = htons(nla_get_u16(a));
        info->range.flags |= NF_NAT_RANGE_PROTO_SPECIFIED;
        break;
    case OVS_NAT_ATTR_PERSISTENT:
        info->range.flags |= NF_NAT_RANGE_PERSISTENT;
        break;
}
case OVS_NAT_ATTR_PROTO_HASH:
    info->range.flags |= NF_NAT_RANGE_PROTO_RANDOM;
    break;

case OVS_NAT_ATTR_PROTO_RANDOM:
    #ifdef NF_NAT_RANGE_PROTO_RANDOM_FULLY
        info->range.flags |= NF_NAT_RANGE_PROTO_RANDOM_FULLY;
    #else
        info->range.flags |= NF_NAT_RANGE_PROTO_RANDOM;
        info->random_fully_compat = true;
    #endif
    break;

default:
    OVS_NLERR(log, "Unknown nat attribute (%d)", type);
    return -EINVAL;

if (rem > 0) {
    OVS_NLERR(log, "NAT attribute has %d unknown bytes", rem);
    return -EINVAL;
}

if (!info->nat) {
    /* Do not allow flags if no type is given. */
    if (info->range.flags) {
        OVS_NLERR(log,
            "NAT flags may be given only when NAT range (SRC or DST) is also specified.
        ");
        return -EINVAL;
    }
    info->nat = OVS_CT_NAT; /* NAT existing connections. */
} else if (!info->commit) {
    OVS_NLERR(log,
        "NAT attributes may be specified only when CT COMMIT flag is also specified.
    ");
    return -EINVAL;
}

    /* Allow missing IP_MAX. */
    if (info->range.flags & NF_NAT_RANGE_MAP_IPS && !have_ip_max) {
        memcpy(&info->range.max_addr, &info->range.min_addr,
               sizeof(info->range.max_addr));
    }

    /* Allow missing PROTO_MAX. */
    if (info->range.flags & NF_NAT_RANGE_PROTO_SPECIFIED &&
        !have_proto_max) {
        info->range.max_proto.all = info->range.min_proto.all;
static const struct ovs_ct_len_tbl ovs_ct_attr_lens[OVS_CT_ATTR_MAX + 1] = {
    [OVS_CT_ATTR_COMMIT] = { .minlen = 0, .maxlen = 0 },
    [OVS_CT_ATTR_FORCE_COMMIT] = { .minlen = 0, .maxlen = 0 },
    [OVS_CT_ATTR_ZONE] = { .minlen = sizeof(u16),
                           .maxlen = sizeof(u16) },
    [OVS_CT_ATTR_MARK] = { .minlen = sizeof(struct md_mark),
                           .maxlen = sizeof(struct md_mark) },
    [OVS_CT_ATTR_LABELS] = { .minlen = sizeof(struct md_labels),
                            .maxlen = sizeof(struct md_labels) },
    [OVS_CT_ATTR_HELPER] = { .minlen = 1,
                            .maxlen = NF_CT_HELPER_NAME_LEN },
    #ifdef CONFIG_NF_NAT_NEEDED
    /* NAT length is checked when parsing the nested attributes. */
    [OVS_CT_ATTR_NAT] = { .minlen = 0, .maxlen = INT_MAX },
    #endif
    [OVS_CT_ATTR_EVENTMASK] = { .minlen = sizeof(u32),
                             .maxlen = sizeof(u32) },
};

static int parse_ct(const struct nlattr *attr, struct ovs_conntrack_info *info, const char **helper, bool log) {
    struct nlattr *a;
    int rem;

    nla_for_each_nested(a, attr, rem) {
        int type = nla_type(a);
        int maxlen;
        int minlen;

        if (type > OVS_CT_ATTR_MAX) {
            OVS_NLERR(log,
                      "Unknown conntrack attr (type=%d, max=%d)",
                      type, OVS_CT_ATTR_MAX);
            return -EINVAL;
        }

        maxlen = ovs_ct_attr_lens[type].maxlen;
        minlen = ovs_ct_attr_lens[type].minlen;
        if (nla_len(a) < minlen || nla_len(a) > maxlen) {
            OVS_NLERR(log,
                      "Conntrack attr type has unexpected length (type=%d, length=%d, expected=%d)",
                      type, nla_len(a), maxlen);
        }
    }
}

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return -EINVAL;
}

switch (type) {
    case OVS_CT_ATTR_FORCE_COMMIT:
        info->force = true;
        /* fall through. */
    case OVS_CT_ATTR_COMMIT:
        info->commit = true;
        break;
    #ifdef CONFIG_NF_CONNTRACK_ZONES
        case OVS_CT_ATTR_ZONE:
            info->zone.id = nla_get_u16(a);
            break;
    #endif
    #ifdef CONFIG_NF_CONNTRACK_MARK
        case OVS_CT_ATTR_MARK:
            struct md_mark *mark = nla_data(a);
            
            if (!mark->mask) {
                OVS_NLERR(log, "ct_mark mask cannot be 0");
                return -EINVAL;
            }
            info->mark = *mark;
            break;
        }
    #endif
    #ifdef CONFIG_NF_CONNTRACK_LABELS
        case OVS_CT_ATTR_LABELS:
            struct md_labels *labels = nla_data(a);
            
            if (!labels_nonzero(&labels->mask)) {
                OVS_NLERR(log, "ct_labels mask cannot be 0");
                return -EINVAL;
            }
            info->labels = *labels;
            break;
        }
    #endif
    case OVS_CT_ATTR_HELPER:
        *helper = nla_data(a);
        if (!memchr(*helper, '\0', nla_len(a))) {
            OVS_NLERR(log, "Invalid conntrack helper");
            return -EINVAL;
        }
        break;
    #ifdef CONFIG_NF_NAT_NEEDED
        case OVS_CT_ATTR_NAT:
            
            Open Source Used In Cisco Container Platform 6.1.03702
int err = parse_nat(a, info, log);

if (err)
    return err;
break;
}
#endif

case OVS_CT_ATTR_EVENTMASK:
    info->have_eventmask = true;
    info->eventmask = nla_get_u32(a);
    break;

default:
    OVS_NLERR(log, "Unknown conntrack attr (%d)",
        type);
    return -EINVAL;
}

#elif defined CONFIG_NF_CONNTRACK_MARK
if (!info->commit && info->mark.mask) {
    OVS_NLERR(log,
        "Setting conntrack mark requires 'commit' flag.");
    return -EINVAL;
}
#endif

#elif defined CONFIG_NF_CONNTRACK_LABELS
if (!info->commit && labels_nonzero(&info->labels.mask)) {
    OVS_NLERR(log,
        "Setting conntrack labels requires 'commit' flag.");
    return -EINVAL;
}
#endif

if (rem > 0) {
    OVS_NLERR(log, "Conntrack attr has %d unknown bytes", rem);
    return -EINVAL;
}

return 0;
}

bool ovs_ct_verify(struct net *net, enum ovs_key_attr attr) {
    if (attr == OVS_KEY_ATTR_CT_STATE)
        return true;
    if (IS_ENABLED(CONFIG_NF_CONNTRACK_ZONES) &&
        attr == OVS_KEY_ATTR_CT_ZONE)
        return true;
if (IS_ENABLED(CONFIG_NF_CONNTRACK_MARK) &&
    attr == OVS_KEY_ATTR_CT_MARK)
return true;
if (IS_ENABLED(CONFIG_NF_CONNTRACK_LABELS) &&
    attr == OVS_KEY_ATTR_CT_LABELS) {
struct ovs_net *ovs_net = net_generic(net, ovs_net_id);

return ovs_net->xt_label;
}

return false;

}

int ovs_ct_copy_action(struct *net, const struct nlattr *attr,
    const struct sw_flow_key *key,
    struct sw_flow_actions **sfa,  bool log)
{
    struct ovs_conntrack_info ct_info;
    const char *helper = NULL;
    u16 family;
    int err;

    family = key_to_nfproto(key);
    if (family == NFPROTO_UNSPEC) {
OVS_NLERR(log, "ct family unspecified");
return -EINVAL;
    }

    memset(&ct_info, 0, sizeof(ct_info));
    ct_info.family = family;
    nf_ct_zone_init(&ct_info.zone, NF_CT_DEFAULT_ZONE_ID,
        NF_CT_DEFAULT_ZONE_DIR, 0);

    err = parse_ct(attr, &ct_info, &helper, log);
    if (err)
return err;

    /* Set up template for tracking connections in specific zones. */
    ct_info.ct = nf_ct_tmpl_alloc(net, &ct_info.zone, GFP_KERNEL);
    if (!ct_info.ct) {
OVS_NLERR(log, "Failed to allocate conntrack template");
return -ENOMEM;
    }

    __set_bit(IPS_CONFIRMED_BIT, &ct_info.ct->status);
    nf_conntrack_get(&ct_info.ct->ct_general);
if (helper) {
    err = ovs_ct_add_helper(&ct_info, helper, key, log);
    if (err)
        goto err_free_ct;
}

err = ovs_nla_add_action(sfa, OVS_ACTION_ATTR_CT, &ct_info, sizeof(ct_info), log);
if (err)
    goto err_free_ct;
return 0;
err_free_ct:
    __ovs_ct_free_action(&ct_info);
    return err;
}

#ifdef CONFIG_NF_NAT_NEEDED
static bool ovs_ct_nat_to_attr(const struct ovs_conntrack_info *info, struct sk_buff *skb)
{
    struct nlattr *start;
    start = nla_nest_start(skb, OVS_CT_ATTR_NAT);
    if (!start)
        return false;
    if (info->nat & OVS_CT_SRC_NAT) {
        if (nla_put_flag(skb, OVS_NAT_ATTR_SRC))
            return false;
    } else if (info->nat & OVS_CT_DST_NAT) {
        if (nla_put_flag(skb, OVS_NAT_ATTR_DST))
            return false;
    } else {
        goto out;
    }
    if (info->range.flags & NF_NAT_RANGE_MAP_IPS) {
        if (IS_ENABLED(CONFIG_NF_NAT_IPV4) &&
            info->family == NFPROTO_IPV4) {
            if (nla_put_in_addr(skb, OVS_NAT_ATTR_IP_MIN, info->range.min_addr.ip) ||
                (info->range.max_addr.ip != info->range.min_addr.ip &&
                (nla_put_in_addr(skb, OVS_NAT_ATTR_IP_MAX, info->range.max_addr.ip))))
                return false;
        } else if (IS_ENABLED(CONFIG_NF_NAT_IPV6) &&
info->family == NFPROTO_IPV6) {
    if (nla_put_in6_addr(skb, OVS_NAT_ATTR_IP_MIN,
        &info->range.min_addr.in6) ||
        (memcmp(&info->range.max_addr.in6,
            &info->range.min_addr.in6,
            sizeof(info->range.max_addr.in6)) &&
        (nla_put_in6_addr(skb, OVS_NAT_ATTR_IP_MAX,
            &info->range.max_addr.in6)))
        return false;
    } else {
        return false;
    }
}

if (info->range.flags & NF_NAT_RANGE_PROTO_SPECIFIED &&
    (nla_put_u16(skb, OVS_NAT_ATTR_PROTO_MIN,
        ntohss(info->range.min_proto.all)) ||
    (info->range.max_proto.all != info->range.min_proto.all &&
     nla_put_u16(skb, OVS_NAT_ATTR_PROTO_MAX,
        ntohss(info->range.max_proto.all))))
    return false;

if (info->range.flags & NF_NAT_RANGE_PERSISTENT &&
    nla_put_flag(skb, OVS_NAT_ATTR_PERSISTENT))
    return false;

if (info->range.flags & NF_NAT_RANGE_PROTO_RANDOM &&
    nla_put_flag(skb, info->random_fully_compat
    ? OVS_NAT_ATTR_PROTO_RANDOM
    : OVS_NAT_ATTR_PROTO_HASH))
    return false;
#ifdef NF_NAT_RANGE_PROTO_RANDOM_FULLY
if (info->range.flags & NF_NAT_RANGE_PROTO_RANDOM_FULLY &&
    nla_put_flag(skb, OVS_NAT_ATTR_PROTO_RANDOM_FULLY)
    return false;
#endif
out:
    nla_nest_end(skb, start);

return true;
}
#endif

int ovs_ct_action_to_attr(const struct ovs_conntrack_info *ct_info,
    struct sk_buff *skb)
{
    struct nlattr *start;

    start = nla_nest_start(skb, OVS_ACTION_ATTR_CT);
    if (!start)
return -EMSGSIZE;

if (ct_info->commit && nla_put_flag(skb, ct_info->force
     ? OVS_CT_ATTR_FORCE_COMMIT
       : OVS_CT_ATTR_COMMIT))
    return -EMSGSIZE;

if (IS_ENABLED(CONFIG_NF_CONNTRACK_ZONES) &&
    nla_put_u16(skb, OVS_CT_ATTR_ZONE, ct_info->zone.id))
    return -EMSGSIZE;

if (IS_ENABLED(CONFIG_NF_CONNTRACK_MARK) && ct_info->mark.mask &&
    nla_put(skb, OVS_CT_ATTR_MARK, sizeof(ct_info->mark),
           &ct_info->mark))
    return -EMSGSIZE;

if (IS_ENABLED(CONFIG_NF_CONNTRACK_LABELS) &&
    labels_nonzero(&ct_info->labels.mask) &&
    nla_put(skb, OVS_CT_ATTR_LABELS, sizeof(ct_info->labels),
            &ct_info->labels))
    return -EMSGSIZE;

if (ct_info->helper) {
    if (nla_put_string(skb, OVS_CT_ATTR_HELPER,
                        ct_info->helper->name))
        return -EMSGSIZE;
}

if (ct_info->have_eventmask &&
    nla_put_u32(skb, OVS_CT_ATTR_EVENTMASK, ct_info->eventmask))
    return -EMSGSIZE;

#ifdef CONFIG_NF_NAT_NEEDED
    if (ct_info->nat && !ovs_ct_nat_to_attr(ct_info, skb))
        return -EMSGSIZE;
#endif

nla_nest_end(skb, start);

return 0;
}

void ovs_ct_free_action(const struct nlattr *a)
{
    struct ovs_conntrack_info *ct_info = nla_data(a);

    __ovs_ct_free_action(ct_info);
}

static void __ovs_ct_free_action(struct ovs_conntrack_info *ct_info)
{
    if (ct_info->helper)
        nf_conntrack_helper_put(ct_info->helper);
    if (ct_info->ct)
nf_ct_tmpl_free(ct_info->ct);
}

#if IS_ENABLED(CONFIG_NETFILTER_CONNCOUNT)
static int ovs_ct_limit_init(struct net *net, struct ovs_net *ovs_net)
{
  int i, err;

  ovs_net->ct_limit_info = kmalloc(sizeof(*ovs_net->ct_limit_info),
                                 GFP_KERNEL);
  if (!ovs_net->ct_limit_info)
    return -ENOMEM;

  ovs_net->ct_limit_info->default_limit = OVS_CT_LIMIT_DEFAULT;
  ovs_net->ct_limit_info->limits =
    kmalloc_array(CT_LIMIT_HASH_BUCKETS, sizeof(struct hlist_head),
                  GFP_KERNEL);
  if (!ovs_net->ct_limit_info->limits) {
    kfree(ovs_net->ct_limit_info);
    return -ENOMEM;
  }

  for (i = 0; i < CT_LIMIT_HASH_BUCKETS; i++)
    INIT_HLIST_HEAD(&ovs_net->ct_limit_info->limits[i]);

  ovs_net->ct_limit_info->data =
    nf_conncount_init(net, NFPROTO_INET, sizeof(u32));

  if (IS_ERR(ovs_net->ct_limit_info->data)) {
    err = PTR_ERR(ovs_net->ct_limit_info->data);
    kfree(ovs_net->ct_limit_info->limits);
    kfree(ovs_net->ct_limit_info);
    pr_err("openvswitch: failed to init nf_conncount %d\n", err);
    return err;
  }

  return 0;
}

static void ovs_ct_limit_exit(struct net *net, struct ovs_net *ovs_net)
{
  const struct ovs_ct_limit_info *info = ovs_net->ct_limit_info;
  int i;

  nf_conncount_destroy(net, NFPROTO_INET, info->data);
  for (i = 0; i < CT_LIMIT_HASH_BUCKETS; ++i) {
    struct hlist_head *head = &info->limits[i];
    struct ovs_ct_limit *ct_limit;
hlist_for_each_entry_rcu(ct_limit, head, hlist_node)
kfree_rcu(ct_limit, rcu);
}
kfree(ovs_net->ct_limit_info->limits);
kfree(ovs_net->ct_limit_info);
}

static struct sk_buff *
ovs_ct_limit_cmd_reply_start(struct genl_info *info, u8 cmd,
                        struct ovs_header **ovs_reply_header)
{
struct ovs_header *ovs_header = info->userhdr;
struct sk_buff *skb;

skb = genlmsg_new(NLMSG_DEFAULT_SIZE, GFP_KERNEL);
if (!skb)
    return ERR_PTR(-ENOMEM);
*ovs_reply_header = genlmsg_put(skb, info->snd_portid,
                        info->snd_seq,
                        &dp_ct_limit_genl_family, 0, cmd);

if (!*ovs_reply_header) {
    nlmsg_free(skb);
    return ERR_PTR(-EMSGSIZE);
}
(*ovs_reply_header)->dp_ifindex = ovs_header->dp_ifindex;

return skb;
}

static bool check_zone_id(int zone_id, u16 *pzone)
{
    if (zone_id >= 0 && zone_id <= 65535) {
        *pzone = (u16)zone_id;
        return true;
    }
    return false;
}

static int ovs_ct_limit_set_zone_limit(struct nlattr *nla_zone_limit,
                        struct ovs_ct_limit_info *info)
{
struct ovs_zone_limit *zone_limit;
int rem;
u16 zone;

rem = NLA_ALIGN(nla_len(nla_zone_limit));
zone_limit = (struct ovs_zone_limit *)nla_data(nla_zone_limit);

while (rem >= sizeof(*zone_limit)) {
  if (unlikely(zone_limit->zone_id == OVS_ZONE_LIMIT_DEFAULT_ZONE)) {
    ovs_lock();
    info->default_limit = zone_limit->limit;
    ovs_unlock();
  } else if (unlikely(!check_zone_id(
      zone_limit->zone_id, &zone))) {
    OVS_NLERR(true, "zone id is out of range");
  } else {
    struct ovs_ct_limit *ct_limit;

    ct_limit = kmalloc(sizeof(*ct_limit), GFP_KERNEL);
    if (!ct_limit)
      return -ENOMEM;

    ct_limit->zone = zone;
    ct_limit->limit = zone_limit->limit;

    ovs_lock();
    ct_limit_set(info, ct_limit);
    ovs_unlock();
  }
  rem -= NLA_ALIGN(sizeof(*zone_limit));
}

if (rem)
  OVS_NLERR(true, "set zone limit has %d unknown bytes", rem);

return 0;
}

static int ovs_ct_limit_del_zone_limit(struct nlattr *nla_zone_limit, struct ovs_ct_limit_info *info)
{
  struct ovs_zone_limit *zone_limit;
  int rem;
  u16 zone;

  rem = NLA_ALIGN(nla_len(nla_zone_limit));
  zone_limit = (struct ovs_zone_limit *)nla_data(nla_zone_limit);

  while (rem >= sizeof(*zone_limit)) {
    if (unlikely(zone_limit->zone_id ==
OVS_ZONE_LIMIT_DEFAULT_ZONE)) {
  ovs_lock();
  info->default_limit = OVS_CT_LIMIT_DEFAULT;
  ovs_unlock();
} else if (unlikely(!check_zone_id(
zone_limit->zone_id, &zone))) {
  OVS_NLERR(true, "zone id is out of range");
} else {
  ovs_lock();
c_t_limit_del(info, zone);
  ovs_unlock();
}
rem -= NLA_ALIGN(sizeof(*zone_limit));
zone_limit = (struct ovs_zone_limit *)((u8 *)zone_limit +
NLA_ALIGN(sizeof(*zone_limit)));
}
if (rem)
OVS_NLERR(true, "del zone limit has %d unknown bytes", rem);
return 0;
}
static int ovs_ct_limit_get_default_limit(struct ovs_ct_limit_info *info,
    struct sk_buff *reply)
{
  struct ovs_zone_limit zone_limit;
  int err;

  zone_limit.zone_id = OVS_ZONE_LIMIT_DEFAULT_ZONE;
  zone_limit.limit = info->default_limit;
  err = nla_put_nohdr(reply, sizeof(zone_limit), &zone_limit);
  if (err)
    return err;
return 0;
}
static int __ovs_ct_limit_get_zone_limit(struct net *net,
    struct nf_conncount_data *data,
    u16 zone_id, u32 limit,
    struct sk_buff *reply)
{
  struct nf_conntrack_zone ct_zone;
  struct ovs_zone_limit zone_limit;
  u32 conncount_key = zone_id;

  zone_limit.zone_id = zone_id;
zone_limit.limit = limit;
nf_ct_zone_init(&ct_zone, zone_id, NF_CT_DEFAULT_ZONE_DIR, 0);
zone_limit.count = nf_conncount_count(net, &conncount_key, NULL, 
&ct_zone);
return nla_put_nohdr(reply, sizeof(zone_limit), &zone_limit);
}

static int ovs_ct_limit_get_zone_limit(struct net *net, 
    struct nlattr *nla_zone_limit, 
    struct ovs_ct_limit_info *info, 
    struct sk_buff *reply) {
    struct ovs_zone_limit *zone_limit;
    int rem, err;
    u32 limit;
    u16 zone;

    rem = NLA_ALIGN(nla_len(nla_zone_limit));
    zone_limit = (struct ovs_zone_limit *)nla_data(nla_zone_limit);

    while (rem >= sizeof(*zone_limit)) {
        if (unlikely(zone_limit->zone_id == OVS_ZONE_LIMIT_DEFAULT_ZONE)) {
            err = ovs_ct_limit_get_default_limit(info, reply);
            if (err)
                return err;
        } else if (unlikely(!check_zone_id(zone_limit->zone_id, 
            &zone))) {
            OVS_NLERR(true, "zone id is out of range");
        } else {
            rcu_read_lock();
            limit = ct_limit_get(info, zone);
            rcu_read_unlock();

            err = __ovs_ct_limit_get_zone_limit(
                net, info->data, zone, limit, reply);
            if (err)
                return err;

            rem -= NLA_ALIGN(sizeof(*zone_limit));
            zone_limit = (struct ovs_zone_limit *)
                (u8 *)zone_limit + NLA_ALIGN(sizeof(*zone_limit));
        }
    }
    if (rem)
        OVS_NLERR(true, "get zone limit has %d unknown bytes", rem);
static int ovs_ct_limit_get_all_zone_limit(struct net *net,
   struct ovs_ct_limit_info *info,
   struct sk_buff *reply)
{
    struct ovs_ct_limit *ct_limit;
    struct hlist_head *head;
    int i, err = 0;

    err = ovs_ct_limit_get_default_limit(info, reply);
    if (err)
        return err;

rcu_read_lock();
    for (i = 0; i < CT_LIMIT_HASH_BUCKETS; ++i) {
        head = &info->limits[i];
        hlist_for_each_entry_rcu(ct_limit, head, hlist_node) {
            err = __ovs_ct_limit_get_zone_limit(net, info->data,
                ct_limit->zone, ct_limit->limit, reply);
            if (err)
                goto exit_err;
        }
    }
exit_err:
    rcu_read_unlock();
    return err;
}

static int ovs_ct_limit_cmd_set(struct sk_buff *skb, struct genl_info *info)
{
    struct nlattr **a = info->attrs;
    struct sk_buff *reply;
    struct ovs_header *ovs_reply_header;
    struct ovs_net *ovs_net = net_generic(sock_net(skb->sk), ovs_net_id);
    struct ovs_ct_limit_info *ct_limit_info = ovs_net->ct_limit_info;
    int err;

    reply = ovs_ct_limit_cmd_reply_start(info, OVS_CT_LIMIT_CMD_SET,
        &ovs_reply_header);
    if (IS_ERR(reply))
        return PTR_ERR(reply);
    if (!a[OVS_CT_LIMIT_ATTR_ZONE_LIMIT]) {
        err = -EINVAL;
        goto exit_err;
    }

    reply = ovs_ct_limit_cmd_reply_set_start(info, OVS_CT_LIMIT_CMD_SET, ct_limit_info,
        reply);
    if (IS_ERR(reply))
        return PTR_ERR(reply);

    err = ovs_ct_limit(cmd_reply_set_end(info));
    if (err)
        goto exit_err;

exit_err:
    return err;
}
err = ovs_ct_limit_set_zone_limit(a[OVS_CT_LIMIT_ATTR_ZONE_LIMIT],
    ct_limit_info);
if (err)
go to exit_err;

static_branch_enable(&ovs_ct_limit_enabled);

genlmsg_end(reply, ovs_reply_header);
return genlmsg_reply(reply, info);

exit_err:
nlmsg_free(reply);
return err;

}
static int ovs_ct_limit_cmd_get(struct sk_buff *skb, struct genl_info *info)
{
    struct nlattr **a = info->attrs;
    struct nlattr *nla_reply;
    struct sk_buff *reply;
    struct ovs_header *ovs_reply_header;
    struct sk_buff *reply;
    struct ovs_header *ovs_reply_header;
    struct net *net = sock_net(skb->sk);
    struct ovs_net *ovs_net = net_generic(net, ovs_net_id);
    struct ovs_ct_limit_info *ct_limit_info = ovs_net->ct_limit_info;
    int err;

    reply = ovs_ct_limit_cmd_reply_start(info, OVS_CT_LIMIT_CMD_GET,
                                          &ovs_reply_header);
    if (IS_ERR(reply))
        return PTR_ERR(reply);
    nla_reply = nla_nest_start(reply, OVS_CT_LIMIT_ATTR_ZONE_LIMIT);
    if (a[OVS_CT_LIMIT_ATTR_ZONE_LIMIT]) {
        err = ovs_ct_limit_get_zone_limit(
            net, a[OVS_CT_LIMIT_ATTR_ZONE_LIMIT], ct_limit_info,
            reply);
        if (err)
            goto exit_err;
    } else {
        err = ovs_ct_limit_get_all_zone_limit(net, ct_limit_info,
                                              reply);
        if (err)
            goto exit_err;
    }

    nla_nest_end(reply, nla_reply);
    genlmsg_end(reply, ovs_reply_header);
    return genlmsg_reply(reply, info);

exit_err:
    nlmsg_free(reply);
    return err;
}

static struct genl_ops ct_limit_genl_ops[] = {
    { .cmd = OVS_CT_LIMIT_CMD_SET,
      .flags = GENL_ADMIN_PERM, /* Requires CAP_NET_ADMIN
                                * privilege. */
      .policy = ct_limit_policy,
      .doit = ovs_ct_limit_cmd_set,
    },
};
{ .cmd = OVS_CT_LIMIT_CMD_DEL,
.flags = GENL_ADMIN_PERM, /* Requires CAP_NET_ADMIN
   * privilege. */
.policy = ct_limit_policy,
.doit = ovs_ct_limit_cmd_del,
},
{ .cmd = OVS_CT_LIMIT_CMD_GET,
.flags = 0, /* OK for unprivileged users. */
.policy = ct_limit_policy,
.doit = ovs_ct_limit_cmd_get,
};

static const struct genl_multicast_group ovs_ct_limit_multicast_group = {
.name = OVS_CT_LIMIT_MCGROUP,
};

struct genl_family dp_ct_limit_genl_family __ro_after_init = {
.hdrsize = sizeof(struct ovs_header),
.name = OVS_CT_LIMIT_FAMILY,
.version = OVS_CT_LIMIT_VERSION,
.maxattr = OVS_CT_LIMIT_ATTR_MAX,
.netnsok = true,
.parallel_ops = true,
.ops = ct_limit_genl_ops,
.n_ops = ARRAY_SIZE(ct_limit_genl_ops),
.mcgrps = &ovs_ct_limit_multicast_group,
.n_mcgrps = 1,
.module = THIS_MODULE,
};
#endif

int ovs_ct_init(struct net *net)
{
    unsigned int n_bits = sizeof(struct ovs_key_ct_labels) * BITS_PER_BYTE;
    struct ovs_net *ovs_net = net_generic(net, ovs_net_id);

    if (nf_connlabels_get(net, n_bits - 1)) {
        ovs_net->xt_label = false;
        OVS_NLERR(true, "Failed to set connlabel length");
    } else {
        ovs_net->xt_label = true;
    }

#if IS_ENABLED(CONFIG_NETFILTER_CONNCOUNT)
    return ovs_ct_limit_init(net, ovs_net);
#else
    return 0;
#endif
}
#endif

void ovs_ct_exit(struct net *net)
{
struct ovs_net *ovs_net = net_generic(net, ovs_net_id);

#if IS_ENABLED(CONFIG_NETFILTER_CONNCOUNT)
  ovs_ct_limit_exit(net, ovs_net);
#endif

if (ovs_net->xt_label)
  nf_connlabels_put(net);
}
#endif /* CONFIG_NF_CONNTRACK */

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1.72 azure-mgmt-cognitiveservices 5.0.0

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1.73 zlib1g 1:1.2.8.dfsg-5

1.74 jmespath 0.9.4

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1.75 color-convert 1.9.3
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1.76 libssh 1.8.0-2.1
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*/

1.77 libperl 5.28.1-6
1.77.1 Available under license:

#!perl

=head1 NAME

copyright.t

=head1 DESCRIPTION

Tests that the latest copyright years in the top-level README file and the C<perl -v> output match each other.

If the test fails, update at least one of README and perl.c so that they match reality.

Optionally you can pass the C<--now> option to check they are at the current year. This isn't checked by default, so that it doesn't fail for people working on older releases. It should be run before making a new release.

=cut

use strict;
use Config;
BEGIN { require './test.pl' }

if ( $Config{usecrosscompile} ) {
    skip_all( "Not all files are available during cross-compilation" );
}

my ($opt) = @ARGV;

my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so
# that tests still pass for people intentionally working on older versions:
if ($opt eq '--now')
{
    my $current_year = (gmtime)[5] + 1900;
    is $v_year, $current_year, 'perl -v copyright includes current year';
    is $readme_year, $current_year, 'README copyright includes current year';
}

# Otherwise simply check that the two copyright dates match each other:
else
{
    is $readme_year, $v_year, 'README and perl -v copyright dates match';
}
done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{
    open my $readme, '<', '../README' or die "Opening README failed: $!";

    # The copyright message is the first paragraph:
    local $/ = "
    my $copyright_msg = <$readme>

    my ($year) = $copyright_msg =~ /.*(\d{4,})/s
        or die "Year not found in README copyright message '$copyright_msg'";

    $year;
} }

sub v_year
# returns the latest copyright year shown in perl -v
{
    my $output = runperl switches => ['-v'];
    my ($year) = $output =~ /copyright 1987.*\b(\d{4,})/i
        or die "Copyright statement not found in perl -v output '$output'";

    $year;
} }

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Upstream-Name: perl
Source: http://www.perl.com/CPAN/src/5.0/
Comment:
This package was debianized by Brendan O'Dea <bod@debian.org> on Thu, 17 Aug 2000 16:10:54 +1000.

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dist/Math-BigInt/*
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dist/ExtUtils-Command/*
dist/ExtUtils-Manifest/*
dist/I18N-Collate/*
dist/Safe/*
ext/Fcntl/*
ext/FileCache/*
ext/GDBM_File/*
ext/IPC-Open2/*
ext/IPC-Open3/*
ext/NDBM_File/*
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abstract: 'Build and install Perl modules'
author:
- 'Ken Williams <kwilliams@cpan.org>'
- "Development questions, bug reports, and patches should be sent to the\nModule-Build mailing list at <module-build@perl.org>.'
built_requires:
  File::Temp: 0.15
  Test::Harness: 3.16
  Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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1.82 libpython3-stdlib 3.5.3-1

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

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

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

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

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2. According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

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

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py3compile, py3clean and debpython module:
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1.83 rsyslog 8.32.0 1ubuntu4

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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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##
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1.89 libseccomp 2.4.1-0ubuntu0.18.04.2

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1.90 io-console 0.4.5

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

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  Glob: client/async_example.c include/my_context.h mysys/my_context.c storage/connect/inihandl.c \ storage/tokudb/ft-index/third_party/xz-4.999.9beta/lib/getopt.c storage/tokudb/ft-index/third_party/xz-4.999.9beta/lib/getopt1.c storage/tokudb/ft-index/third_party/xz-4.999.9beta/lib/getopt.in.h \ tests/nonblock-wrappers.h tests/async_queries.c sql-common/mysql_async.c
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- Glob: storage/innobase/fts/fts0pars.cc sql/sql_yacc.cc sql/sql_yacc.h storage/innobase/include/fts0pars.h \\storage/xtradb/fts/fts0pars.cc storage/xtradb/include/fts0pars.h
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 *
 * The code has been modified by Mikael Ronstroem to handle
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 * is returned as the hash value.
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MMagic: text/plain
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/

/*
 * This code implements the MD5 message-digest algorithm.
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 *
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This code has been tested against that, and is equivalent,* except that you don't need to include two pages of legalese with every copy.

To compute the message digest of a chunk of bytes, declare an MD5Context structure, pass it to MD5Init, call MD5Update as needed on buffers full of bytes, and then call MD5Final, which will fill a supplied 16-byte array with the digest.

/*
 */

/* This code was modified in 1997 by Jim Kingdon of Cyclic Software to not require an integer type which is exactly 32 bits. This work draws on the changes for the same purpose by Tatu Ylonen <ylo@cs.hut.fi> as part of SSH, but since I didn't actually use that code, there is no copyright issue. I hereby disclaim copyright in any changes I have made; this code remains in the public domain. */

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Version 2, June 1991
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Appendix: How to Apply These Terms to Your New Programs

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<signature of Ty Coon>, 1 April 1989
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# README for Debian packaging contributors #

This documentation describes how to contribute to the official Debian packages of MariaDB. The packaging in Debian repositories is not identical to the packaging in mariadb.org repositories, but whatever is in Debian repositories will eventually be upstreamed.

## Development environment and tools

Use a recent version of Debian or Ubuntu as the environment for Debian packaging testing and development. Preferred environment is Debian Sid (unstable).

Install the tool used to manage and build the source

```
sudo apt-get install git-buildpackage
```

## Getting the source

The official Debian package source is hosted on the Debian Gitlab server under the MariaDB/MySQL packaging team at https://salsa.debian.org/mariadb-team/ . You are welcome to fork it and make merge requests.

To get the latest official Debian packaging source of mariadb-10.3, clone the source repository with all relevant branches (master, upstream, pristine-tar) to your local environment using `git-buildpackage`:

```
gbp clone --pristine-tar https://salsa.debian.org/mariadb-team/mariadb-10.3.git
```

If you have your own fork and SSH keys set up on Salsa, you can run:

```
gbp clone --pristine-tar git@salsa.debian.org:<username>/mariadb-10.3.git
```

The clone needs to be run only once. On later runs you can refresh your clone with relevant branches using

```
gbp pull --pristine-tar --force
```

## Building the packages

Build binaries, run testsuite and build Debian packages with

```
gbp buildpackage
```

On the first run `git-buildpackage` will complain if some of the build dependencies defined in `debian/control` are missing. Simply install those packages and run the build again.

A quick command to install all dependencies:

```
sudo mk-build-deps -r -i debian/control -t "apt-get -y -o Debug::pkgProblemResolver=yes --no-install-
```
recommends"

If the build fails, the easiest way to clean up before a new run is
git clean -fdx && git reset --hard

### Build options

If you want to skip the mysql-test-run step (which takes a lot of time) set
the following environment variable:
export DEB_BUILD_OPTIONS="nocheck"

If you want to run the build in parallel on 2 CPUs and have verbose output:
export DEB_BUILD_OPTIONS="parallel=2 verbose"

The options above can also be combined freely to get desired behavior.

### Creating a feature or bugfix branch

The repository has the following branch layout:
* upstream - contains the upstream source releases without modifications
* pristine-tar - contains extra delta needed to re-create the original
tarballs with the exactly same SHA-1 hash as the original tarballs by upstream
* master - packaging for Debian Sid (unstable)
* jessie - release branch for Debian 8 (jessie)
* stretch - release branch for Debian 9 (stretch)
* ubuntu-16.04 - release branch for Ubuntu 16.04 (xenial)
* ubuntu-18.04 - release branch for Ubuntu 18.04 (bionic)

All new features and also bugfixes are done only in the master branch. The
release branches for Debian and Ubuntu are only used for security updates.

To prepare the Salsa pull request, create a bugfix branch from master with:
git checkout -b fix-example-name

After this you can develop with all the usual git commit and push commands
until you have in your fork at Salsa the desired change and you are ready
to open the merge request.

### Notes about how to make changes in the proper way

First consider submitting your patch upstream. Upstream MariaDB makes frequent
maintenance releases and any fix done upstream will therefore be included in
Debian relatively quickly. You can send email to the developers mailing list
or open a pull request at https://github.com/MariaDB/server.
Follow these instructions if your fix is about packaging in Debian specifically. Start by using gitk or similar tool to browse the previous changes. Try to follow similar pattern in your new changes.

Keep in mind that all changes must done only for files residing in the debian/ subdirectory. If you need to create changes outside the debian/ directory, then you need to create a patch file using the same pattern as the patches found in debian/patches and activated by a line in debian/patches/series

Do not bundle in your commit any changes to debian/changelog. The correct changelog entries will be created later by the maintainer using git-dch in an automated fashion.

For an example of a patch adding commit see https://github.com/ottok/mariadb-10.0/commit/8d2a7c909

# Using Docker

First make a working directory for the build artefacts. Inside that directory clone the repository. Then start a Docker session using whatever Debian/Ubuntu image you want with the command:

docker run -it -v ${PWD}:/build -w /build debian:sid bash

This will start a session, where you are as the root user in the path /build inside the Docker container. Here you can cd into the source directory, install dependencies and start the build. Note that when you exit the session, everything will be lost apart from the files you had inside the mounted volume in /build.

# Using sbuild

If you prefer sbuild, you can build with something like:
gbp buildpackage --git-builder=sbuild -A -v -d unstable

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

The MariaDB packages were initially made by http://ourdelta.org/, and are now managed by the MariaDB development team,
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1.98 gcc-defaults 1.176ubuntu2.3

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/**
 * This interface provides information about a permission that can be
 * granted. Note that this is &lt;em&gt;not&lt;/em&gt; the same as the class
 * &lt;code&gt;java.security.Permission&lt;/code&gt;.
 *
 * @version 0.0
 *
 * @author Aaron M. Renn (arenn@urbanophile.com)
 */

class Permission
{
/**
 * This method tests whether or not a specified &lt;code&gt;Permission&lt;/code&gt;
 * (passed as an &lt;code&gt;Object&lt;/code&gt;) is the same as this permission.
 *
 * @param perm The permission to check for equality
 *
 * @return &lt;code&gt;true&lt;/code&gt; if the specified permission is the same as this one, &lt;code&gt;false&lt;/code&gt; otherwise
 */
boolean equals (Object perm):

/**
 * This method returns this <code>Permission</code> as a <code>String</code>.
 *
 * @return A <code>String</code> representing this permission.
 */
String toString();

@node Library Copying
@appendixsec GNU LESSER GENERAL PUBLIC LICENSE
@cindex LGPL, Lesser General Public License
@center Version 2.1, February 1999
@display
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[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence the
version number 2.1.]
@end display

@appendixsubsec Preamble

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

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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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@iftex
@heading END OF TERMS AND CONDITIONS
@end iftex
@ifinfo
@center END OF TERMS AND CONDITIONS
@end ifinfo

@page
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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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/* Use the Sequent Symmetry assembler syntax. */

/* Define the syntax of pseudo-ops, labels and comments. */

/* Prefix for internally generated assembler labels. If we aren't using
underscores, we are using prefix `.s to identify labels that should
be ignored, as in `i386/gas.h' --karl@cs.umb.edu */

#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size. */

#define ASM_BYTE "\t.byte\t"
#define ASM_SHORT "\t.word\t"
#define ASM_LONG "\t.long\t"
#define ASM_QUAD "\t.quad\t" /* Should not be used for 32bit compilation. */

/* This was suggested, but it shouldn't be right for DBX output. -- RMS
#define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) */

/* Define the syntax of labels and symbol definitions/declarations. */

/* This is how to output an assembler line
that says to advance the location counter by SIZE bytes. */

#define ASM_OUTPUT_SKIP(FILE,SIZE)  
   fprintf (FILE, "\t.space HOST_WIDE_INT_PRINT_UNSIGNED\n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations. */

/* This says how to output an assembler line
to define a global common symbol. */

#define ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED) \
   ( fputs (".comm " , (FILE)),\
     assemble_name ((FILE), (NAME)),\
     fprintf ((FILE), ",%u\n", (int)(ROUNDED))

/* This says how to output an assembler line
#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED) \
(fputs (”.lcomm ”, (FILE)),
assemble_name ((FILE), (NAME)),
fprintf ((FILE), “,%u
”, (int)(ROUNDED)))

#ifdef HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT) \
(fputs (”.lcomm ”, (FILE)),
assemble_name ((FILE), (NAME)),
fprintf ((FILE), “,%u,%u
”, (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif

/* This is how to output an assembler line 
that says to advance the location counter 
to a multiple of 2**LOG bytes. */

#define ASM_OUTPUT_ALIGN(FILE,LOG)	\nif ((LOG)!=0) fprintf ((FILE), ”align %d
”, (LOG))

/* This is how to store into the string BUF 
the symbol_ref name of an internal numbered label where 
PREFIX is the class of label and NUM is the number within the class. 
This is suitable for output with `assemble_name'. */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER)	\nsprintf ((BUF), “%s%ld”, (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols. */

#define USER_LABEL_PREFIX “_”

/* Sequent has some changes in the format of DBX symbols. */
#define DBX_NO_XREFS 1

/* Don't split DBX symbols into continuations. */
#define DBX_CONTIN_LENGTH 0

This is an attempt to acknowledge early contributions to the garbage 
collector. Later contributions should instead be mentioned in 
README.changes.

HISTORY -

Early versions of this collector were developed as a part of research 
projects supported in part by the National Science Foundation 
and the Defense Advance Research Projects Agency.
The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser. The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM. Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood. Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code. Jesper Peterson(jep@mtiame.mitia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?) and Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports. Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code. Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks(ags@uts.amdahl.com) supplied the NetBSD and 386BSD ports. Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port. Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to a Motorola 88K processor running CX/UX (Harris NightHawk). Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to nonIBM development environments (a nontrivial task).

Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port. David Chase, then at Olivetti Research, suggested several improvements. Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the code to save and print call stacks for leak detection on a SPARC. Jesse Hull and John Ellis supplied the C++ interface code. Zhong Shao performed much of the experimentation that led to the current typed allocation facility. (His dynamic type inference code hasn't made it into the released version of the collector, yet.)

#!/usr/bin/python


# Copyright (C) 2013 Free Software Foundation, Inc.
#
# This script 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 3, or (at your option)
# any later version.
#
# This script adjusts the copyright notices at the top of source files
# so that they have the form:
#
#   Copyright XXXX-YYYY Free Software Foundation, Inc.
#
# It doesn't change code that is known to be maintained elsewhere or
# that carries a non-FSF copyright.
#
# The script also doesn't change testsuite files, except those in
# libstdc++-v3. This is because libstdc++-v3 has a conformance testsuite,
# while most tests in other directories are just things that failed at some
# point in the past.
#
# Pass --this-year to the script if you want it to add the current year
# to all applicable notices. Pass --quilt if you are using quilt and
# want files to be added to the quilt before being changed.
#
# By default the script will update all directories for which the
# output has been vetted. You can instead pass the names of individual
# directories, including those that haven't been approved. So:
#
#   update-copyright.pl --this-year
#
# is the command that would be used at the beginning of a year to update
# all copyright notices (and possibly at other times to check whether
# new files have been added with old years). On the other hand:
#
#   update-copyright.pl --this-year libjava
#
# would run the script on just libjava/.
#
# Note that things like --version output strings must be updated before
# this script is run. There's already a separate procedure for that.

import os
import re
import sys
import time
import subprocess

class Errors:
def __init__ (self):
    self.num_errors = 0

def report (self, filename, string):
    if filename:
        string = filename + ': ' + string
    sys.stderr.write (string + '\n')
    self.num_errors += 1

def ok (self):
    return self.num_errors == 0

class GenericFilter:
    def __init__ (self):
        self.skip_files = set()
        self.skip_dirs = set()
        self.skip_extensions = set()
        self.fossilised_files = set()
        self.own_files = set()

        self.skip_files |= set (['
            # Skip licence files.
            'COPYING',
            'COPYING.LIB',
            'COPYING3',
            'COPYING3.LIB',
            'LICENSE',
            'fdl.texi',
            'gpl_v3.texi',
            'fdl-1.3.xml',
            'gpl-3.0.xml',

            # Skip auto- and libtool-related files
            'aclocal.m4',
            'compile',
            'config.guess',
            'config.sub',
            'depcomp',
            'install-sh',
            'libtool.m4',
            'ltmain.sh',
            'ltversion.m4',
            'lt--obsolete.m4',
            'missing',
            'mkdep',
            'mkinstalldirs',
            ''])
'move-if-change',
'shlibpath.m4',
'symlink-tree',
'y1wrap',

# Skip FSF mission statement, etc.
'gnu.texi',
'funding.texi',
'appendix_free.xml',

# Skip imported texinfo files.
'texinfo.tex',
}


def get_line_filter (self, dir, filename):
    if filename.startswith ('ChangeLog'):
        # Ignore references to copyright in changelog entries.
        return re.compile ('\t')
    return None

def skip_file (self, dir, filename):
    if filename in self.skip_files:
        return True
    (base, extension) = os.path.splitext (os.path.join (dir, filename))
    if extension in self.skip_extensions:
        return True
    if extension == '.in':
        # Skip .in files produced by automake.
        if os.path.exists (base + '.am'):
            return True

    # Skip files produced by autogen
    if (os.path.exists (base + '.def')
        and os.path.exists (base + '.tpl')):
        return True

    # Skip configure files produced by autoconf
    if filename == 'configure':
        if os.path.exists (base + '.ac'):
            return True
        if os.path.exists (base + '.in'):
            return True

    return False
def skip_dir(self, dir, subdir):
    return subdir in self.skip_dirs

def is_fossilised_file(self, dir, filename):
    if filename in self.fossilised_files:
        return True
    # Only touch current ChangeLogs.
    if filename != 'ChangeLog' and filename.find('ChangeLog') >= 0:
        return True
    return False

def by_package_author(self, dir, filename):
    return filename in self.own_files

class Copyright:
    def __init__(self, errors):
        self.errors = errors

        # Characters in a range of years. Include '.' for typos.
        ranges = '[0-9][?:-0-9,.\s]+[0-9]'

        # Non-whitespace characters in a copyright holder's name.
        name = '\w-]'

        # Matches one year.
        self.year_re = re.compile(ranges + '+')

        # Matches part of a year or copyright holder.
        self.continuation_re = re.compile(ranges + '.*' + name)

        # Matches a full copyright notice:
        self.copyright_re = re.compile('.*?([
            '  # 1: 'Copyright (C)', etc.
            'Copyright |
            Copyright\s+\((C)\|\s+\)
            Copyright\s+\+
            Copyright\s+\%
            Copyright\s+\&copy;
            Copyright\s+\@copyright{}\]
            @set\s+copyright\\w-]+')

        # 2: the years. Include the whitespace in the year, so that
        # we can remove any excess.
        '\' + ranges + '\.' + '\s*\@value\/[^{}]*\s*\]s*'

        # 3: 'by ', if used
        '(by\s+)?'
# 4: the copyright holder. Don't allow multiple consecutive
# spaces, so that right-margin gloss doesn't get caught
# (e.g. gnat_ugn.texi).
'( + name +(?:\s|' + name +')?')

# A regexp for notices that might have slipped by. Just matching
# 'copyright' is too noisy, and 'copyright.*[0-9]' falls foul of
# HTML header markers, so check for 'copyright' and two digits.
self.other_copyright_re = re.compile('copyright.*[0-9][0-9]',
                                      re.IGNORECASE)
self.comment_re = re.compile('#+|[*]+|;+|%+//+@c |dnl ')
self.holders = { '@copying': '@copying' }
self.holder_prefixes = set()

# True to 'quilt add' files before changing them.
self.use_quilt = False

# If set, force all notices to include this year.
self.max_year = None

# Goes after the year(s). Could be ', '.
self.separator = ''

def add_package_author (self, holder, canon_form = None):
    if not canon_form:
        canon_form = holder
    self.holders[holder] = canon_form
    index = holder.find (' ')
    while index >= 0:
        self.holder_prefixes.add (holder[:index])
        index = holder.find (' ', index + 1)

def add_external_author (self, holder):
    self.holders[holder] = None

class BadYear():
    def __init__ (self, year):
        self.year = year

    def __str__ (self):
        return 'unrecognised year: ' + self.year

    def parse_year (self, string):
        year = int (string)
        if len (string) == 2:
            if year > 70:
                return year + 1900
elif len(string) == 4:
    return year
raise self.BadYear(string)

def year_range(self, years):
    year_list = [self.parse_year(year)
                 for year in self.year_re.findall(years)]
    assert len(year_list) > 0
    return (min(year_list), max(year_list))

def set_use_quilt(self, use_quilt):
    self.use_quilt = use_quilt

def include_year(self, year):
    assert not self.max_year
    self.max_year = year

def canonicalise_years(self, dir, filename, filter, years):
    # Leave texinfo variables alone.
    if years.startswith('@value '):
        return years
    (min_year, max_year) = self.year_range(years)
    # Update the upper bound, if enabled.
    if self.max_year and not filter.is_fossilised_file(dir, filename):
        max_year = max(max_year, self.max_year)
    # Use a range.
    if min_year == max_year:
        return '%d' % min_year
    else:
        return '%d-%d' % (min_year, max_year)

def strip_continuation(self, line):
    line = line.lstrip()
    match = self.comment_re.match(line)
    if match:
        line = line[match.end():].lstrip()
    return line

def is_complete(self, match):
    holder = match.group(4)
    return (holder
            and (holder not in self.holder_prefixes
                 or holder in self.holders))

def update_copyright(self, dir, filename, filter, file, line, match):
orig_line = line
next_line = None
pathname = os.path.join (dir, filename)

intro = match.group (1)
if intro.startswith ('@set'):
    # Texinfo year variables should always be on one line
    after_years = line[match.end (2):].strip()
    if after_years != ':
        self.errors.report (pathname,
                         'trailing characters in @set: ' + after_years)
        return (False, orig_line, next_line)
else:
    # If it looks like the copyright is incomplete, add the next line.
    while not self.is_complete (match):
        try:
            next_line = file.next()
        except StopIteration:
            break
        if not self.continuation_re.match (continuation):
            break
    # Merge the lines for matching purposes.
    orig_line += next_line
    line = line.rstrip() + ' ' + continuation
    next_line = None
    # Rematch with the longer line, at the original position.
    match = self.copyright_re.match (line, match.start())
    assert match
    holder = match.group (4)

    # Use the filter to test cases where markup is getting in the way.
    if filter.by_package_author (dir, filename):
        assert holder not in self.holders
    elif not holder:
        self.errors.report (pathname, 'missing copyright holder')
        return (False, orig_line, next_line)
    elif holder not in self.holders:
        self.errors.report (pathname,
'unrecognised copyright holder: ' + holder)

return (False, orig_line, next_line)

else:
    # See whether the copyright is associated with the package
    # author.
    canon_form = self.holders[holder]
    if not canon_form:
        return (False, orig_line, next_line)

    # Make sure the author is given in a consistent way.
    line = (line[:match.start (4)]
            + canon_form
            + line[match.end (4):])

    # Remove any 'by'
    line = line[:match.start (3)] + line[match.end (3):]

    # Update the copyright years.
    years = match.group (2).strip()
    try:
        canon_form = self.canonicalise_years (dir, filename, filter, years)
    except self.BadYear as e:
        self.errors.report (pathname, str (e))
        return (False, orig_line, next_line)

    line = (line[:match.start (2)]
            + '+' + canon_form + self.separator
            + line[match.end (2):])

    # Use the standard (C) form.
    if intro.endswith ('right'):
        intro += ' (C)'
    elif intro.endswith ('(c)'):
        intro = intro[:-3] + '(C')
    line = line[:match.start (1)] + intro + line[match.end (1):]

    # Strip trailing whitespace
    line = line.rstrip() + '

    return (line != orig_line, line, next_line)

def process_file (self, dir, filename, filter):
    pathname = os.path.join (dir, filename)
    if filename.endswith ('.tmp'):
        # Looks like something we tried to create before.
        try:
            os.remove (pathname)
except OSError:
    pass
return

lines = []
changed = False
line_filter = filter.get_line_filter (dir, filename)
with open (pathname, 'r') as file:
    prev = None
    for line in file:
        while line:
            next_line = None
                # Leave filtered-out lines alone.
                if not (line_filter and line_filter.match (line)):
                    match = self.copyright_re.search (line)
                    if match:
                        res = self.update_copyright (dir, filename, filter,
                                                      file, line, match)
                        (this_changed, line, next_line) = res
                        changed = changed or this_changed

                # Check for copyright lines that might have slipped by.
                elif self.other_copyright_re.search (line):  
                    self.errors.report (pathname,
                                'unrecognised copyright: %s'
                                % line.strip())
                    lines.append (line)
                    line = next_line

        # If something changed, write the new file out.
        if changed and self.errors.ok():
            tmp_pathname = pathname + '.tmp'
            with open (tmp_pathname, 'w') as file:
                for line in lines:
                    file.write (line)
            if self.use_quilt:
                subprocess.call (["quilt", 'add', pathname])
            os.rename (tmp_pathname, pathname)

    def process_tree (self, tree, filter):
        for (dir, subdirs, filenames) in os.walk (tree):
            # Don't recurse through directories that should be skipped.
            for i in xrange (len (subdirs) - 1, -1, -1):
                if filter.skip_dir (dir, subdirs[i]):
                    del subdirs[i]

            # Handle the files in this directory.
            for filename in filenames:
if filter.skip_file (dir, filename):
    sys.stdout.write ('Skipping %s\n' % os.path.join (dir, filename))
else:
    self.process_file (dir, filename, filter)

class CmdLine:
    def __init__ (self, copyright = Copyright):
        self.errors = Errors()
        self.copyright = copyright (self.errors)
        self.dirs = []
        self.default_dirs = []
        self.chosen_dirs = []
        self.option_handlers = dict()
        self.option_help = []
        self.add_option ('--help', 'Print this help', self.o_help)
        self.add_option ('--quilt', '"quilt add" files before changing them',
            self.o_quilt)
        self.add_option ('--this-year', 'Add the current year to every notice',
            self.o_this_year)
        def add_option (self, name, help, handler):
            self.option_help.append ((name, help))
            self.option_handlers[name] = handler
        def add_dir (self, dir, filter = GenericFilter()):
            self.dirs.append ((dir, filter))
        def o_help (self, option = None):
            sys.stdout.write ('Usage: %s [options] dir1 dir2...

            Options:
' % sys.argv[0])
            format = '%-15s %s
'
            for (what, help) in self.option_help:
                sys.stdout.write (format % (what, help))
            sys.stdout.write ('
Directories:
')
            format = '%-25s'
            i = 0
            for (dir, filter) in self.dirs:
                i += 1
                if i % 3 == 0 or i == len (self.dirs):
                    sys.stdout.write (dir + '\n'
                else:
                    sys.stdout.write (format % dir)
            sys.exit (0)
        def o_quilt (self, option):
def o_this_year (self, option):
    self.copyright.include_year (time.localtime().tm_year)

def main (self):
    for arg in sys.argv[1:]:
        if arg[1:] != '-':
            self.chosen_dirs.append (arg)
        elif arg in self.option_handlers:
            self.option_handlers[arg] (arg)
        else:
            self.errors.report (None, 'unrecognised option: ' + arg)
    if self.errors.ok():
        if len (self.chosen_dirs) == 0:
            self.chosen_dirs = self.default_dirs
        if len (self.chosen_dirs) == 0:
            self.o_help()
        else:
            for chosen_dir in self.chosen_dirs:
                canon_dir = os.path.join (chosen_dir, '')
                count = 0
                for (dir, filter) in self.dirs:
                    if (dir + os.sep).startswith (canon_dir):
                        count += 1
                self.copyright.process_tree (dir, filter)
                if count == 0:
                    self.errors.report (None, 'unrecognised directory: ' + chosen_dir)
            sys.exit (0 if self.errors.ok() else 1)

#---------------------------------------------------------------

class TopLevelFilter (GenericFilter):
    def skip_dir (self, dir, subdir):
        return True

class ConfigFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

    def skip_file (self, dir, filename):
        if filename.endswith ('.m4'):
            pathname = os.path.join (dir, filename)
            with open (pathname) as file:
                # Skip files imported from gettext.
                if file.readline().find ('gettext-') >= 0:
                    return True
return GenericFilter.skip_file (self, dir, filename)

class GCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_files |= set ([
            # Not part of GCC
            'math-68881.h',
        ])

        self.skip_dirs |= set ([
            # Better not create a merge nightmare for the GNAT folks.
            'ada',

            # Handled separately.
            'testsuite',
        ])

        self.skip_extensions |= set ([
            # Maintained by the translation project.
            '.po',

            # Automatically-generated.
            '.pot',
        ])

        self.fossilised_files |= set ([
            # Old news won't be updated.
            'ONEWS',
        ])

class TestsuiteFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set ([
            # Don't change the tests, which could be woend by anyone.
            '.c',
            '.C',
            '.cc',
            '.h',
            '.hs',
            '.f',
            '.f90',
            '.go',
            '.inc',
            '.java',
            '.java',
        ])

Open Source Used In Cisco Container Platform 6.1.04394
def skip_file (self, dir, filename):
    # g++/niklas/README contains historical copyright information
    # and isn't updated.
    if filename == 'README' and os.path.basename (dir) == 'g++/niklas':
        return True
    return GenericFilter.skip_file (self, dir, filename)

class LibCppFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set ([
            # Maintained by the translation project.
            '.po',

            # Automatically-generated.
            '.pot',
        ])

class LibGCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set ([
            # Imported from GLIBC.
            'soft-fp',
        ])

class LibJavaFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set ([
            # Handled separately.
            'testsuite',

            # Not really part of the library
            'contrib',

            # Imported from upstream
            'classpath',
            'libltdl',
        ])

    def get_line_filter (self, dir, filename):
        if filename == 'NameDecoder.h':
return re.compile ('.*NAME_COPYRIGHT')
if filename == 'ICC_Profile.h':
    return re.compile ('.*icSigCopyrightTag')
return GenericFilter.get_line_filter (self, dir, filename)

class LibMudflapFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set ([
            # Handled separately.
            'testsuite',
        ])

class LibStdCxxFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_files |= set ([
            # Contains no copyright of its own, but quotes the GPL.
            'intro.xml',
        ])

        self.skip_dirs |= set ([
            # Contains automatically-generated sources.
            'html',

            # The testsuite data files shouldn't be changed.
            'data',

            # Contains imported images
            'images',
        ])

        self.own_files |= set ([
            # Contains markup around the copyright owner.
            'spine.xml',
        ])

    def get_line_filter (self, dir, filename):
        if filename == 'boost_concept_check.h':
            return re.compile ('// (C) Copyright Jeremy Siek')
        return GenericFilter.get_line_filter (self, dir, filename)

class GCCCopyright (Copyright):
    def __init__ (self, errors):
        Copyright.__init__ (self, errors)
canon_fsf = 'Free Software Foundation, Inc.'
self.add_package_author ('Free Software Foundation', canon_fsf)
self.add_package_author ('Free Software Foundation.', canon_fsf)
self.add_package_author ('Free Software Foundation Inc.', canon_fsf)
self.add_package_author ('Free Software Foundation, Inc', canon_fsf)
self.add_package_author ('Free Software Foundation, Inc.', canon_fsf)
self.add_package_author ('The Free Software Foundation', canon_fsf)
self.add_package_author ('The Free Software Foundation, Inc.', canon_fsf)
self.add_package_author ('Software Foundation, Inc.', canon_fsf)

self.add_external_author ('ARM')
self.add_external_author ('AdaCore')
self.add_external_author ('Ami Tavory and Vladimir Dreizin, IBM-HRL.')
self.add_external_author ('Cavium Networks.')
self.add_external_author ('Faraday Technology Corp.')
self.add_external_author ('Florida State University')
self.add_external_author ('Greg Colvin and Beman Dawes.')
self.add_external_author ('Hewlett-Packard Company')
self.add_external_author ('Information Technology Industry Council.')
self.add_external_author ('James Theiler, Brian Gough')
self.add_external_author ('Makoto Matsumoto and Takuji Nishimura,')
self.add_external_author ('National Research Council of Canada.')
self.add_external_author ('Peter Dimov and Multi Media Ltd.')
self.add_external_author ('Peter Dimov')
self.add_external_author ('Pipeline Associates, Inc.')
self.add_external_author ('Regents of the University of California.')
self.add_external_author ('Silicon Graphics Computer Systems, Inc.')
self.add_external_author ('Silicon Graphics')
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self.add_external_author ('The Go Authors. All rights reserved.')
self.add_external_author ('The Go Authors.')
self.add_external_author ('The Regents of the University of California.')
self.add_external_author ('Unicode, Inc.')
self.add_external_author ('University of Toronto.')

class GCCCmdLine (CmdLine):
    def __init__ (self):
        CmdLine.__init__ (self, GCCCopyright)

        self.add_dir ('.', TopLevelFilter())
        # boehm-gc is imported from upstream.
        self.add_dir ('config', ConfigFilter())
        # contrib isn't really part of GCC.
        self.add_dir ('fixincludes')
        self.add_dir ('gcc', GCCFilter())
        self.add_dir (os.path.join ('gcc', 'testsuite'), TestsuiteFilter())
self.add_dir ('gnattools')
self.add_dir ('include')
self.add_dir ('libada')
self.add_dir ('libatomic')
self.add_dir ('libbacktrace')
self.add_dir ('libcpp', LibCppFilter())
self.add_dir ('libdecnumber')
# libffi is imported from upstream.
self.add_dir ('libgcc', LibGCCFilter())
self.add_dir ('libgfortran')
self.add_dir ('libgomp')
self.add_dir ('libiberty')
self.add_dir ('libitm')
self.add_dir ('libjava', LibJavaFilter())
self.add_dir (os.path.join ('libjava', 'testsuite'), TestsuiteFilter())
self.add_dir ('libmudflap', LibMudflapFilter())
self.add_dir (os.path.join ('libmudflap', 'testsuite'),
              TestsuiteFilter())
self.add_dir ('libobjc')
self.add_dir ('libquadmath')
# libsanitiser is imported from upstream.
self.add_dir ('libssp')
self.add_dir ('libstdc++-v3', LibStdCxxFilter())
self.add_dir ('lto-plugin')
# zlib is imported from upstream.

self.default_dirs = [
    'gcc',
    'libada',
    'libatomic',
    'libbacktrace',
    'libcpp',
    'libdecnumber',
    'libgcc',
    'libgfortran',
    'libgomp',
    'libitm',
    'libmudflap',
    'libobjc',
    'libstdc++-v3',
]

GCCCmdLine().main()

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package gnu.classpath.tools.taglets;
import java.util.Map;
import com.sun.tools.doclets.Taglet;
import com.sun.javadoc.Tag;

/**
 * A simple Taglet which handles Copyright information.
 */
public class CopyrightTaglet implements Taglet {

    private static final String NAME = "copyright";
    private static final String HEADER = "Copyright:";

    public String getName() {
        return NAME;
    }

    public boolean inField() {
        return true;
    }

    public boolean inConstructor() {
        return true;
    }

    public boolean inMethod() {
        return true;
    }

    public boolean inOverview() {
        return true;
    }

    public boolean inPackage() {
        return true;
    }

    public boolean inType() {
        return true;
    }

    public boolean isInlineTag() {
        return false;
    }

    public static void register(Map tagletMap) {
    }
}
CopyrightTaglet copyrightTaglet = new CopyrightTaglet();
tagletMap.put(copyrightTaglet.getName(), copyrightTaglet);
}
public String toString(Tag tag) {
    return toString(new Tag[] { tag });
}
public String toString(Tag[] tags) {
    if (tags.length == 0) {
        return null;
    }
    else {
        boolean haveValidTag = false;
        for (int i = 0; i < tags.length && !haveValidTag; ++i) {
            if (tags[i].text().length() > 0) {
                haveValidTag = true;
            }
        }
        if (haveValidTag) {
            StringBuffer result = new StringBuffer();
            result.append("<dl>");
            for (int i = 0; i < tags.length; i++) {
                if (tags[i].text().length() > 0) {
                    result.append("<dt><i>Copyright &copy; " + tags[i].text() + "</i></dt>");
                }
            result.append("</dl>");
            return result.toString();
        }
        else {
            return null;
        }
    }
}

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/* Permission.java -- The superclass for all permission objects

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package java.security;

import gnu.java.lang.CPStringBuilder;

import java.io.Serializable;

/**
 * This class is the abstract superclass of all classes that implement
 * the concept of a permission. A permission consists of a permission name
 * and optionally a list of actions that relate to the permission. The
 * actual meaning of the name of the permission is defined only in the
 * context of a subclass. It may name a resource to which access permissions
 * are granted (for example, the name of a file) or it might represent
 * something else entirely. Similarly, the action list only has meaning
 * within the context of a subclass. Some permission names may have no
 * actions associated with them. That is, you either have the permission
 * or you don't.
 * *
 * <p>The most important method in this class is <code>implies</code>. This
 * checks whether if one has this permission, then the specified
 * permission is also implied. As a conceptual example, consider the
 * permissions "Read All Files" and "Read File foo". The permission
 * "Read All Files" implies that the caller has permission to read the
 * file foo.
 * *
 * <p><code>Permission</code>'s must be immutable - do not change their
 * state after creation.
 * *
 * @author Aaron M. Renn (arenn@urbanophile.com)
 * @see Permissions
 * @see PermissionCollection
 * @since 1.1
 * @status updated to 1.4
 */
public abstract class Permission implements Guard, Serializable
{
  /**
   * Compatible with JDK 1.1+.
   */
private static final long serialVersionUID = -563657022231596674L;

/**
 * This is the name assigned to this permission object.
 *
 * @serial the name of the permission
 */
private String name;

/**
 * Create an instance with the specified name.
 *
 * @param name the permission name
 */
public Permission(String name)
{
    this.name = name;
}

/**
 * This method implements the <code>Guard</code> interface for this class.
 * It calls the <code>checkPermission</code> method in
 * <code>SecurityManager</code> with this <code>Permission</code> as its
 * argument. This method returns silently if the security check succeeds
 * or throws an exception if it fails.
 *
 * @param obj the <code>Object</code> being guarded - ignored by this class
 * @throws SecurityException if the security check fails
 * @see GuardedObject
 * @see SecurityManager#checkPermission(Permission)
 */
public void checkGuard(Object obj)
{
    SecurityManager sm = System.getSecurityManager();
    if (sm != null)
        sm.checkPermission(this);
}

/**
 * This method tests whether this <code>Permission</code> implies that the
 * specified <code>Permission</code> is also granted.
 *
 * @param perm the <code>Permission</code> to test against
 * @return true if perm is implied by this
 */
public abstract boolean implies(Permission perm);

/****
* Check to see if this object equals obj. Use <code>equals</code>, rather
* than <code>equals</code>, when making access control decisions.
*
* @param obj the object to compare to
*/
public abstract boolean equals(Object obj);

/**
* This method returns a hash code for this <code>Permission</code>. It
* must satisfy the contract of <code>Object.hashCode</code>: it must be
* the same for all objects that equals considers to be the same.
*
* @return a hash value
*/
public abstract int hashCode();

/**
* Get the name of this <code>Permission</code>. 
*
* @return the name
*/
public final String getName()
{
    return name;
}

/**
* This method returns the list of actions for this <code>Permission</code>
* as a <code>String</code>. The string should be in canonical order, for
* example, both <code>new FilePermission(f, "write,read")</code> and
* <code>new FilePermission(f, "read,write")</code> have the action list
* "read,write".
*
* @return the action list for this <code>Permission</code>
*/
public abstract String getActions();

/**
* This method returns an empty <code>PermissionCollection</code> object
* that can store permissions of this type, or <code>null</code> if no
* such collection is defined. Subclasses must override this to provide
* an appropriate collection when one is needed to accurately calculate
* <code>implies</code>. 
*
* @return a new <code>PermissionCollection</code>
*/
public PermissionCollection newPermissionCollection()
return null;
}

/**
 * This method returns a <code>String</code> representation of this
 * <code>Permission</code> object. This is in the format:
 * <code>'('+getClass().getName() +' ' +getName() +' ' +getActions
 * +')'</code>.
 */

* @return this object as a <code>String</code>
*/

public String toString()
{
    CPStringBuilder string = new CPStringBuilder();

    string = string.append('(');
    string = string.append(getClass().getName());
    string = string.append(' ');
    string = string.append(getName());
    if (!(getActions().equals("")))
    {
        string = string.append(' ');
        string = string.append(getActions());
    }

    string = string.append(')');
    return string.toString();
}

} // class Permission

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Flatten sysdeps/unix/bsd/bsd4.4 into sysdeps/unix/bsd.

As discussed in <https://sourceware.org/ml/libc-alpha/2012-04/msg00840.html> and <https://sourceware.org/ml/libc-alpha/2012-04/msg00989.html>, it seems appropriate to flatten sysdeps/unix/bsd/bsd4.4 into sysdeps/unix/bsd.

The bulk of the patch is just moving files. The only other changes are: update paths in sysdeps/mach/hurd/Implies and sysdeps/unix/sysv/linux/wait3.c; merge the two syscalls.list files, with the removal of syscalls that were in sysdeps/unix/bsd/syscalls.list but overridden in the bsd4.4 directory by .c files there.

Tested x86_64. The installed shared libraries are identical before and after the patch except for libc.so where the move of wait3.c (included by sysdeps/unix/sysv/linux/wait3.c) affects debug info, but the disassembly is unchanged.

* sysdeps/mach/hurd/Implies: Change unix/bsd/bsd4.4 to unix/bsd.
* sysdeps/unix/bsd/syscalls.list (chflags): Add entry from sysdeps/unix/bsd/bsd4.4/syscalls.list.
(fchflags): Likewise.
(revoke): Likewise.
(setlogin): Likewise.
(sigaltstack): Likewise.
(wait4): Likewise.
(sigblock): Remove.
(sigsetmask): Likewise.
(wait3): Likewise.
(waitpid): Likewise.

* sysdeps/unix/bsd/bsd4.4/syscalls.list: Remove file.
* sysdeps/unix/bsd/bsd4.4/Makefile: Move to ...
* sysdeps/unix/bsd/Makefile: ... here.
* sysdeps/unix/bsd/bsd4.4/Versions: Move to ...
* sysdeps/unix/bsd/Versions: ... here.
* sysdeps/unix/bsd/bsd4.4/bits/sockaddr.h: Move to ...
* sysdeps/unix/bsd/bits/sockaddr.h: ... here.
* sysdeps/unix/bsd/bsd4.4/cmsg_nxthdr.c: Move to ...
* sysdeps/unix/bsd/cmsg_nxthdr.c: ... here.
* sysdeps/unix/bsd/bsd4.4/sigblock.c: Move to ...
* sysdeps/unix/bsd/sigblock.c: ... here.
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* sysdeps/unix/bsd/bsd4.4/wait.c: Move to ...
* sysdeps/unix/bsd/wait.c: ... here.
* sysdeps/unix/bsd/bsd4.4/wait3.c: Move to ...
* sysdeps/unix/bsd/wait3.c: ... here.
* sysdeps/unix/bsd/bsd4.4/waitpid.c: Move to ...
* sysdeps/unix/bsd/waitpid.c: ... here.

diff --git a/sysdeps/mach/hurd/Implies b/sysdeps/mach/hurd/Implies
index b6063463ce34f3b7..d2d5234c1fd1522 100644
--- a/sysdeps/mach/hurd/Implies
+++ b/sysdeps/mach/hurd/Implies
@@ -2,4 +2,4 @@
# Hurd-based GNU systems.
gnu
# The Hurd provides a rough superset of the functionality of 4.4 BSD.
-unix/bsd/bsd4.4
+unix/bsd
diff --git a/sysdeps/unix/bsd/bsd4.4/Makefile b/sysdeps/unix/bsd/Makefile
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/Makefile
rename to sysdeps/unix/bsd/Makefile
diff --git a/sysdeps/unix/bsd/bsd4.4/Versions b/sysdeps/unix/bsd/Versions
rename from sysdeps/unix/bsd/bsd4.4/versions
rename to sysdeps/unix/bsd/versions
diff --git a/sysdeps/unix/bsd/bsd4.4/bits/sockaddr.h b/sysdeps/unix/bsd/bits/sockaddr.h
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/bits/sockaddr.h
rename to sysdeps/unix/bsd/bits/sockaddr.h
diff --git a/sysdeps/unix/bsd/bsd4.4/syscalls.list b/sysdeps/unix/bsd/bsd4.4/syscalls.list
deleted file mode 100644
index a4d354685424ac61..0000000000000000
--- a/sysdeps/unix/bsd/bsd4.4/syscalls.list
+++ /dev/null
@@ -1,8 +0,0 @@
- # File name Caller Syscall name# args Strong name Weak names
-
-chflags-chflags2chflags
-fchflags-fchflags2fchflags
-revoke-revoke1revoke
-setlogin-setlogin2setlogin
-sigaltstack-sigaltstack2__sigaltstack-sigaltstack
-wait4-wait4wait4

diff --git a/sysdeps/unix/bsd/bsd4.4/cmsg_nxthdr.c b/sysdeps/unix/bsd/cmsg_nxthdr.c
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/cmsg_nxthdr.c
rename to sysdeps/unix/bsd/cmsg_nxthdr.c
diff --git a/sysdeps/unix/bsd/bsd4.4/sigblock.c b/sysdeps/unix/bsd/sigblock.c
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/sigblock.c
rename to sysdeps/unix/bsd/sigblock.c
diff --git a/sysdeps/unix/bsd/bsd4.4/sigsetmask.c b/sysdeps/unix/bsd/sigsetmask.c
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/sigsetmask.c
rename to sysdeps/unix/bsd/sigsetmask.c
diff --git a/sysdeps/unix/bsd/bsd4.4/sigvec.c b/sysdeps/unix/bsd/sigvec.c
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/sigvec.c
rename to sysdeps/unix/bsd/sigvec.c
diff --git a/sysdeps/unix/bsd/syscalls.list b/sysdeps/unix/bsd/syscalls.list
index e84819dc1f19d148..9f48a144d475f342 100644
--- a/sysdeps/unix/bsd/syscalls.list
+++ /dev/null
@@ -1,14 +1,16 @@
 # File name Caller Syscall name# args Strong name Weak names
+
+chflags-chflags2chflags
+fchflags-fchflags2fchflags
-flock-flock2__flockflock
-getdents-getdirent4__getdirent4getdirent4
getdtsz-getdtablesize0__getdtablesizegotdtablesiz
getpagesize-getpagesize0__getpagesizegetpagesize
killpg-killpg2killpg
-sigblock-sigblock1__sigblocksigblock
+revoke-revoke1revoke
+setlogin-setlogin2setlogin
+sigaltstack-sigaltstack2__sigaltstacksigaltstack
sigpause-sigpause1__sigpausesigpause
-sigsetmask-sigsetmask1__sigsetmasksigsetmask
sigstack-sigstack2sigstack
sigvec-sigvec3__sigvecsigvec
-wait3-wait33__wait3wait3
-waitpid-waitpid3__waitpidwaitpid
+wait4-wait44__wait4wait4

diff --git a/sysdeps/unix/bsd4.4/tcdrain.c b/sysdeps/unix/bsd/tcdrain.c
similarity index 100%
rename from sysdeps/unix/bsd4.4/tcdrain.c
rename to sysdeps/unix/bsd/tcdrain.c
diff --git a/sysdeps/unix/bsd4.4/tcgetattr.c b/sysdeps/unix/bsd/tcgetattr.c
similarity index 100%
rename from sysdeps/unix/bsd4.4/tcgetattr.c
rename to sysdeps/unix/bsd/tcgetattr.c
diff --git a/sysdeps/unix/bsd4.4/tcsetattr.c b/sysdeps/unix/bsd/tcsetattr.c
similarity index 100%
rename from sysdeps/unix/bsd4.4/tcsetattr.c
rename to sysdeps/unix/bsd/tcsetattr.c
diff --git a/sysdeps/unix/bsd4.4/wait.c b/sysdeps/unix/bsd/wait.c
similarity index 100%
rename from sysdeps/unix/bsd4.4/wait.c
rename to sysdeps/unix/bsd/wait.c
diff --git a/sysdeps/unix/bsd4.4/wait3.c b/sysdeps/unix/bsd/wait3.c
similarity index 100%
rename from sysdeps/unix/bsd4.4/wait3.c
rename to sysdeps/unix/bsd/wait3.c
diff --git a/sysdeps/unix/bsd4.4/waitpid.c b/sysdeps/unix/bsd/waitpid.c
similarity index 100%
rename from sysdeps/unix/bsd4.4/waitpid.c
rename to sysdeps/unix/bsd/waitpid.c
diff --git a/sysdeps/unix/sysv/linux/wait3.c b/sysdeps/unix/sysv/linux/wait3.c
index 0b3bdee7717782b7b..2ff027f0e1d83eb2 100644
--- a/sysdeps/unix/sysv/linux/wait3.c
+++ b/sysdeps/unix/sysv/linux/wait3.c
@@ -1 +1 @@
-#include <sysdeps/unix/bsd4.4/wait3.c>
+#include <sysdeps/unix/bsd/wait3.c>
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1.110 libxml 2.9.7-5.el8

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1.111 python-cinderclient 4.2.0

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Theodore Ts'o
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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_SHLIB) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) \ `echo $(my_dir) | sed s;lib/;;"/$(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

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

http://sourceforge.net/projects/e2fsprogs

Upstream Author: Theodore Ts'o <tytso@mit.edu>

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This is the Debian GNU/Linux prepackaged version of the ss command-line interface parsing library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

From the original distribution:

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Index: tdfs/tdb.c
===================================================================
--- tdfs.orig/tdb.c
+++ tdfs/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
 */
/*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
-
- Copyright (C) Andrew Tridgell              2005
+ Copyright (C) Andrew Tridgell              1999-2005
+ Copyright (C) Jeremy Allison               2000-2006
+ Copyright (C) Paul 'Rusty' Russell         2000

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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 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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* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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1.127 babel-preset-stage-2 6.24.1

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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.

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

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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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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

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package goautoneg
import "bitbucket.org/ww/goautoneg"

HTTP Content-Type Autonegotiation.

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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 {
Structure to represent a clause in an HTTP Accept Header

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.hg

= vendor/github.com/munnerz/goautoneg/README.txt a33eda65f1bc658f358e1d690c6a93d4

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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 main

import ("strings")

// LicenseFilePrefix is a list of filename prefixes that indicate it might contain a software license
var LicenseFilePrefix = []string{
    "licence", // UK spelling
    "license", // US spelling
    "copying",
    "unlicense",
    "copyright",
    "copyleft",
    "authors",
    "contributors",
}

// LegalFileSubstring are substrings that indicate the file is likely to contain some type of legal declaration. "legal" is often used that it might moved to LicenseFilePrefix
var LegalFileSubstring = []string{
    "legal",
    "notice",
    "disclaimer",
    "patent",
    "third-party",
    "thirdparty",
}
// IsLicenseFile returns true if the filename might be contain a
// software license
func IsLicenseFile(filename string) bool {
    lowerfile := strings.ToLower(filename)
    for _, prefix := range LicenseFilePrefix {
        if strings.HasPrefix(lowerfile, prefix) {
            return true
        }
    }
    return false
}

// IsLegalFile returns true if the file is likely to contain some type
// of legal declaration or licensing information
func IsLegalFile(filename string) bool {
    lowerfile := strings.ToLower(filename)
    for _, prefix := range LicenseFilePrefix {
        if strings.HasPrefix(lowerfile, prefix) {
            return true
        }
    }
    for _, substring := range LegalFileSubstring {
        if strings.Contains(lowerfile, substring) {
            return true
        }
    }
    return false
}

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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{
            Key: "dvs",
            Value: "vSphere Distributed Switch",
        },
    },
}

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
}

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

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mgo - MongoDB driver for Go

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1.139 isexe 2.0.0

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1.140 azure-mgmt-monitor 0.7.0

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1.141 libepoxy 1.4.3 1

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1.149 sqlparse 0.3.0

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1.150 follow-redirects 1.5.10

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1.151 axios 0.19.0

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1.152 iputils-ping 3:20161105-1ubuntu3

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1.153 procps 2:3.3.15-2
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1.154 @babel/runtime 7.7.2

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#+STARTUP: showall

* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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

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1.161 jsmin 2.2.2

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

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1.175 boost-system 1.69.0

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and is distributed under the http://www.boost.org/LICENSE_1_0.txt[Boost Software License, Version 1.0]. This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser.
The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM.
Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood.
Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code.
Al Dosser (dossier@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code.
Jesper Peterson (jep@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.
Thomas Funke (thf@zelator.in-berlin.de(?) and Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.
Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.
Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlef(s(detlef@s.src.dec.com) also provided several generic bug fixes.
Alistair G. Crooks(ags@uts.amdahl.com) supplied the NetBSD and 386BSD ports.
Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.
Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to a Motorola 88K processor running CX/UX (Harris NightHawk).
Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to
nonIBM development environments (a nontrivial task).
Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.
David Chase, then at Olivetti Research, suggested several improvements.
Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the
code to save and print call stacks for leak detection on a SPARC.
Jesse Hull and John Ellis supplied the C++ interface code.
Zhong Shao performed much of the experimentation that led to the
current typed allocation facility. (His dynamic type inference code hasn't
made it into the released version of the collector, yet.)

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The header `<boost/mp11/mpl.hpp>`, when included, defines the
necessary support infrastructure for `mp_list` and `std::tuple`
to be valid:

NOTE: `mpl.hpp` is not included by `<boost/mp11.hpp>`.

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1.181 netcat-traditional 1.10-41.1

1.181.1 Available under license:
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1.182 babel-plugin-transform-async-generator-functions 6.24.1
1.183 minimist 1.2.5

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1.184 ssdeep 2.14.1+git20180629.57fcfff-1

1.184.1 Available under license :

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

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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
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Mersenne Twister
----------------

The `_random' module includes code based on a download from `http://www.math.keio.ac.jp/~matumoto/MT2002/emt19937ar.html'. The following are the verbatim comments from the original code:

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

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

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Sockets
-------

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

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

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

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

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1.186 ncurses-base 6.1-7.20180224.el8

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1.187 geoipbin 1.6.12-1

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1.193 psych 2.1.0

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Paul Borman <borman@google.com>

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

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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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fields:
  site: string
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1.202 libcom-err 1.43.4-2

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

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written by Theodore Ts'o <tityo@mit.edu> and Remy Card <card@masi.ibp.fr>.

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Index: tdbsa/tdb.c
===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
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Gadi Oxman, August 1995

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Theodore Ts'o
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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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writing it). Whether that is true depends on what the Library does
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its purpose remains meaningful.

(For example, a function in a library to compute square roots has
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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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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 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)

$(BSDLIB_PIC_FLAG)
$(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)

### 1.203 oj 3.7.6

#### 1.203.1 Available under license:

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1.204 babel-plugin-transform-class-constructor-call 6.24.1

1.205 libmaxminddb0 1.3.2-1

1.205.1 Available under license:

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Version 3, 29 June 2007

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1.206 libxcrypt 4.1.1 4.el8

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1.207 libkcrypto 1.16-2ubuntu0.1

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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/mach/gssapiP_spnego.h
lib/gss_mechs/mech_spnego/mach/spnego_mech.c
lib/krb5/kadm5/kadm_host_srv_names.c
lib/krb5/kdb/kdb_convert.c
lib/krb5/kdb/kdb_hdr.h
lib/krb5/kdb/kdb_log.c
lib/krb5/kdb/kdb_log.h
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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
and the initial implementation of incremental propagation, including
the following new or changed files:

    include/iprop_hdr.h
    kadmin/server/ipropd_svc.c
    lib/kdb/iprop.x
    lib/kdb/kdb_convert.c
    lib/kdb/kdb_log.c
    lib/kdb/kdb_log.h
    lib/krb5/error_tables/kdb5_err.et
    slave/kpropd_rpc.c
    slave/kproplog.c

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lib/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
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lib/gssapi/mechglue/g_export_name.c
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lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
ekadmin/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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## Commands to generate dependency files
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)
## Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -DPIC

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

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

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

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

## Shared object suffix
SO = so

## Non-shared intermediate object suffix
STATIC_O = ao

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

%.$(STATIC_O): $(srcdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<

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

%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec "$\{GEN_DEPS.cc\}$< \n| sed "\"s/a($*).o[ :]*/\1.o $@ : /g\" > $@;\n [ -s $@ ] || rm -f $@"
## Versioned libraries rules

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

## Bind internal references

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

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

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

## End BSD-specific setup

### 1.214 dom-helpers 3.4.0

### 1.214.1 Available under license :

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Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

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

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[This is the first released version of the library GPL. It is
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It is part of the main e2fsprogs distribution, which can be found at:

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This is the Debian GNU/Linux prepackaged version of the translation
files of the EXT2 file system utilities. The EXT2 utilities were
written by Theodore Ts'o <tytso@mit.edu> and Remy Card
<card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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Index: tdbsa/tdb.c

--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
 */
 /*
 - Unix SMB/CIFS implementation.
 + trivial database library - standalone version

 - trivial database library - private includes
 -
 - Copyright (C) Andrew Tridgell 2005
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 library. This does NOT imply that all of Samba is released
 This is the Debian GNU/Linux prepackaged version of the ss command-line interface parsing library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

 This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
 tsx-11.mit.edu:/pub/linux/packages/ext2fs/

 From the original distribution:

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#
# This is a Makefile stub which handles the creation of BSD shared
# libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:		$(BSD_LIB)
$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) `echo $(my_dir) | sed -e 's;lib/;;'`/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \ $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB) \ @-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs
uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)/$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../*$(BSD_LIB)

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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1.222 libpython3-6-stdlib 3.6.9-1~18.04

1.222.1 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, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.
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1.226 has-flag 3.0.0

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1.227 libasound 1.1.8-1

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Patch for Ubuntu bug #399071

Display the contents of /etc/legal as part of the MOTD, the first time the user logs in, and set a flag in the user's homedir if possible to prevent repeat displays.

Authors: Dustin Kirkland <kirkland@canonical.com>
Upstream status: Ubuntu-specific, maybe submit to Debian

Index: pam.ubuntu/modules/pam_motd/pam_motd.c

--- pam.ubuntu.orig/modules/pam_motd/pam_motd.c
+++ pam.ubuntu/modules/pam_motd/pam_motd.c
@@ -73,6 +73,61 @@
close(fd);
 }

+int display_legal(pam_handle_t *pamh)
+{
+    int retval = PAM_IGNORE, rc;
+    char *user = NULL;
+    char *dir = NULL;
+    char *flag = NULL;
+    struct passwd *pwd = NULL;
+    struct stat s;
+    int f;
+    /* Get the user name to determine if we need to print the disclaimer */
+    rc = pam_get_item(pamh, PAM_USER, &user);
+    if (rc == PAM_SUCCESS && user != NULL && *(const char *)user != '\0')
+    {
+        PAM_MODUTIL_DEF_PRIVS(privs);
+
+        /* Get the password entry */
+        pwd = pam_modutil_getpwnam (pamh, user);
+        if (pwd != NULL)
+        {
+            if (pam_modutil_drop_priv(pamh, &privs, pwd)) {
+                pam_syslog(pamh, LOG_ERR,
+                           "Unable to change UID to %d temporarily\n",
+                           pwd->pw_uid);
+                retval = PAM_SESSION_ERR;
+                goto finished;
+            }
+
+            if (asprintf(&dir, "%s/.cache", pwd->pw_dir) == -1 || !dir)
+                goto finished;
+            if (asprintf(&flag, "%s/motd.legal-displayed", dir) == -1 || !flag)
+                goto finished;
+
+            if (stat(flag, &s) != 0)
+            {
+                display_file(pamh, "/etc/legal");
+                mkdir(dir, 0700);
+                f = open(flag, O_WRONLY|O_CREAT|O_EXCL,
+                         S_IRUSR|S_IWUSR|S_IRGRP|S_IROTH);
+        }
if (f>=0) close(f);
+
+
+finished:
+    if (pam_modutil_regain_priv(pamh, &privs)) {
+        pam_syslog(pamh, LOG_ERR,
+                "Unable to change UID back to %d\n", privs.old_uid);
+        retval = PAM_SESSION_ERR;
+    }
+
+    _pam_drop(flag);
+    _pam_drop(dir);
+    }
+
+    return retval;
+
+}
+
PAM_EXTERN
int pam_sm_open_session(pam_handle_t *pamh, int flags,
int argc, const char **argv)
@@ -116,6 +171,9 @@
/* Display the updated motd */
    display_file(pamh, motd_path);
    /* Display the legal disclaimer only if necessary */
+    retval = display_legal(pamh);
+    return retval;
+
}
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misc-utils/kill.c
misc-utils/logger.c
misc-utils/look.c
misc-utils/whereis.c
sys-utils/renice.c
term-utils/mesg.c
term-utils/script.c
term-utils/ttymsg.c
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d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no
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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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preserving your freedom as a user of such programs to change the free
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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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

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

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

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

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

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

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

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c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object
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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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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
and the initial implementation of incremental propagation, including
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include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
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lib/krb5/kdb/kdb_convert.c
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lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
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/kproblog.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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https://github.com/golang/protobuf

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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{
    Key:  "dvs",
    Value: "vSphere Distributed Switch",
  }
}

`type LicenseManager struct {
  mo.LicenseManager
}

func NewLicenseManager(ref types.ManagedObjectReference) object.Reference {
  m := &LicenseManager{}
  m.Self = ref
  m.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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// 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'
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 
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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.

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
```

```bash
ckuber cp /tmp/ <some-pod>:/tmp/ 
```
## 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
ekubectl cp /tmp/foo <some-namespace>/<some-pod>:/tmp/bar
```

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

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* golang.org/x/tools/go/analysis - https://github.com/golang/tools

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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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tomb - support for clean goroutine termination in Go.

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mgo - MongoDB driver for Go

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This is the Debian package of the Cairo multi-platform 2D graphics library

Packaged by Dave Beckett <dajobe@debian.org>

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Current versions of the ncurses sources are found at
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It is based somewhat on work done by Bruce Perens <Bruce@Pixar.com>,
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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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-- vile: txtmode file-encoding=utf-8
Upstream source https://invisible-island.net/ncurses/ncurses-examples.html

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

-------------------------------------------------------------------------------
Files: *
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Files: aclocal.m4 package
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--------------------------------------------------------------------------------------------------------------------------
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Calling this script install-sh is preferred over install.sh, to prevent `make' implicit rules from creating a file called install from it when there is no Makefile.

This script is compatible with the BSD install script, but was written from scratch. It can only install one file at a time, a restriction shared with many OS's install programs.

On Debian systems, the complete text of the GNU General Public License can be found in `/usr/share/common-licenses/GPL-2'
**To add a permission to a queue**

This example enables the specified AWS account to send messages to the specified queue.

Command:

```bash
aws sqs add-permission --queue-url https://sqs.us-east-1.amazonaws.com/80398EXAMPLE/MyQueue --label SendMessagesFromMyQueue --aws-account-ids 12345EXAMPLE --actions SendMessage
```

Output:

None.

**To remove permissions from a resource**

This example removes permissions from the resource for the specified principal.

Command:

```bash
aws workdocs remove-resource-permission --resource-id 1ece93e5fe75315c7407c7407c4967918b4fd9da87dddb2a588e67b7fda4a98fde678 --principal-id anonymous
```

Output:

None

**To create a network interface permission**

This example grants permission to account ``123456789012`` to attach network interface ``eni-1a2b3c4d`` to an instance.

Command:

```bash
aws ec2 create-network-interface-permission --network-interface-id eni-1a2b3c4d --aws-account-id 123456789012 --permission INSTANCE-ATTACH
```

Output:

```json
{
    "InterfacePermission": {
        "PermissionState": {
            "State": "GRANTED"
        }
    }
}
```
**To get the permissions of a document**

This example lists all the versions for a document.

Command:

```bash
aws ssm describe-document-permission --name "RunShellScript" --permission-type "Share"
```

Output:

```
{
    "AccountIds": [
        "all"
    ]
}
```

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**To remove a permission**

This example removes the permission with the specified label from the specified queue.

Command:

```bash
aws sqs remove-permission --queue-url https://sqs.us-east-1.amazonaws.com/80398EXAMPLE/MyQueue --label SendMessagesFromMyQueue
```

Output:

```
None.
```

**To grant per-stack AWS OpsWorks permission levels**

When you import an AWS Identity and Access Management (IAM) user into AWS OpsWorks by calling ```create-
The following example grants permission for the specified stack for a user, who
is identified by Amazon Resource Name (ARN). The example grants the user a Manage permissions level, with
sudo and SSH privileges on the stack's
instances. ::

.. code-block::

    aws opsworks set-permission --region us-east-1 --stack-id 71c7ca72-55ae-4b6a-8ee1-a8dec6ed3fa0f --level manage
    --iam-user-arn arn:aws:iam::123456789102:user/cli-user-test --allow-ssh --allow-sudo

*Output*: None.

**More Information**

For more information, see `Granting AWS OpsWorks Users Per-Stack Permissions` in the *AWS OpsWorks User Guide*.


**To delete a network interface permission**

This example deletes the specified network interface permission.

Command::

    aws ec2 delete-network-interface-permission --network-interface-permission-id eni-perm-06fd19020ede149ea

Output::

```
{
    "Return": true
}
```

**To modify the permissions for a document**

This example modifies the permissions for a document. There is no output if the command succeeds.

Command::

    aws ssm modify-document-permission --name "RunShellScript" --permission-type "Share" --account-ids-to-add "All"

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1.259 http-parser-rb 0.6.0
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1.260 azure-mgmt-sqvirtualmachine 0.5.0
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1.261 libgpg-error 1.31-1.el8
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-- $Id: COPYING,v 1.6 2018/01/01 12:00:00 tom Exp $
Upstream source https://invisible-island.net/ncurses/ncurses-examples.html

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1.263 json-patch 1.25
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* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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```
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1.268 pam 1.1.8 3.6ubuntu2.18.04.1

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Patch for Ubuntu bug #399071

Display the contents of /etc/legal as part of the MOTD, the first time the user logs in, and set a flag in the user's homedir if possible to prevent repeat displays.

Authors: Dustin Kirkland <kirkland@canonical.com>

Upstream status: Ubuntu-specific, maybe submit to Debian

Index: pam.ubuntu/modules/pam_motd/pam_motd.c

```c
int display_legal(pam_handle_t *pamh)
{
    int retval = PAM_IGNORE, rc;
    char *user = NULL;
    char *dir = NULL;
    char *flag = NULL;
    struct passwd *pwd = NULL;
    struct stat s;
    int f;

    /* Get the user name to determine if we need to print the disclaimer */
    rc = pam_get_item(pamh, PAM_USER, &user);
    if (rc == PAM_SUCCESS && user != NULL && *(const char *)user != '\0')
    {
        PAM_MODUTIL_DEF_PRIVS(privs);

        /* Get the password entry */
        pwd = pam_modutil_getpwnam (pamh, user);
        if (pwd != NULL)
        {
            if (pam_modutil_drop_priv(pamh, &privs, pwd)) {
                pam_syslog(pamh, LOG_ERR,
                           "Unable to change UID to %d temporarily
",
                           pwd->pw_uid);
                retval = PAM_SESSION_ERR;
                goto finished;
            }

```

---
if (asprintf(&dir, "%s/.cache", pwd->pw_dir) == -1 || !dir)
    goto finished;
if (asprintf(&flag, "%s/motd.legal-displayed", dir) == -1 || !flag)
    goto finished;

if (stat(flag, &s) != 0)
    {
        display_file(pamh, "/etc/legal");
        mkdir(dir, 0700);
        f = open(flag, O_WRONLY|O_CREAT|O_EXCL,
                 S_IRUSR|S_IWUSR|S_IRGRP|S_IROTH);
        if (f>=0) close(f);
    }

finished:
    if (pam_modutil_regain_priv(pamh, &privs)) {
        pam_syslog(pamh, LOG_ERR,
                   "Unable to change UID back to %d\n", privs.old_uid);
        retval = PAM_SESSION_ERR;
    }

    _pam_drop(flag);
    _pam_drop(dir);
}
return retval;

int pam_sm_open_session(pam_handle_t *pamh, int flags,
                        int argc, const char **argv)
{ @@ -116,6 +171,9 @@
    /* Display the updated motd */
    display_file(pamh, motd_path);

+ /* Display the legal disclaimer only if necessary */
    retval = display_legal(pamh);
+ return retval;
+
PAM_EXTERN

This package was debianized by J.H.M. Dassen (Ray) jdassen@debian.org on

It was downloaded from ftp://ftp.kernel.org/pub/linux/libs/pam/pre/

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1.269 gitpython 3.1.1

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1.270 dash 0.5.10.2 5

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

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

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

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

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

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

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- If 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
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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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@item
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.

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

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@item
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@end enumerate

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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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.

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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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executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

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

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2006-2008, Cyril Brulebois <cyril.brulebois@enst-bretagne.fr>

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1.274 py-cparser 2.20
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1.277 langpacks-en 1.0-12.el8

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pkgdesc="A library for high-performance 2D graphics"
url="http://www.levien.com/libart/
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options="!check"  # No test suite.
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depends=
makedepends=
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2"

builddir="$srcdir/libart_lgpl-$pkgver"

prepare() {
  cd "$builddir"
  update_config_sub
  default_prepare
}

build() {
  cd "$builddir"
  ./configure \
  --build=$CBUILD \
  --host=$CHOST \
  --prefix=/usr
  make
```bash
package() {
    cd "$builddir"
    make DESTDIR="$pkgdir" install
}

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e76654309e001ae9bace727b5b4c8589405256a3c020 libart_lgpl-2.3.21.tar.bz2"
```

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_pkgname=py-flake8-copyright
pkgver=0.2.0
pkgrel=2
pkgdesc="Extension for flake8 which checks for copyrights"
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="flake8"
makedepends="python3-dev"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/$_pkgname/$_pkgname-$pkgver.tar.gz"
builddir="$srcdir"/$_pkgname-$pkgver

build() {
  cd "$builddir"
  python3 setup.py build || return 1
}

package() {
  cd "$builddir"
  python3 setup.py install --prefix=/usr --root="$pkgdir" || return 1
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pkgname=spdx-licenses
pkgver=3.5
pkgrel=0
pkgdesc="Various data formats for the SPDX License List"
url="https://spdx.org/"
arch="noarch"
options="!check"
license="CC-BY-3.0"
source="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"
builddir="$srcdir/license-list-data-$pkgver"
subpackages="$pkgname-list"

_types="html json rdfa rdfnt rdfturtle rdfxml template text"

for type in $_types; do
subpackages="$subpackages $pkgname-$type:_subpkg"
done

build() {
  cd "$builddir"
}

package() {
  mkdir -p "$pkgdir"
}

_subpkg() {
  local type=${subpkgname/$pkgname-/}
  pkgdesc="$pkgdesc ($type)"
  install_if="$pkgname"
  mkdir -p "$pkgdir"/usr/share/spdx
  cp -r "$builddir"/type "$pkgdir"/usr/share/spdx/}


list() {
pkgdesc="$pkgdesc (licence list)"
mkdir -p "$subpkgdir"/usr/share/spdx
local i; for i in $builddir/text/*.txt; do
  local license=${i##*/}
echo ${license%.*} >> "$subpkgdir"/usr/share/spdx/license.lst
done
}

sha512sums="4b4b cde554ee69e90703152a2d09e2a3c49314718d6b7e0847c0d6f6a9989d5d4d5684d152e899e88b3b
a27670ded0d27eacfe1eb6aeccf945ef2c5a933cfd2ec license-list-data-3.5.tar.gz"
# Automatically generated by apkbuild-cpan, template 1
# Contributor: Valery Kartel <valery.kartel@gmail.com>
# Maintainer: Valery Kartel <valery.kartel@gmail.com>
 pkgname=perl-bsd-resource
 _pkgreal=BSD-Resource
 pkgver=1.2911
 pkgrel=1
 pkgdesc="Perl extension implements the BSD process resource limit functions"
url="http://search.cpan.org/dist/BSD-Resource/
 arch="all"
 license="GPL, PerlArtistic"
 cpandepends=""
 cpanmakedepends=""
 depends="cpandepends"
 makedepends="perl-dev $cpanmakedepends"
 subpackages="$pkgname-doc"
 source="http://search.cpan.org/CPAN/authors/id/J/JH/JH/JHI/$pkgreal-$pkgver.tar.gz"

builddir="$srcdir/$pkgreal-$pkgver"

prepare() {
default_prepare
cd "$builddir"
export CFLAGS=\perl -MConfig -E `say $Config{ccflags}`" PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}

build() {
cd "$builddir"
export CFLAGS=\perl -MConfig -E `say $Config{ccflags}`" make
}

check() {
cd "$builddir"
make test
}

package() {
    cd "$builddir"
    make DESTDIR="$pkgdir" install
    find "$pkgdir" \(-name perllocal.pod -o -name .packlist \) -delete
}

        sha512sums="d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16
dfa5417f663b8065ba65f4f4ea16de9262728b3b6b85  BSD-Resource-1.2911.tar.gz"
/
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*/

1.287 ncursesbin 6.1-1ubuntu1.18.04

1.287.1 Available under license :
Upstream source https://invisible-island.net/ncurses/ncurses-examples.html

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-----------------------------------------------------------------------------------------------------------------------------------
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-- vile: txtmode file-encoding=utf-8
Upstream source https://invisible-island.net/ncurses/ncurses.html
This package is used for testing builds of ncurses.

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

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-------------------------------------------------------------------------------
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1.288 toggle-selection 1.0.6

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1.289 nginx-module-image-filter 1.17.9-1~buster
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[This is the first released version of the library GPL. It is
numbered 2 because it goes with version 2 of the ordinary GPL.]
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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

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

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

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

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

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

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)
Otherwise, if the work is a derivative of the Library, you may
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a) Accompany the work with the complete corresponding
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uses the Library", as object code and/or source code, so that the
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   compelled to copy the source along with the object code.

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1.297 ncurses-base 6.1+20181013-2+deb10u1

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

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* m4/ax_func_which_gethostname_r.m4

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```

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```

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/* Definitions for BSD assembler syntax for Intel 386
   (actually AT&T syntax for insns and operands,
   adapted to BSD conventions for symbol names and debugging.)
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/* Use the Sequent Symmetry assembler syntax.  */

/* Define the syntax of pseudo-ops, labels and comments.  */

/* Prefix for internally generated assembler labels.  If we aren't using
underscores, we are using prefix `.'s to identify labels that should
be ignored, as in `i386/gas.h' --karl@cs.umb.edu */

#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size.  */

#define ASM_BYTE \
#define ASM_SHORT \
#define ASM_LONG \
#define ASM_QUAD \\
   /* Should not be used for 32bit compilation.  */

/* This was suggested, but it shouldn't be right for DBX output. -- RMS */


#define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) */

// Define the syntax of labels and symbol definitions/declarations. */

/* This is how to output an assembler line that says to advance the location counter by SIZE bytes. */

#define ASM_OUTPUT_SKIP(FILE, SIZE) especially
    fprintf (FILE, "t.space " HOST_WIDE_INT_PRINT_UNSIGNED"n", (SIZE))

// Define the syntax of labels and symbol definitions/declarations. */

/* This says how to output an assembler line to define a global common symbol. */

#define ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED) especially
   fputs (.comm ", (FILE)),
   assemble_name ((FILE), (NAME)),
   fprintf ((FILE), ",%u\n", (int)(ROUNDED))

// This says how to output an assembler line to define a local common symbol. */

#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED) especially
   fputs (.lcomm ", (FILE)),
   assemble_name ((FILE), (NAME)),
   fprintf ((FILE), ",%u\n", (int)(ROUNDED))

#if defined HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT) especially
   fputs (.lcomm ", (FILE)),
   assemble_name ((FILE), (NAME)),
   fprintf ((FILE), ",%u,%u\n", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif

// This is how to output an assembler line that says to advance the location counter to a multiple of 2**LOG bytes. */

#define ASM_OUTPUT_ALIGN(FILE, LOG) especially
   if ((LOG)!=0) fprintf ((FILE), "t.align %d\n", (LOG))

// This is how to store into the string BUF the symbol_ref name of an internal numbered label where PREFIX is the class of label and NUM is the number within the class. This is suitable for output with `assemble_name'. */
#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER)\  																								sprintf ((BUF), "*%s%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols. */

#define USER_LABEL_PREFIX "_

/* Sequent has some changes in the format of DBX symbols. */
#define DBX_NO_XREFS 1

/* Don't split DBX symbols into continuations. */
#define DBX_CONTIN_LENGTH 0

/* gnu.classpath.tools.taglets.CopyrightTaglet
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package gnu.classpath.tools.taglets;

import java.util.Map;

import com.sun.tools.doclets.Taglet;

import com.sun.javadoc.Tag;

/**
 * A simple Taglet which handles Copyright information.
 */
public class CopyrightTaglet implements Taglet {

    private static final String NAME = "copyright";
    private static final String HEADER = "Copyright:";

    public String getName() {
        return NAME;
    }

    public boolean inField() {
        return true;
    }

    public boolean inConstructor() {
        return true;
    }

    public boolean inMethod() {
        return true;
    }

    public boolean inOverview() {
        return true;
    }

    public boolean inPackage() {
        return true;
    }

    public boolean inType() {
        return true;
    }

    public boolean isInlineTag() {
        return false;
    }
}
public static void register(Map tagletMap) {
    CopyrightTaglet copyrightTaglet = new CopyrightTaglet();
    tagletMap.put(copyrightTaglet.getName(), copyrightTaglet);
}

public String toString(Tag tag) {
    return toString(new Tag[] { tag });
}

public String toString(Tag[] tags) {
    if (tags.length == 0) {
        return null;
    } else {
        boolean haveValidTag = false;
        for (int i = 0; i < tags.length && !haveValidTag; ++i) {
            if (tags[i].text().length() > 0) {
                haveValidTag = true;
            }
        }
        if (haveValidTag) {
            StringBuffer result = new StringBuffer();
            result.append("<dl>");
            for (int i = 0; i < tags.length; i++) {
                if (tags[i].text().length() > 0) {
                    result.append("<dt><i>Copyright &amp;#169; " + tags[i].text() + "</i></dt> ");
                }
            result.append("</dl>");
            return result.toString();
        } else {
            return null;
        }
    }
}

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therefore falls outside the scope of this License.

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

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

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

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

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

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

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

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

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

That's all there is to it!

\" Automatically generated by Pod::Man 4.09 (Pod::Simple 3.35)
\" Standard preamble:
\" ========================================================================
.de Sp \" Vertical space (when we can't use .PP)
.if t .sp .5v
.if n .sp
.. .de Vb \" Begin verbatim text
.ft CW
.nf
.ne \$1
..
.de Ve \" End verbatim text
.ft R
.fi
..
\" Set up some character translations and predefined strings. \"( will 
\" give an unbreakable dash, \"PI will give pi, \"(L will give a left 
\" double quote, and \"(R will give a right double quote. \"(C will 
\" give a nicer C++. Capital omega is used to do unbreakable dashes and 
\" therefore won't be available. \"(C and \"(C expand to `\n` in nroff, 
\" nothing in troff, for use with C<>.
.tr \(*W-
.ds C+ \v\1v\h'\-1p\v\-'\-1p+\v\-'\-1p'+\v\-'\-1p'
Escape single quotes in literal strings from groff's Unicode transform.

If the F register is >0, we'll generate index entries on stderr for
titles (.TH), headers (.SH), subsections (.SS), items (.Ip), and index
entries marked with X<> in POD. Of course, you'll have to process the
output yourself in some meaningful fashion.

Avoid warning from groff about undefined register 'F'.

Accent mark definitions (@(#)ms.acc 1.5 88/02/08 SMI; from UCB 4.2).
Fear. Run. Save yourself. No user-serviceable parts.

fudge factors for nroff and troff

ds #H 0
ds #V .8m
For nroff, turn off justification. Always turn off hyphenation; it makes way too many mistakes in technical documents.

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gpl\- GNU General Public License

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/* Permission.java -- The superclass for all permission objects

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exception statement from your version. */

package java.security;

import gnu.java.lang.CPStringBuilder;

import java.io.Serializable;
/**
* This class is the abstract superclass of all classes that implement
* the concept of a permission. A permission consists of a permission name
* and optionally a list of actions that relate to the permission. The
* actual meaning of the name of the permission is defined only in the
* context of a subclass. It may name a resource to which access permissions
* are granted (for example, the name of a file) or it might represent
* something else entirely. Similarly, the action list only has meaning
* within the context of a subclass. Some permission names may have no
* actions associated with them. That is, you either have the permission
* or you don't.
*<p> The most important method in this class is </code>implies</code>. This
* checks whether if one has this permission, then the specified
* permission is also implied. As a conceptual example, consider the
* permissions "Read All Files" and "Read File foo". The permission
* "Read All Files" implies that the caller has permission to read the
* file foo.
*<p> </code>Permission</code>'s must be immutable - do not change their
* state after creation.
*<p> @author Aaron M. Renn (arenn@urbanophile.com)
* @see Permissions
* @see PermissionCollection
* @since 1.1
* @status updated to 1.4
* /
public abstract class Permission implements Guard, Serializable
{
 /**
 * Compatible with JDK 1.1+
 */
 private static final long serialVersionUID = -563657022231596674L;

 /**
 * This is the name assigned to this permission object.
 *
 * @serial the name of the permission
 */
 private String name;

 /**
 * Create an instance with the specified name.
 *
 * @param name the permission name
 */
 public Permission(String name)
/**
 * This method implements the <code>Guard</code> interface for this class.
 * It calls the <code>checkPermission</code> method in
 * <code>SecurityManager</code> with this <code>Permission</code> as its
 * argument. This method returns silently if the security check succeeds
 * or throws an exception if it fails.
 * 
 * @param obj the <code>Object</code> being guarded - ignored by this class
 * @throws SecurityException if the security check fails
 * @see GuardedObject
 * @see SecurityManager#checkPermission(Permission)
 */
public void checkGuard(Object obj)
{
    SecurityManager sm = System.getSecurityManager();
    if (sm != null)
        sm.checkPermission(this);
}

/**
 * This method tests whether this <code>Permission</code> implies that the
 * specified <code>Permission</code> is also granted.
 * 
 * @param perm the <code>Permission</code> to test against
 * @return true if perm is implied by this
 */
public abstract boolean implies(Permission perm);

/**
 * Check to see if this object equals obj. Use <code>equals</code>, rather
 * than <code>equals</code>, when making access control decisions.
 * 
 * @param obj the object to compare to
 */
public abstract boolean equals(Object obj);

/**
 * This method returns a hash code for this <code>Permission</code>. It
 * must satisfy the contract of <code>Object.hashCode</code>: it must be
 * the same for all objects that equals considers to be the same.
 * 
 * @return a hash value
 */
public abstract int hashCode();
/**
 * Get the name of this <code>Permission</code>.  
 *
 * @return the name
 */
public final String getName()
{
    return name;
}

/**
 * This method returns the list of actions for this <code>Permission</code>
 * as a <code>String</code>. The string should be in canonical order, for
 * example, both <code>new FilePermission(f, "write,read")</code> and
 * <code>new FilePermission(f, "read,write")</code> have the action list
 * "read,write".
 *
 * @return the action list for this <code>Permission</code>
 */
public abstract String getActions();

/**
 * This method returns an empty <code>PermissionCollection</code> object
 * that can store permissions of this type, or <code>null</code> if no
 * such collection is defined. Subclasses must override this to provide
 * an appropriate collection when one is needed to accurately calculate
 * <code>implies</code>.
 *
 * @return a new <code>PermissionCollection</code>
 */
public PermissionCollection newPermissionCollection()
{
    return null;
}

/**
 * This method returns a <code>String</code> representation of this
 * <code>Permission</code> object. This is in the format:
 * <code>"(" + getClass().getName() + ' ' + getName() + ' ' + getActions
 * + ")"</code>.  
 *
 * @return this object as a <code>String</code>
 */
public String toString()
{
    CPStringBuilder string = new CPStringBuilder();

    string.append(getClass().getName())
            .append(' ')
            .append(getName())
            .append(' ')
            .append(getActions());

    return string.toString();
}
string = string.append('(');
string = string.append(getClass().getName());
string = string.append(' ');
string = string.append(getName());

if (!(getActions().equals("")))
{
    string = string.append(' ');
    string = string.append(getActions());
}

string = string.append(')');
return string.toString();

} // class Permission

Permissions = enum PLAY, RECORD
AllPermission = enum
CL

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Version 2, June 1991

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/**
 * This interface provides information about a permission that can be
 * granted. Note that this is <em>not</em> the same as the class
public interface Permission
{
/**
 * This method tests whether or not a specified
 * (passed as an Object) is the same as this permission.
 * @param perm The permission to check for equality
 * @return true if the specified permission is the same as this one, false otherwise
 */
boolean equals (Object perm);

/**
 * This method returns this Permission as a String.
 * @return A String representing this permission.
 */
String toString();
}
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* m4/ax_func_which_gethostbyname_r.m4

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<acronym>GNU</acronym> General Public License version 3
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package gnu.classpath.tools.taglets;

import java.util.Map;

import com.sun.tools.doclets.Taglet;

import com.sun.javadoc.Tag;

/**
 *  A simple Taglet which handles Copyright information.
 */
public class CopyrightTaglet implements Taglet {

private static final String NAME = "copyright";
private static final String HEADER = "Copyright:";

public String getName() {
    return NAME;
}

public boolean inField() {
    return true;
}

public boolean inConstructor() {
    return true;
}
public boolean inMethod() {
    return true;
}

public boolean inOverview() {
    return true;
}

public boolean inPackage() {
    return true;
}

public boolean inType() {
    return true;
}

public boolean isInlineTag() {
    return false;
}

public static void register(Map tagletMap) {
    CopyrightTaglet copyrightTaglet = new CopyrightTaglet();
    tagletMap.put(copyrightTaglet.getName(), copyrightTaglet);
}

public String toString(Tag tag) {
    return toString(new Tag[] { tag });
}

public String toString(Tag[] tags) {
    if (tags.length == 0) {
        return null;
    }
    else {
        boolean haveValidTag = false;
        for (int i = 0; i < tags.length && !haveValidTag; ++i) {
            if (tags[i].text().length() > 0) {
                haveValidTag = true;
            }
        }
        if (haveValidTag) {
            StringBuffer result = new StringBuffer();
            result.append("<dl>");
            for (int i = 0; i < tags.length; i++) {
                if (tags[i].text().length() > 0) {
                    result.append("<dt><i>Copyright &amp;#169; " + tags[i].text() + "</i><dt>");
                }
            }
        }
    }
}
Escape single quotes in literal strings from groff's Unicode transform.

If the F register is >0, we'll generate index entries on stderr for

titles (.TH), headers (.SH), subsections (.SS), items (.Ip), and index

titles marked with X<> in POD. Of course, you'll have to process the

output yourself in some meaningful fashion.

Avoid warning from groff about undefined register 'F'.

describe IX

.. if \!nF .nr F 0
.. if \!nF>0 \|
   . de IX
   . tm Index:\$1\n%\n"\$2"
.. if \!nF==2 \|
   . nr % 0
   . nr F 2
   . \}
IX
IX

Accent mark definitions (@(#)ms.acc 1.5 88/02/08 SMI; from UCB 4.2).

Fear. Run. Save yourself. No user-serviceable parts.

fudge factors for nroff and troff

.. if \!n \|
   . ds #H 0
   . ds #V .8m
   . ds #F .3m
   . ds #\m
   . ds #\nP
IX
.. if \!t \|
   . ds #H ((1u-(\n(fu%2u))^*.13m)
   . ds #V .6m
   . ds #F 0
   . ds #\&
   . ds #\&
IX

Simple accents for nroff and troff

.. if \!n \|
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6b.  
.IP "d." 4  
.IX Item "d."  
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.IP "e." 4  
.IX Item "e."  
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.RE  
.RS 4  
.Sp  
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SEE ALSO

`gfdl`(7), `sf-funding`(7).

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#pragma interface

#include <java/lang/Object.h>
extern "Java"
{
    namespace java
    {
        namespace security
        {
            namespace acl
            {
                class Permission;
            }
        }
    }
}
class java::security::acl::Permission : public ::java::lang::Object
{

public:
    virtual jboolean equals(::java::lang::Object *) = 0;
    virtual ::java::lang::String * toString() = 0;
    static ::java::lang::Class class$;
} __attribute__ ((java_interface));

#endif // __java_security_acl_Permission__

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@enumerate a
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@item
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@item
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@item
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@item
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@example
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@end smallexample

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@example
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@end smallexample

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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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// DO NOT EDIT THIS FILE - it is machine generated -*- c++ -*-

#ifndef __java_security_Permission__
#define __java_security_Permission__

#pragma interface

#include <java/lang/Object.h>
extern "Java"
{
namespace java
{
namespace security
{
class Permission;
class PermissionCollection;
}
}
}

class java::security::Permission : public ::java::lang::Object
{
public:
    Permission(::java::lang::String *);
    virtual void checkGuard(::java::lang::Object *);
    virtual jboolean implies(::java::security::Permission *) = 0;
    virtual jboolean equals(::java::lang::Object *) = 0;
    virtual jint hashCode() = 0;
    virtual ::java::lang::String * getName();
    virtual ::java::lang::String * getActions() = 0;
    virtual ::java::security::PermissionCollection * newPermissionCollection();
    virtual ::java::lang::String * toString();
private:
    static const jlong serialVersionUID = -563657022231596674LL;
    ::java::lang::String *__attribute__((aligned(__alignof__(::java::lang::Object)))) name;
public:
    static ::java::lang::Class class$;
};

#endif // __java_security_Permission__
/* Permission.java -- The superclass for all permission objects

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package java.security;

import gnu.java.lang.CPStringBuilder;

import java.io.Serializable;

/**
 * This class is the abstract superclass of all classes that implement
 * the concept of a permission. A permission consists of a permission name
 * and optionally a list of actions that relate to the permission. The
 * actual meaning of the name of the permission is defined only in the
*/
context of a subclass. It may name a resource to which access permissions
are granted (for example, the name of a file) or it might represent
something else entirely. Similarly, the action list only has meaning
within the context of a subclass. Some permission names may have no
actions associated with them. That is, you either have the permission
or you don't.

<p>The most important method in this class is <code>implies</code>. This
permission is also implied. As a conceptual example, consider the
permissions "Read All Files" and "Read File foo". The permission
"Read All Files" implies that the caller has permission to read the
file foo.

<p><code>Permission</code>'s must be immutable - do not change their
state after creation.

@since 1.1
@status updated to 1.4
*/
public abstract class Permission implements Guard, Serializable
{
/**
 * Compatible with JDK 1.1+.
 */
private static final long serialVersionUID = -5636570222231596674L;

/**
 * This is the name assigned to this permission object.
 *
 * @serial the name of the permission
 */
private String name;

/**
 * Create an instance with the specified name.
 *
 * @param name the permission name
 */
public Permission(String name)
{
this.name = name;
}
/**
* This method implements the <code>Guard</code> interface for this class.
* It calls the <code>checkPermission</code> method in
* <code>SecurityManager</code> with this <code>Permission</code> as its
* argument. This method returns silently if the security check succeeds
* or throws an exception if it fails.
*
* @param obj the <code>Object</code> being guarded - ignored by this class
* @throws SecurityException if the security check fails
* @see GuardedObject
* @see SecurityManager#checkPermission(Permission)
*/
public void checkGuard(Object obj)
{
    SecurityManager sm = System.getSecurityManager();
    if (sm != null)
        sm.checkPermission(this);
}

/**
* This method tests whether this <code>Permission</code> implies that the
* specified <code>Permission</code> is also granted.
*
* @param perm the <code>Permission</code> to test against
* @return true if perm is implied by this
*/
public abstract boolean implies(Permission perm);

/**
* Check to see if this object equals obj. Use <code>implies</code>, rather
* than <code>equals</code>, when making access control decisions.
*
* @param obj the object to compare to
*/
public abstract boolean equals(Object obj);

/**
* This method returns a hash code for this <code>Permission</code>. It
* must satisfy the contract of <code>Object.hashCode</code>: it must be
* the same for all objects that equals considers to be the same.
*
* @return a hash value
*/
public abstract int hashCode();

/**
* Get the name of this <code>Permission</code>.
*
* @return the name
public final String getName()
{
    return name;
}

/**
 * This method returns the list of actions for this <code>Permission</code>
 * as a <code>String</code>. The string should be in canonical order, for
 * example, both <code>new FilePermission(f, "write,read")</code> and
 * <code>new FilePermission(f, "read,write")</code> have the action list
 * "read,write".
 *
 * @return the action list for this <code>Permission</code>
 */
public abstract String getActions();

/**
 * This method returns an empty <code>PermissionCollection</code> object
 * that can store permissions of this type, or <code>null</code> if no
 * such collection is defined. Subclasses must override this to provide
 * an appropriate collection when one is needed to accurately calculate
 * <code>implies</code>.
 *
 * @return a new <code>PermissionCollection</code>
 */
public PermissionCollection newPermissionCollection()
{
    return null;
}

/**
 * This method returns a <code>String</code> representation of this
 * <code>Permission</code> object. This is in the format:
 * <code>'(' + getClass().getName() + ' ' + getName() + ' ' + getActions
 * + ')'</code>.
 *
 * @return this object as a <code>String</code>
 */
public String toString()
{
    CPStringBuilder string = new CPStringBuilder();

    string = string.append('(');
    string = string.append(getClass().getName());
    string = string.append(' ');
    string = string.append(getName());
    string = string.append(' ');
    string = string.append(getActions);
    string = string.append(')');

    return string.toString();
}
if (!(getActions().equals("")))
{
    string = string.append(' ');
    string = string.append(getActions());
}

string = string.append(')');
return string.toString();
}
} // class Permission

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define __gnu_javax_sound_AudioSecurityManager$Permission__

#pragma interface

#include <java/lang/Enum.h>
#include <gcj/array.h>

extern "Java"
{
namespace gnu
{
namespace javax
{
namespace sound
{

class AudioSecurityManager$Permission : public ::java::lang::Enum
{

AudioSecurityManager$Permission(::java::lang::String *, jint);

public:
static JArray< ::gnu::javax::sound::AudioSecurityManager$Permission * > * values();
static ::gnu::javax::sound::AudioSecurityManager$Permission * valueOf(::java::lang::String *);
static ::gnu::javax::sound::AudioSecurityManager$Permission * PLAY;
static ::gnu::javax::sound::AudioSecurityManager$Permission * RECORD;
static ::gnu::javax::sound::AudioSecurityManager$Permission * ALL;
private:
static JArray< ::gnu::javax::sound::AudioSecurityManager$Permission * > * ENUM$VALUES;
public:
static ::java::lang::Class class$;
};

#endif // __gnu_javax_sound_AudioSecurityManager$Permission__
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package java.security.acl;

/**
 * This interface provides information about a permission that can be
 * granted. Note that this is <em>not</em> the same as the class
 * <code>java.security.Permission</code>.
 *
 * @version 0.0
 *
 * @author Aaron M. Renn (arenn@urbanophile.com)
 */
public interface Permission
{

 /**
 * This method tests whether or not a specified <code>Permission</code>
 * (passed as an <code>Object</code>) is the same as this permission.
 *
 * @param perm The permission to check for equality
 *
 * @return <code>true</code> if the specified permission is the same as this one, <code>false</code> otherwise
 */
boolean equals (Object perm);

 /**
 * This method returns this <code>Permission</code> as a <code>String</code>.
 *
 * @return A <code>String</code> representing this permission.
 */
String toString();
}

This is an attempt to acknowledge early contributions to the garbage
collector. Later contributions should instead be mentioned in
README.changes.

HISTORY -

Early versions of this collector were developed as a part of research
projects supported in part by the National Science Foundation
and the Defense Advance Research Projects Agency.
The garbage collector originated as part of the run-time system for
the Russell programming language implementation. The first version of the
garbage collector was written primarily by Al Demers. It was then refined
and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U.,
the University of Washington, Rice University (where it was first used for
C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant
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Some other contributors:

More recent contributors are mentioned in the modification history in
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The SPARC specific code was originally contributed by Mark Weiser.
The Encore Multimax modifications were supplied by
Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely
due to Vernon Lee, on machines made available to Rice by IBM.
Much of the HP specific code and a number of good suggestions for improving the
generic code are due to Walter Underwood.
Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code.
Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk)
subsequently provided updates and information on variation between ULTRIX
systems. Parag Patel (parag@netcom.com) supplied the A/UX code.
Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and
Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.
Thomas Funke (thf@zelator.in-berlin.de(?)) and
Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.
Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.
Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader
specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and
Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and
Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes.
Alistair G. Crooks(ace@uts.amdahl.com) supplied the NetBSD and 386BSD ports.
Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.
Brent Benson (brent@jadu.ssd.csd.harris.com) ported the collector to
a Motorola 88K processor running CX/UX (Harris NightHawk).
Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to
nonIBM development environments (a nontrivial task).
Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.
David Chase, then at Olivetti Research, suggested several improvements.
Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the
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Jesse Hull and John Ellis supplied the C++ interface code.
Zhong Shao performed much of the experimentation that led to the
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#
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#
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#
# It doesn't change code that is known to be maintained elsewhere or
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#
# The script also doesn't change testsuite files, except those in
# libstdc++-v3. This is because libstdc++-v3 has a conformance testsuite,
# while most tests in other directories are just things that failed at some
# point in the past.
#
# Pass --this-year to the script if you want it to add the current year
# to all applicable notices. Pass --quilt if you are using quilt and
# want files to be added to the quilt before being changed.
#
# By default the script will update all directories for which the
# output has been vetted. You can instead pass the names of individual
# directories, including those that haven't been approved. So:
#
#   update-copyright.pl --this-year
#
# is the command that would be used at the beginning of a year to update
# all copyright notices (and possibly at other times to check whether
# new files have been added with old years). On the other hand:
#
#   update-copyright.pl --this-year libjava
#
# would run the script on just libjava/.
# Note that things like --version output strings must be updated before
# this script is run. There's already a separate procedure for that.

import os
import re
import sys
import time
import subprocess

class Errors:
    def __init__ (self):
        self.num_errors = 0

def report (self, filename, string):
    if filename:
        string = filename + ': ' + string
        sys.stderr.write (string + '\n')
        self.num_errors += 1

def ok (self):
    return self.num_errors == 0

class GenericFilter:
    def __init__ (self):
        self.skip_files = set()
        self.skip_dirs = set()
        self.skip_extensions = set()
        self.fossilised_files = set()
        self.own_files = set()

        self.skip_files |= set ({
            # Skip licence files.
            'COPYING',
            'COPYING.LIB',
            'COPYING3',
            'COPYING3.LIB',
            'LICENSE',
            'fdl.texi',
            'gpl_v3.texi',
            'fdl-1.3.xml',
            'gpl-3.0.xml',

            # Skip auto- and libtool-related files
            'aclocal.m4',
            'compile',
            'config.guess',
            'config.sub',
            'depcomp',
        })
def get_line_filter (self, dir, filename):
    if filename.startswith ('ChangeLog'):
        # Ignore references to copyright in changelog entries.
        return re.compile ('\t')
    return None

def skip_file (self, dir, filename):
    if filename in self.skip_files:
        return True
    (base, extension) = os.path.splitext (os.path.join (dir, filename))
    if extension in self.skip_extensions:
        return True
    if extension == '.in':
        # Skip .in files produced by automake.
        if os.path.exists (base + '.am'):
            return True
    # Skip files produced by autogen
    if (os.path.exists (base + '.def')
        and os.path.exists (base + '.tpl')):
return True

# Skip configure files produced by autoconf
if filename == 'configure':
    if os.path.exists (base + '.ac'):
        return True
    if os.path.exists (base + '.in'):
        return True
    return False

def skip_dir (self, dir, subdir):
    return subdir in self.skip_dirs

def is_fossilised_file (self, dir, filename):
    if filename in self.fossilised_files:
        return True
    # Only touch current ChangeLogs.
    if filename != 'ChangeLog' and filename.find ('ChangeLog') >= 0:
        return True
    return False

def by_package_author (self, dir, filename):
    return filename in self.own_files

class Copyright:
    def __init__ (self, errors):
        self.errors = errors

        # Characters in a range of years. Include '.' for typos.
        ranges = '[0-9][\-0-9,\s]+[0-9]'

        # Non-whitespace characters in a copyright holder's name.
        name = '\w\w\,'

        # Matches one year.
        self.year_re = re.compile ('[0-9]+')

        # Matches part of a year or copyright holder.
        self.continuation_re = re.compile (ranges + '\|' + name)

        # Matches a full copyright notice:
        self.copyright_re = re.compile (  
            '\ ([Cc]opyright\s+\([Cc]\)\]  
            '  
            '[Cc]opyright\s+\([Cc]\)\]  
            '  
            '[Cc]opyright\s+%s'  
            '  
            '[Cc]opyright\s+\&copy;'  
        )
# 2: the years. Include the whitespace in the year, so that
# we can remove any excess.
'(\s*?\+ ranges + \s?')
'[@value\{[^{}]*\}]s*'}

# 3: 'by ', if used
'(by\s+)?'

# 4: the copyright holder. Don't allow multiple consecutive
# spaces, so that right-margin gloss doesn't get caught
# (e.g. gnat_ugn.texi).
'(' + name + '+(?:\s+ ' + name + ')*)?'

# A regexp for notices that might have slipped by. Just matching
# 'copyright' is too noisy, and 'copyright.*[0-9]' falls foul of
# HTML header markers, so check for 'copyright' and two digits.
self.other_copyright_re = re.compile('copyright.*[0-9][0-9]',
                                         re.IGNORECASE)
self.comment_re = re.compile('#+|[*]+|;+|%+|//+|@c |dnl ')
self.holders = { '@copying': '@copying' }
self.holder_prefixes = set()

# True to 'quilt add' files before changing them.
self.use_quilt = False

# If set, force all notices to include this year.
self.max_year = None

# Goes after the year(s). Could be ', '.
sself.separator = ','

def add_package_author (self, holder, canon_form = None):
    if not canon_form:
        canon_form = holder
    self.holders[holder] = canon_form
    index = holder.find (',')
    while index >= 0:
        self.holder_prefixes.add (holder[:index])
        index = holder.find (',', index + 1)

def add_external_author (self, holder):
    self.holders[holder] = None

class BadYear():
def __init__ (self, year):
    self.year = year

def __str__ (self):
    return 'unrecognised year: ' + self.year

def parse_year (self, string):
    year = int (string)
    if len (string) == 2:
        if year > 70:
            return year + 1900
    elif len (string) == 4:
        return year
    else:
        raise self.BadYear (string)

def year_range (self, years):
    year_list = [self.parse_year (year)
                 for year in self.year_re.findall (years)]
    assert len (year_list) > 0
    return (min (year_list), max (year_list))

def set_use_quilt (self, use_quilt):
    self.use_quilt = use_quilt

def include_year (self, year):
    assert not self.max_year
    self.max_year = year

def canonicalise_years (self, dir, filename, filter, years):
    # Leave texinfo variables alone.
    if years.startswith ('@value'):
        return years
    (min_year, max_year) = self.year_range (years)
    # Update the upper bound, if enabled.
    if self.max_year and not filter.is_fossilised_file (dir, filename):
        max_year = max (max_year, self.max_year)
    # Use a range.
    if min_year == max_year:
        return '%d' % min_year
    else:
        return '%d-%d' % (min_year, max_year)

def strip_continuation (self, line):
    line = line.lstrip()
    match = self.comment_re.match (line)
if match:
    line = line[match.end():].lstrip()
return line

def is_complete(self, match):
    holder = match.group(4)
    return (holder
        and (holder not in self.holder_prefixes
            or holder in self.holders))

def update_copyright(self, dir, filename, filter, file, line, match):
    orig_line = line
    next_line = None
    pathname = os.path.join(dir, filename)

    intro = match.group(1)
    if intro.startswith('@set'):
        # Texinfo year variables should always be on one line
        after_years = line[match.end(2):].strip()
        if after_years != ':
            self.errors.report(pathname,
                'trailing characters in @set: ' + after_years)
            return (False, orig_line, next_line)
    else:
        # If it looks like the copyright is incomplete, add the next line.
        while not self.is_complete(match):
            try:
                next_line = file.next()
            except StopIteration:
                break
            # If the next line doesn't look like a proper continuation,
            # assume that what we've got is complete.
            continuation = self.strip_continuation(next_line)
            if not self.continuation_re.match(continuation):
                break

            # Merge the lines for matching purposes.
            orig_line += next_line
            line = line.rstrip() + ' ' + continuation
            next_line = None

            # Rematch with the longer line, at the original position.
            match = self.copyright_re.match(line, match.start())
            assert match

            holder = match.group(4)
if filter.by_package_author (dir, filename):
    assert holder not in self.holders

elif not holder:
    self.errors.report (pathname, 'missing copyright holder')
    return (False, orig_line, next_line)

elif holder not in self.holders:
    self.errors.report (pathname, 
                      'unrecognised copyright holder: ' + holder)
    return (False, orig_line, next_line)

else:
    # See whether the copyright is associated with the package
    # author.
    canon_form = self.holders[holder]
    if not canon_form:
        return (False, orig_line, next_line)

    # Make sure the author is given in a consistent way.
    line = (line[:match.start (4)]
            + canon_form
            + line[match.end (4):])

    # Remove any 'by'
    line = line[:match.start (3)] + line[match.end (3):]

    # Update the copyright years.
    years = match.group (2).strip()
    try:
        canon_form = self.canonicalise_years (dir, filename, filter, years)
    except self.BadYear as e:
        self.errors.report (pathname, str (e))
        return (False, orig_line, next_line)

    line = (line[:match.start (2)]
            + ('' if intro.startswith ('copyright = ') else '')
            + canon_form + self.separator
            + line[match.end (2):])

    # Use the standard (C) form.
    if intro.endswith ('right'):
        intro += ' (C)'
    elif intro.endswith ('(c)'):
        intro = intro[:-3] + '(C)'
    line = line[:match.start (1)] + intro + line[match.end (1):]
# Strip trailing whitespace
line = line.rstrip() + 'n'

return (line != orig_line, line, next_line)

def process_file (self, dir, filename, filter):
    pathname = os.path.join (dir, filename)
    if filename.endswith ('.tmp'):
        # Looks like something we tried to create before.
        try:
            os.remove (pathname)
        except OSError:
            pass
        return

    lines = []
    changed = False
    line_filter = filter.get_line_filter (dir, filename)
    with open (pathname, 'r') as file:
        prev = None
        for line in file:
            while line:
                next_line = None
                # Leave filtered-out lines alone.
                if not (line_filter and line_filter.match (line)):
                    match = self.copyright_re.search (line)
                    if match:
                        res = self.update_copyright (dir, filename, filter, 
                            file, line, match)
                        (this_changed, line, next_line) = res
                        changed = changed or this_changed
                    # Check for copyright lines that might have slipped by.
                    elif self.other_copyright_re.search (line):
                        self.errors.report (pathname, 
                            'unrecognised copyright: %s' 
                            % line.strip())
                        lines.append (line)
                        line = next_line
                # If something changed, write the new file out.
                if changed and self.errors.ok():
                    tmp_pathname = pathname + '.tmp'
                    with open (tmp_pathname, 'w') as file:
                        for line in lines:
                            file.write (line)
                if self.use_quilt:
subprocess.call (['quilt', 'add', pathname])

os.rename (tmp_pathname, pathname)

def process_tree (self, tree, filter):
    for (dir, subdirs, filenames) in os.walk (tree):
        # Don't recurse through directories that should be skipped.
        for i in xrange (len (subdirs) - 1, -1, -1):
            if filter.skip_dir (dir, subdirs[i]):
                del subdirs[i]

        # Handle the files in this directory.
        for filename in filenames:
            if filter.skip_file (dir, filename):
                sys.stdout.write ('Skipping %s\n'
                                  % os.path.join (dir, filename))
            else:
                self.process_file (dir, filename, filter)

class CmdLine:
    def __init__ (self, copyright = Copyright):
        self.errors = Errors()
        self.copyright = copyright (self.errors)
        self.dirs = []
        self.default_dirs = []
        self.chosen_dirs = []
        self.option_handlers = dict()
        self.option_help = []

        self.add_option ('--help', 'Print this help', self.o_help)
        self.add_option ('--quilt', '"quilt add" files before changing them',
                         self.o_quilt)
        self.add_option ('--this-year', 'Add the current year to every notice',
                         self.o_this_year)

    def add_option (self, name, help, handler):
        self.option_help.append ((name, help))
        self.option_handlers[name] = handler

    def add_dir (self, dir, filter = GenericFilter()):
        self.dirs.append ((dir, filter))

    def o_help (self, option = None):
        sys.stdout.write ('Usage: %s \[options\] dir1 dir2...\n' % sys.argv[0])
        format = '"-15s %s\n"
        for (what, help) in self.option_help:
            sys.stdout.write (format % (what, help))
        sys.stdout.write ('\nDirectories:\n')
format = '%-25s'

i = 0
for (dir, filter) in self.dirs:
    i += 1
    if i % 3 == 0 or i == len(self.dirs):
        sys.stdout.write (dir + 'n')
    else:
        sys.stdout.write (format % dir)
sys.exit (0)

def o_quilt (self, option):
    self.copyright.set_use_quilt (True)

def o_this_year (self, option):
    self.copyright.include_year (time.localtime().tm_year)

def main (self):
    for arg in sys.argv[1:]:
        if arg[1:] != '-':
            self.chosen_dirs.append (arg)
        elif arg in self.option_handlers:
            self.option_handlers[arg] (arg)
        else:
            self.errors.report (None, 'unrecognised option: ' + arg)

if self.errors.ok():
    if len (self.chosen_dirs) == 0:
        self.chosen_dirs = self.default_dirs
    if len (self.chosen_dirs) == 0:
        self.o_help()
    else:
        for chosen_dir in self.chosen_dirs:
            canon_dir = os.path.join (chosen_dir, '')
            count = 0
            for (dir, filter) in self.dirs:
                if (dir + os.sep).startswith (canon_dir):
                    count += 1
                    self.copyright.process_tree (dir, filter)
            if count == 0:
                self.errors.report (None, 'unrecognised directory: ' + chosen_dir)
                sys.exit (0 if self.errors.ok() else 1)

#----------------------------------------------------------------------------
class TopLevelFilter (GenericFilter):
    def skip_dir (self, dir, subdir):
        return True
class ConfigFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

    def skip_file (self, dir, filename):
        if filename.endswith ('.m4'):
            pathname = os.path.join (dir, filename)
            with open (pathname) as file:
                # Skip files imported from gettext.
                if file.readline().find ('gettext-') >= 0:
                    return True
            return GenericFilter.skip_file (self, dir, filename)

class GCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_files |= set ({
            # Not part of GCC
            'math-68881.h',
        })

        self.skip_dirs |= set ({
            # Better not create a merge nightmare for the GNAT folks.
            'ada',

            # Handled separately.
            'testsuite',
        })

        self.skip_extensions |= set ({
            # Maintained by the translation project.
            '.po',

            # Automatically-generated.
            '.pot',
        })

        self.fossilised_files |= set ({
            # Old news won't be updated.
            'ONEWS',
        })

class TestsuiteFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)
def skip_file(self, dir, filename):
    # g++.niklas/README contains historical copyright information
    # and isn't updated.
    if filename == 'README' and os.path.basename(dir) == 'g++.niklas':
        return True
    return GenericFilter.skip_file(self, dir, filename)

class LibCppFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_extensions |= set(['
            # Maintained by the translation project.
            '.po',

            # Automatically-generated.
            '.pot',
        ])

class LibGCCFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_dirs |= set(['
            # Imported from GLIBC.
            'soft-fp',
        ])

class LibJavaFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_dirs |= set(['
            # Handled separately.
        ']}

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def get_line_filter (self, dir, filename):
    if filename == 'NameDecoder.h':
        return re.compile ('.*NAME_COPYRIGHT')
    if filename == 'ICC_Profile.h':
        return re.compile ('.*icSigCopyrightTag')
    return GenericFilter.get_line_filter (self, dir, filename)

class LibMudflapFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set ({
            # Handled separately.
            'testsuite',
        })

class LibStdCxxFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_files |= set ({
            # Contains no copyright of its own, but quotes the GPL.
            'intro.xml',
        })

        self.skip_dirs |= set ({
            # Contains automatically-generated sources.
            'html',

            # The testsuite data files shouldn't be changed.
            'data',

            # Contains imported images
            'images',
        })

        self.own_files |= set ({
            # Contains markup around the copyright owner.
        })
'spine.xml',
])

def get_line_filter (self, dir, filename):
    if filename == 'boost_concept_check.h':
        return re.compile ('// (C) Copyright Jeremy Siek')
    return GenericFilter.get_line_filter (self, dir, filename)

class GCCCopyright (Copyright):
    def __init__ (self, errors):
        Copyright.__init__ (self, errors)

canon_fsf = 'Free Software Foundation, Inc.'
self.add_package_author ('Free Software Foundation', canon_fsf)
self.add_package_author ('Free Software Foundation', canon_fsf)
self.add_package_author ('Free Software Foundation Inc.', canon_fsf)
self.add_package_author ('Free Software Foundation, Inc', canon_fsf)
self.add_package_author ('Free Software Foundation, Inc.', canon_fsf)
self.add_package_author ('The Free Software Foundation', canon_fsf)
self.add_package_author ('The Free Software Foundation, Inc.', canon_fsf)
self.add_package_author ('Software Foundation, Inc.', canon_fsf)

self.add_external_author ('ARM')
self.add_external_author ('AdaCore')
self.add_external_author ('Ami Tavory and Vladimir Dreizin, IBM-HRL.')
self.add_external_author ('Cavium Networks.')
self.add_external_author ('Faraday Technology Corp.')
self.add_external_author ('Florida State University')
self.add_external_author ('Greg Colvin and Beman Dawes.')
self.add_external_author ('Hewlett-Packard Company')
self.add_external_author ('Information Technology Industry Council.')
self.add_external_author ('James Theiler, Brian Gough')
self.add_external_author ('Makoto Matsumoto and Takuji Nishimura,')
self.add_external_author ('National Research Council of Canada.')
self.add_external_author ('NVIDIA Corporation')
self.add_external_author ('Peter Dimov and Multi Media Ltd.')
self.add_external_author ('Peter Dimov')
self.add_external_author ('Pipeline Associates, Inc.')
self.add_external_author ('Regents of the University of California.')
self.add_external_author ('Silicon Graphics Computer Systems, Inc.')
self.add_external_author ('Silicon Graphics')
self.add_external_author ('Stephen L. Moshier')
self.add_external_author ('Sun Microsystems, Inc. All rights reserved.')
self.add_external_author ('The Go Authors. All rights reserved.')
self.add_external_author ('The Regents of the University of California')
self.add_external_author ('Unicode, Inc.')
class GCCCmdLine (CmdLine):
    def __init__ (self):
        CmdLine.__init__ (self, GCCCopyright)

        self.add_dir ('.', TopLevelFilter())
        # boehm-gc is imported from upstream.
        self.add_dir ('config', ConfigFilter())
        # contrib isn't really part of GCC.
        self.add_dir ('fixincludes')
        self.add_dir ('gcc', GCCFilter())
        self.add_dir (os.path.join ('gcc', 'testsuite'), TestsuiteFilter())
        self.add_dir ('gnattools')
        self.add_dir ('include')
        self.add_dir ('libada')
        self.add_dir ('libatomic')
        self.add_dir ('libbacktrace')
        self.add_dir ('libcpp', LibCppFilter())
        self.add_dir ('libdecnumber')
        # libffi is imported from upstream.
        self.add_dir ('libgcc', LibGCCFilter())
        self.add_dir ('libgfortran')
        self.add_dir ('libgomp')
        self.add_dir ('libiberty')
        self.add_dir ('libitm')
        self.add_dir ('libjava', LibJavaFilter())
        self.add_dir (os.path.join ('libjava', 'testsuite'), TestsuiteFilter())
        self.add_dir ('libmudflap', LibMudflapFilter())
        self.add_dir (os.path.join ('libmudflap', 'testsuite'), TestsuiteFilter())
        self.add_dir ('libobjc')
        self.add_dir ('libquadmath')
        # libsanitiser is imported from upstream.
        self.add_dir ('libssp')
        self.add_dir ('libstdc++-v3', LibStdCxxFilter())
        self.add_dir ('libvtv')
        self.add_dir ('lto-plugin')
        # zlib is imported from upstream.

        self.default_dirs = ['gcc',
                             'libada',
                             'libatomic',
                             'libbacktrace',
                             'libcpp',
                             'libdecnumber',
                             'libgcc']
GCCCmdLine().main()

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Version 2.1, February 1999

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

Preamble

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This license, the Lesser General Public License, applies to some
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strategy to use in any particular case, based on the explanations
below.

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it in new free programs; and that you are informed that you can do
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To protect your rights, we need to make restrictions that forbid
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For example, if you distribute copies of the library, whether gratis
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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
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To protect each distributor, we want to make it very clear that
there is no warranty for the free library. Also, if the library is
modified by someone else and passed on, the recipients should know
that what they have is not the original version, so that the original
author's reputation will not be affected by problems that might be
introduced by others.

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

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

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

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

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

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

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

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

^L

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

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

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6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse
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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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

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

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

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on
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- Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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@end enumerate

@if tex
@heading END OF TERMS AND CONDITIONS
@end if tex
@if info
@center END OF TERMS AND CONDITIONS
@end if info

@if page
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/* Definitions for BSD assembler syntax for Intel 386
   (actually AT&T syntax for insns and operands,
   adapted to BSD conventions for symbol names and debugging.)
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/* Use the Sequent Symmetry assembler syntax.  */

/* Define the syntax of pseudo-ops, labels and comments.  */

/* Prefix for internally generated assembler labels.  If we aren't using
underscores, we are using prefix "."s to identify labels that should
be ignored, as in `i386/gas.h' --karl@cs.umb.edu */

#define LPREFIX "L"
/* Assembler pseudos to introduce constants of various size. */

#define ASM_BYTE "\t.byte\t"
#define ASM_SHORT "\t.word\t"
#define ASM_LONG "\t.long\t"
#define ASM_QUAD "\t.quad\t" /* Should not be used for 32bit compilation. */

/* This was suggested, but it shouldn't be right for DBX output. -- RMS */
#define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) */

/* Define the syntax of labels and symbol definitions/declarations. */

/* This is how to output an assembler line
   that says to advance the location counter by SIZE bytes. */

#define ASM_OUTPUT_SKIP(FILE, SIZE) 
  fprintf (FILE, "\t.space " HOST_WIDE_INT_PRINT_UNSIGNED"\n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations. */

/* This says how to output an assembler line
   to define a global common symbol. */

#define ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED) 
  ( fputs (".comm ", (FILE)),
    assemble_name ((FILE), (NAME)),
    fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

/* This says how to output an assembler line
   to define a local common symbol. */

#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED) 
  ( fputs (".lcomm ", (FILE)),
    assemble_name ((FILE), (NAME)),
    fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

#ifdef HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT) 
  ( fputs (".lcomm ", (FILE)),
    assemble_name ((FILE), (NAME)),
    fprintf ((FILE), ",%u,%u\n", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif

/* This is how to output an assembler line
   that says to advance the location counter
to a multiple of 2**LOG bytes. */
#define ASM_OUTPUT_ALIGN(FILE,LOG)\    if ((LOG)!=0) fprintf ((FILE), "\t.align %d\n", (LOG))

/* This is how to store into the string BUF the symbol_ref name of an internal numbered label where PREFIX is the class of label and NUM is the number within the class. This is suitable for output with `assemble_name'. */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER)\    sprintf ((BUF), "\%s%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols. */

#define USER_LABEL_PREFIX "_"

/* Sequent has some changes in the format of DBX symbols. */
#define DBX_NO_XREFS 1

/* Don't split DBX symbols into continuations. */
#define DBX_CONTIN_LENGTH 0

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#
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#
# The script also doesn't change testsuite files, except those in
# libstdc++-v3. This is because libstdc++-v3 has a conformance testsuite,
# while most tests in other directories are just things that failed at some
# point in the past.
#
# Pass --this-year to the script if you want it to add the current year
# to all applicable notices. Pass --quilt if you are using quilt and
# want files to be added to the quilt before being changed.
#
# By default the script will update all directories for which the
# output has been vetted. You can instead pass the names of individual
# directories, including those that haven't been approved. So:
#
# # update-copyright.pl --this-year
#
# is the command that would be used at the beginning of a year to update
# all copyright notices (and possibly at other times to check whether
# new files have been added with old years). On the other hand:
#
# # update-copyright.pl --this-year libjava
#
# would run the script on just libjava/.
#
# Note that things like --version output strings must be updated before
# this script is run. There's already a separate procedure for that.

import os
import re
import sys
import time
import subprocess

class Errors:
    def __init__ (self):
        self.num_errors = 0

    def report (self, filename, string):
        if filename:
            string = filename + ': ' + string
        sys.stderr.write (string + '
')
        self.num_errors += 1

    def ok (self):
        return self.num_errors == 0

class GenericFilter:
    def __init__ (self):
        self.skip_files = set()
        self.skip_dirs = set()
        self.skip_extensions = set()
        self.fossilised_files = set()
        self.own_files = set()

        self.skip_files |= set (['
            # Skip licence files.
            'COPYING',
            'COPYING.LIB',
            'COPYING3',
        ''])
'COPYING3.LIB',
'LICENSE',
'fdl.texi',
'gpl_v3.texi',
'fdl-1.3.xml',
'gpl-3.0.xml',

# Skip auto- and libtool-related files
'aclocal.m4',
'compile',
'config.guess',
'config.sub',
'depcomp',
'install-sh',
'libtool.m4',
'ltmain.sh',
'ltimoptions.m4',
'ltversion.m4',
'It--obsolete.m4',
'missing',
'mkdep',
'mkinstalldirs',
'move-if-change',
'shlibpath.m4',
'symlink-tree',
'ylwrap',

# Skip FSF mission statement, etc.
'gnu.texi',
'funding.texi',
'appendix_free.xml',

# Skip imported texinfo files.
'texinfo.tex',
]

def get_line_filter (self, dir, filename):
    if filename.startswith ('ChangeLog'):
        # Ignore references to copyright in changelog entries.
        return re.compile ('\t')
    return None

def skip_file (self, dir, filename):
    if filename in self.skip_files:
        return True
(base, extension) = os.path.splitext(os.path.join(dir, filename))
if extension in self.skip_extensions:
    return True

if extension == '.in':
    # Skip .in files produced by automake.
    if os.path.exists(base + '.am'):
        return True

    # Skip files produced by autogen
    if (os.path.exists(base + '.def')
        and os.path.exists(base + '.tpl')):
        return True

    # Skip configure files produced by autoconf
    if filename == 'configure':
        if os.path.exists(base + '.ac'):
            return True
        if os.path.exists(base + '.in'):
            return True

    return False

def skip_dir(self, dir, subdir):
    return subdir in self.skip_dirs

def is_fossilised_file(self, dir, filename):
    if filename in self.fossilised_files:
        return True

    # Only touch current current ChangeLogs.
    if filename != 'ChangeLog' and filename.find('ChangeLog') >= 0:
        return True
    return False

def by_package_author(self, dir, filename):
    return filename in self.own_files

class Copyright:
    def __init__(self, errors):
        self.errors = errors

        # Characters in a range of years. Include '.' for typos.
        ranges = '[0-9](?:[-0-9.,\s]\s+and\s+)*[0-9]'

        # Non-whitespace characters in a copyright holder's name.
        name = '[:w,\-]'
# Matches one year.
self.year_re = re.compile('[0-9]+')

# Matches part of a year or copyright holder.
self.continuation_re = re.compile(ranges + '|' + name)

# Matches a full copyright notice:
self.copyright_re = re.compile(
    # 1: 'Copyright (C)', etc.
    '(\[Cc\]opyright' 
    '[\[Cc\]opyrights+\[\[Cc\]y]' 
    '\[Cc\]opyrights+%s' 
    '\[Cc\]opyrights+&copy;' 
    '[[Cc]opyrights+@copyright\]' 
    'copyright = u"' 
    '\@set\s+copyright[\w-]+')

# 2: the years. Include the whitespace in the year, so that
# we can remove any excess.
'(\s*(:? + ranges + '.? 
    \[@value\{[^{}]*\})\s*)'

# 3: 'by ', if used
'(by\s+)\n'

# 4: the copyright holder. Don't allow multiple consecutive
# spaces, so that right-margin gloss doesn't get caught
# (e.g. gnat_ugn.texi).
'( + name + (?:\s? + name + *))?'

# A regexp for notices that might have slipped by. Just matching
# 'copyright' is too noisy, and 'copyright.*[0-9]' falls foul of
# HTML header markers, so check for 'copyright' and two digits.
self.other_copyright_re = re.compile('copyright.*[0-9][0-9]', re.IGNORECASE)

self.comment_re = re.compile('#+|[*]+|;+|%+|//+|@c |dnl ')
self.holders = { '@copying': '@copying' }
self.holder_prefixes = set(

# True to 'quilt add' files before changing them.
self.use_quilt = False

# If set, force all notices to include this year.
self.max_year = None

# Goes after the year(s). Could be ', '.
self.separator = ','
def add_package_author (self, holder, canon_form = None):
    if not canon_form:
        canon_form = holder
    self.holders[holder] = canon_form
    index = holder.find (" ")
    while index >= 0:
        self.holder_prefixes.add (holder[:index])
        index = holder.find (" ", index + 1)

def add_external_author (self, holder):
    self.holders[holder] = None

class BadYear():
    def __init__ (self, year):
        self.year = year

    def __str__ (self):
        return 'unrecognised year: ' + self.year

def parse_year (self, string):
    year = int (string)
    if len (string) == 2:
        if year > 70:
            return year + 1900
    elif len (string) == 4:
        return year
    raise self.BadYear (string)

def year_range (self, years):
    year_list = [self.parse_year (year)
        for year in self.year_re.findall (years)]
    assert len (year_list) > 0
    return (min (year_list), max (year_list))

def set_use_quilt (self, use_quilt):
    self.use_quilt = use_quilt

def include_year (self, year):
    assert not self.max_year
    self.max_year = year

def canonicalise_years (self, dir, filename, filter, years):
    # Leave texinfo variables alone.
    if years.startswith ('@value'):
        return years
    (min_year, max_year) = self.year_range (years)
# Update the upper bound, if enabled.
if self.max_year and not filter.is_fossilised_file(dir, filename):
    max_year = max(max_year, self.max_year)

# Use a range.
if min_year == max_year:
    return '%d' % min_year
else:
    return '%d-%d' % (min_year, max_year)

def strip_continuation(self, line):
    line = line.lstrip()
    match = self.comment_re.match(line)
    if match:
        line = line[match.end():].lstrip()
    return line

def is_complete(self, match):
    holder = match.group(4)
    return (holder
        and (holder not in self.holder_prefixes
            or holder in self.holders))

def update_copyright(self, dir, filename, filter, file, line, match):
    orig_line = line
    next_line = None
    pathname = os.path.join(dir, filename)

    intro = match.group(1)
    if intro.startswith('@set'):
        # Texinfo year variables should always be on one line
        after_years = line[match.end(2):].strip()
        if after_years != ':
            self.errors.report(pathname,
                'trailing characters in @set: ' + after_years)
            return (False, orig_line, next_line)
        else:
            # If it looks like the copyright is incomplete, add the next line.
            while not self.is_complete(match):
                try:
                    next_line = file.next()
                except StopIteration:
                    break

            # If the next line doesn't look like a proper continuation,
            # assume that what we've got is complete.
            continuation = self.strip_continuation(next_line)
if not self.continuation_re.match(continuation):
    break

# Merge the lines for matching purposes.
orig_line += next_line
line = line.rstrip() + ' ' + continuation
next_line = None

# Rematch with the longer line, at the original position.
match = self.copyright_re.match(line, match.start())
assert match
holder = match.group(4)

# Use the filter to test cases where markup is getting in the way.
if filter.by_package_author(dir, filename):
    assert holder not in self.holders

elif not holder:
    self.errors.report(pathname, 'missing copyright holder')
    return(False, orig_line, next_line)

elif holder not in self.holders:
    self.errors.report(pathname, 'unrecognised copyright holder: ' + holder)
    return(False, orig_line, next_line)
else:
    # See whether the copyright is associated with the package
    # author.
    canon_form = self.holders[holder]
    if not canon_form:
        return(False, orig_line, next_line)

    # Make sure the author is given in a consistent way.
    line = (line[:match.start(4)]
            + canon_form
            + line[match.end(4):])

    # Remove any 'by'
    line = line[:match.start(3)] + line[match.end(3):]

    # Update the copyright years.
    years = match.group(2).strip()
    try:
        canon_form = self.canonicalise_years(dir, filename, filter, years)
    except self.BadYear as e:
        self.errors.report(pathname, str(e))
return (False, orig_line, next_line)

line = (line[:match.start (2)])
+ ('' if intro.startswith ('copyright = ') else ' ')
+ canon_form + self.separator
+ line[match.end (2):])

# Use the standard (C) form.
if intro.endswith ('right'):
    intro += ' (C)'
else if intro.endswith ('(c)'):
    intro = intro[:-3] + '(C)'
else:
    line = line[:match.start (1)] + intro + line[match.end (1):]

# Strip trailing whitespace
line = line.rstrip() + '\n'

return (line != orig_line, line, next_line)

def process_file (self, dir, filename, filter):
    pathname = os.path.join (dir, filename)
    if filename.endswith ('.tmp'):
        # Looks like something we tried to create before.
        try:
            os.remove (pathname)
        except OSError:
            pass
    return

    lines = []
    changed = False
    line_filter = filter.get_line_filter (dir, filename)
    with open (pathname, 'r') as file:
        prev = None
        for line in file:
            while line:
                next_line = None
                # Leave filtered-out lines alone.
                if not (line_filter and line_filter.match (line)):
                    match = self.copyright_re.search (line)
                    if match:
                        res = self.update_copyright (dir, filename, filter,
                                                     file, line, match)
                        (this_changed, line, next_line) = res
                        changed = changed or this_changed
                # Check for copyright lines that might have slipped by.
                if self.other_copyright_re.search (line):
                    changed = True
                    break
    return (changed, lines, next_line)
self.errors.report (pathname,
    'unrecognised copyright: %s'
    % line.strip())
lines.append (line)
line = next_line

# If something changed, write the new file out.
if changed and self.errors.ok():
    tmp_pathname = pathname + '.tmp'
    with open (tmp_pathname, 'w') as file:
        for line in lines:
            file.write (line)
    if self.use_quilt:
        subprocess.call (['quilt', 'add', pathname])
    os.rename (tmp_pathname, pathname)

def process_tree (self, tree, filter):
    for (dir, subdirs, filenames) in os.walk (tree):
        # Don't recurse through directories that should be skipped.
        for i in xrange (len (subdirs) - 1, -1, -1):
            if filter.skip_dir (dir, subdirs[i]):
                del subdirs[i]

        # Handle the files in this directory.
        for filename in filenames:
            if filter.skip_file (dir, filename):
                sys.stdout.write ('Skipping %s
' % os.path.join (dir, filename))
            else:
                self.process_file (dir, filename, filter)

class CmdLine:
    def __init__ (self, copyright = Copyright):
        self.errors = Errors()
        self.copyright = copyright (self.errors)
        self.dirs = []
        self.default_dirs = []
        self.chosen_dirs = []
        self.option_handlers = dict()
        self.option_help = []

        self.add_option ('--help', 'Print this help', self.o_help)
        self.add_option ('--quilt', """quilt add" files before changing them",
            self.o_quilt)
        self.add_option ('--this-year', 'Add the current year to every notice',
            self.o_this_year)

    def add_option (self, name, help, handler):

self.option_help.append ((name, help))
self.option_handlers[name] = handler

def add_dir (self, dir, filter = GenericFilter()):
    self.dirs.append ((dir, filter))

def o_help (self, option = None):
    sys.stdout.write ('Usage: %s [options] dir1 dir2...

    Options:
    ' % sys.argv[0])
    format = '%-15s %s
    '
    for (what, help) in self.option_help:
        sys.stdout.write (format % (what, help))
    sys.stdout.write ('
Directories:
    '
    format = '%-25s
    i = 0
    for (dir, filter) in self.dirs:
        i += 1
        if i % 3 == 0 or i == len (self.dirs):
            sys.stdout.write (dir + '
        else:
            sys.stdout.write (format % dir)
    sys.exit (0)

def o_quilt (self, option):
    self.copyright.set_use_quilt (True)

def o_this_year (self, option):
    self.copyright.include_year (time.localtime().tm_year)

def main (self):
    for arg in sys.argv[1:]:
        if arg[1:] != '-':
            self.chosen_dirs.append (arg)
        elif arg in self.option_handlers:
            self.option_handlers[arg] (arg)
        else:
            self.errors.report (None, 'unrecognised option: ' + arg)
    if self.errors.ok():
        if len (self.chosen_dirs) == 0:
            self.chosen_dirs = self.default_dirs
        if len (self.chosen_dirs) == 0:
            self.o_help()
        else:
            for chosen_dir in self.chosen_dirs:
                canon_dir = os.path.join (chosen_dir, '')
                count = 0
                for (dir, filter) in self.dirs:
if (dir + os.sep).startswith (canon_dir):
    count += 1
self.copyright.process_tree (dir, filter)
if count == 0:
    self.errors.report (None, 'unrecognised directory: ' + chosen_dir)
sys.exit (0 if self.errors.ok() else 1)

#-----------------------------------------------------------------------------------------
class TopLevelFilter (GenericFilter):
def skip_dir (self, dir, subdir):
    return True
class ConfigFilter (GenericFilter):
def __init__ (self):
    GenericFilter.__init__ (self)
def skip_file (self, dir, filename):
    if filename.endswith ('.m4'):
        pathname = os.path.join (dir, filename)
        with open (pathname) as file:
            # Skip files imported from gettext.
            if file.readline().find ('gettext-') >= 0:
                return True
    return GenericFilter.skip_file (self, dir, filename)
class GCCFilter (GenericFilter):
def __init__ (self):
    GenericFilter.__init__ (self)
    self.skip_files |= set ([
        # Not part of GCC
        'math-68881.h',
    ])
    self.skip_dirs |= set ([
        # Better not create a merge nightmare for the GNAT folks.
        'ada',
        # Handled separately.
        'testsuite',
    ])
    self.skip_extensions |= set ([
        # Maintained by the translation project.
        '.po',
    ])}
class TestsuiteFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set (
            # Don't change the tests, which could be woend by anyone.
            '.c',
            '.C',
            '.cc',
            '.h',
            '.hs',
            '.f',
            '.f90',
            '.go',
            '.inc',
            '.java',
        )

    def skip_file (self, dir, filename):
        # g++.niklas/README contains historical copyright information
        # and isn't updated.
        if filename == 'README' and os.path.basename (dir) == 'g++.niklas':
            return True
        return GenericFilter.skip_file (self, dir, filename)

class LibCppFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set (
            # Maintained by the translation project.
            '.po',

            # Automatically-generated.
            '.pot',
        )

class LibGCCFilter (GenericFilter):
    def __init__ (self):
GenericFilter.__init__(self)

self.skip_dirs |= set(
    # Imported from GLIBC.
    ['soft-fp'],
)

class LibJavaFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_dirs |= set(
            # Handled separately.
            ['testsuite'],

            # Not really part of the library
            ['contrib'],

            # Imported from upstream
            ['classpath'],
            ['libltdl'],
        )

def get_line_filter(self, dir, filename):
    if filename == 'NameDecoder.h':
        return re.compile('.*NAME_COPYRIGHT')
    if filename == 'ICC_Profile.h':
        return re.compile('.*icSigCopyrightTag')
    return GenericFilter.get_line_filter(self, dir, filename)

class LibMudflapFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_dirs |= set(
            # Handled separately.
            ['testsuite'],
        )

class LibStdCxxFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_files |= set(
            # Contains no copyright of its own, but quotes the GPL.
            ['intro.xml'],
        )
self.skip_dirs |= set([
    # Contains automatically-generated sources.
    'html',
    
    # The testsuite data files shouldn't be changed.
    'data',
    
    # Contains imported images
    'images',
    ])

self.own_files |= set([
    # Contains markup around the copyright owner.
    'spine.xml',
    ])

def get_line_filter(self, dir, filename):
    if filename == 'boost_concept_check.h':
        return re.compile('// \(C\) Copyright Jeremy Siek')
    return GenericFilter.get_line_filter(self, dir, filename)

class GCCCopyright (Copyright):
    def __init__(self, errors):
        Copyright.__init__(self, errors)
        canon_fsf = 'Free Software Foundation, Inc.'
        self.add_package_author ('Free Software Foundation', canon_fsf)
        self.add_package_author ('Free Software Foundation.', canon_fsf)
        self.add_package_author ('Free Software Foundation Inc.', canon_fsf)
        self.add_package_author ('Free Software Foundation, Inc', canon_fsf)
        self.add_package_author ('Free Software Foundation, Inc.', canon_fsf)
        self.add_package_author ('The Free Software Foundation', canon_fsf)
        self.add_package_author ('The Free Software Foundation, Inc.', canon_fsf)
        self.add_package_author ('Software Foundation, Inc.', canon_fsf)

        self.add_external_author ('ARM')
        self.add_external_author ('AdaCore')
        self.add_external_author ('Ami Tavory and Vladimir Dreizin, IBM-HRL:')
        self.add_external_author ('Cavium Networks:')
        self.add_external_author ('Faraday Technology Corp.')
        self.add_external_author ('Florida State University')
        self.add_external_author ('Greg Colvin and Beman Dawes:')
        self.add_external_author ('Hewlett-Packard Company')
        self.add_external_author ('Information Technology Industry Council:')
        self.add_external_author ('James Theiler, Brian Gough')
        self.add_external_author ('Makoto Matsumoto and Takuji Nishimura,')
        self.add_external_author ('National Research Council of Canada:')
        self.add_external_author ('NVIDIA Corporation')
class GCCCmdLine (CmdLine):
    def __init__(self):
        CmdLine.__init__(self, GCCCopyright)

        self.add_dir ('.', TopLevelFilter())
        # boehm-gc is imported from upstream.
        self.add_dir ('config', ConfigFilter())
        # contrib isn't really part of GCC.
        self.add_dir ('fixincludes')
        self.add_dir ('gcc', GCCFilter())
        self.add_dir (os.path.join ('gcc', 'testsuite'), TestsuiteFilter())
        self.add_dir ('gnattools')
        self.add_dir ('include')
        self.add_dir ('libada')
        self.add_dir ('libatomic')
        self.add_dir ('libbacktrace')
        self.add_dir ('libcpp', LibCppFilter())
        self.add_dir ('libdecnumber')
        # libffi is imported from upstream.
        self.add_dir ('libgcc', LibGCCFilter())
        self.add_dir ('libgfortran')
        self.add_dir ('libgomp')
        self.add_dir ('libiberty')
        self.add_dir ('libitm')
        self.add_dir ('libjava', LibJavaFilter())
        self.add_dir (os.path.join ('libjava', 'testsuite'), TestsuiteFilter())
        self.add_dir ('libmudflap', LibMudflapFilter())
        self.add_dir (os.path.join ('libmudflap', 'testsuite'), TestsuiteFilter())
        self.add_dir ('libobjc')
        self.add_dir ('libquadmath')
        # libsanitiser is imported from upstream.
        self.add_dir ('libssp')
self.add_dir ('libstdc++-v3', LibStdCxxFilter())
self.add_dir ('libvtv')
self.add_dir ('lto-plugin')
# zlib is imported from upstream.
self.default_dirs = [
    'gcc',
    'libada',
    'libatomic',
    'libbacktrace',
    'libcpp',
    'libdecnumber',
    'libgcc',
    'libgfortran',
    'libgomp',
    'libitm',
    'libmudflap',
    'libobjc',
    'libstdc++-v3',
]

GCCCmdLine().main()

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// DO NOT EDIT THIS FILE - it is machine generated -*- c++ -*-

#ifndef __java_security_Permission__
#define __java_security_Permission__

#pragma interface

#include <java/lang/Object.h>
extern "Java"
{
namespace java
{
    namespace security
    {
        class Permission;
        class PermissionCollection;
    }
}
class java::security::Permission : public ::java::lang::Object
{

public:
    Permission(::java::lang::String *);
    virtual void checkGuard(::java::lang::Object *);
    virtual jboolean implies(::java::security::Permission *) = 0;
    virtual jboolean equals(::java::lang::Object *) = 0;
    virtual jint hashCode() = 0;
    virtual ::java::lang::String * getName();
    virtual ::java::lang::String * getActions() = 0;
    virtual ::java::security::PermissionCollection * newPermissionCollection();
    virtual ::java::lang::String * toString();

private:
    static const jlong serialVersionUID = -563657022231596674LL;
    ::java::lang::String * __attribute__((aligned(__alignof__(::java::lang::Object)))) name;

public:
    static ::java::lang::Class class$;
};
#endif // __java_security_Permission__

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#pragma interface

#include <java/lang/Object.h>
extern "Java"
{
 namespace java
 {
 namespace security
 {
 namespace acl
 {
 class Permission;
 }
class java::security::acl::Permission : public ::java::lang::Object
{
    public:
        virtual jboolean equals(::java::lang::Object *) = 0;
        virtual ::java::lang::String * toString() = 0;
        static ::java::lang::Class class$;
    } __attribute__ ((java_interface));
    
#endif // __java_security_acl_Permission__
    ...
    _gnu_fdl:

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1.java/security/acl/Permissionjava/lang/Objectequals(Ljava/lang/Object;)ZtoString()Ljava/lang/String;
SourceFilePermission.java

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#define __gnu_javax_sound_AudioSecurityManager$Permission__

#pragma interface

#include <java/lang/Enum.h>
#include <gcj/array.h>

extern "Java"
{
namespace gnu
{
namespace javax
{
namespace sound
{
    class AudioSecurityManager$Permission;
}
}
}

class gnu::javax::sound::AudioSecurityManager$Permission : public ::java::lang::Enum
{
    AudioSecurityManager$Permission(::java::lang::String *, jint);
    public:
    static JArray< ::gnu::javax::sound::AudioSecurityManager$Permission * > * values();
    static ::gnu::javax::sound::AudioSecurityManager$Permission * valueOf(::java::lang::String *);
    static ::gnu::javax::sound::AudioSecurityManager$Permission * PLAY;
    static ::gnu::javax::sound::AudioSecurityManager$Permission * RECORD;
    static ::gnu::javax::sound::AudioSecurityManager$Permission * ALL;
    private:
    static JArray< ::gnu::javax::sound::AudioSecurityManager$Permission * > * ENUM$VALUES;
    public:
    static ::java::lang::Class class$;
};

#endif // __gnu_javax_sound_AudioSecurityManager$Permission__

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1.326 gitdb 4.0.4
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1.327 balanced-match 1.0.0

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1.328 libsigsegv 2.12-1

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/* List of signals that are sent when an invalid virtual memory address
is accessed, or when the stack overflows. */
#define SIGSEGV_FOR_ALL_SIGNALS(var,body) 
{ int var; var = SIGSEGV; { body } var = SIGBUS; { body } }

/* Fault handler information. BSD Unix version.
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Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA. */
#define SIGSEGV_FAULT_HANDLER_ARGLIST  int sig, int code, void *scp, void *addr
#define SIGSEGV_FAULT_ADDRESS  addr

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Version 2, June 1991

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

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1.331 sensible-utils 0.0.12

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1.333 liblcms 2.9-3

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@heading Vincent Rijmen, Antoon Bosselaers, Paulo Barreto

AES in libhcrypto

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rijndael-alg-fst.c

@version 3.0 (December 2000)

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

@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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DES core in libhcrypto

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D3DES (V5.09) -

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


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

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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
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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Automated Testing Framework

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

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

  Author: Julio Merino <jmmv@NetBSD.org>

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

  Author: Julio Merino <jmmv84@gmail.com>

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

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1.349 django-environ 0.4.4

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

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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://developer.github.com/v3/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,omitemempty"`
    Size        *int     `json:"size,omitempty"`
    URL         *string  `json:"url,omitemempty"`
    HTMLURL     *string  `json:"html_url,omitemempty"`
    GitURL      *string  `json:"git_url,omitemempty"`
    DownloadURL *string  `json:"download_url,omitemempty"`
    Type        *string  `json:"type,omitemempty"`
    Content     *string  `json:"content,omitemempty"`
    Encoding    *string  `json:"encoding,omitemempty"`
    License     *License `json:"license,omitemempty"
}

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,omitemempty"`
}
func (l License) String() string {
    return Stringify(l)
}

// List popular open source licenses.
//
// GitHub API docs: https://developer.github.com/v3/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
    }
    licenses := make([]License, 0)
    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://developer.github.com/v3/licenses/#get-an-individual-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 {
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    }
    return license, resp, nil
}
return license, resp, nil

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

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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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tomb - support for clean goroutine termination in Go.

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1.354 invariant 2.2.4

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1.355 libnfsidmap 0.25-5.1

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1.356 fabric 2.4.0

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1.357 is-ip 2.0.0

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1.358 azure-mgmt-sql 0.17.0

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1.359 e2fsprogs 1.43.4 2
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Theodore Ts'o
23-June-2007

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# This is a Makefile stub which handles the creation of BSD shared libraries.
# In order to use this stub, the following makefile variables must be defined.

# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$(BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f $(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) \ 
`echo $(my_dir) | sed -e 's;lib/;;'`/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \ 
$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../../$(BSD_LIB)
/*

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*/

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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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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Gadi Oxman, August 1995

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This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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Index: tdbsa/tdb.c
===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
 */
/*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

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-
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1.361 six 1.11.0 2

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1.367 azure-mgmt-containerinstance 1.5.0

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1.368 smmap 3.0.2
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1.369 elfutils-default-yama-scope 0.176-5.el8

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1.378 d-conf 0.26.0-2ubuntu3

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1.379 libalgorithm-merge-perl 0.08-3

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1.382 libsensors-config 1:3.5.0-3

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Here is a list of the main contributors to lm-sensors version 3.

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* Merlin Hughes
  Original author of sensord.
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* Mark M. Hoffman
  Many improvements to the libsensors configuration file scanner.
* Jean Delvare
  New libsensors API, and migration of sensors and sensord thereto.
  Many optimizations in libsensors and sensors.
  Configuration file converter.
  Rewrite of sensors-detect.
  Support for multiple configuration files in libsensors.

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

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

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

6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a
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modification of the work for the customer's own use and reverse
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of these things:

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

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

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

d) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
specified materials from the same place.
e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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

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

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

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Ty Coon, President of Vice
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1.384 libpamg 1.1.8-3.6

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1.385 django-rest-framework 3.8.2
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1.387 gzip 1.6 5ubuntu1

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d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the
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1.390 elfutils 0.170-0.4ubuntu0.1

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* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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* DNS resolver (dirmngr/dns.c)

** dns.c - Recursive, Reentrant DNS Resolver.**

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

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

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

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

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

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

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1.402 conntrack-tools 1.4.4 9.el8

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1.407 python-setuptools 41.4.0
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--------------------------------------------------------------------------

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Julian Seward, jseward@bzip.org
bzip2/libbz2 version 1.0.6 of 6 September 2010

--------------------------------------------------------------------------
GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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Version 2, June 1991

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1.414 csi-node-driver-registrar 1.0.2

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1.416 libalgorithm-diff-perl 1.19.03-1

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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_context_time.c
lib/gssapi/mechglue/g_delete_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
kprop/kpropd_rpc.c
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.. parsed-literal::

   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
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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_spnego_mech.c

and the initial implementation of incremental propagation, including the following new or changed files:

.. parsed-literal::

    include/iprop_hdr.h
    kadmin/server/ipropd_svc.c
    lib/kdb/iprop.x
    lib/kdb/kdb_convert.c
    lib/kdb/kdb_log.c
    lib/kdb/kdb_log.h
    lib/krb5/error_tables/kdb5_err.et
    kprop/kpropd_rpc.c
    kprop/kproplog.c

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```
lib/gssapi/generic/gssapi_err_generic.c
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
```
and the initial implementation of incremental propagation, including
the following new or changed files:

```c
#include
#include
#include
#include
#include
#include
#include
#include
#include
#include
#include
#include
#include
#include
#include
#include
#include
#include
#include
#include
#include
#include
#include
#include
```

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import sys
import re

def warn(fname, ln, msg):
    print '%s: %d: %s' % (fname, ln + 1, msg)

def indicates_license(line):
    return 'Copyright' in line or 'COPYRIGHT' in line or 'License' in line

# Check a comment for boilerplate violations. Return true if the comment
# is a license statement.

def check_comment(comment, fname, ln, code_seen, nonlicense_seen):
    text_seen = False
    is_license = False
    for line in comment:
        if not is_license and indicates_license(line):
            is_license = True
        if text_seen:
            warn(fname, ln, 'License begins after first line of comment')
        elif code_seen:
            warn(fname, ln, 'License after code')
        elif nonlicense_seen:
            warn(fname, ln, 'License after non-license comments')
        break
    # DB2 licenses start with '/*-' and we don't want to change them.
    if line != '' and line != '-':
        text_seen = True
    return is_license

def check_file(lines, fname):
    # Skip emacs mode line if present.
    ln = 0
    if '-*- mode: c;' in lines[ln]:
        ln += 1
    # Check filename comment if present.
    m = re.match(r'^\* \* (.* \*)? \*\*', lines[ln])
    if m:
        if m.group(1) != fname:
            warn(fname, ln, 'Wrong filename in comment')
        ln += 1

    # Check if the code is well-formatted.
Scan for license statements.
in_comment = False
code_seen = False
nonlicense_seen = False
for line in lines[ln:]:
    # Strip out whitespace and comments contained within a line.
    if not in_comment:
        line = re.sub(r'//.*', '', line)
        line = line.strip()
    if not in_comment and '/*' in line:
        (line, sep, comment_part) = line.partition('/*')
        comment = [comment_part.strip()]
        comment_starts_at = ln
        in_comment = True
    elif in_comment and '*/' not in line:
        comment.append(line.lstrip('*').lstrip())
    elif in_comment:
        (comment_part, sep, line) = line.partition('*/')
        comment.append(comment_part.strip())
    is_license = check_comment(comment, fname, comment_starts_at,
                               code_seen, nonlicense_seen)
    nonlicense_seen = nonlicense_seen or not is_license
    in_comment = False
    elif line.strip() != '':
        code_seen = True
        ln += 1

for fname in sys.argv[1:]:
    if fname.startswith('./'):
        fname = fname[2:]
    f = open(fname)
    lines = f.readlines()
    f.close()
    check_file(lines, fname)
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1.418 aci-containers 4.2.2.2.r32

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1.419 pyasn1-modules 0.2.8

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id AA00672; Tue, 1 Aug 95 08:57:32 EDT
Date: Tue, 1 Aug 95 08:57:32 EDT
From: mikel@ora.com (Michael Loukides)
Message-Id: <9508011257.AA00672@los.ora.com>
Subject: Re: Ksh debugger from Rosenblatt's book [for bash]
To: Chet Ramey <chet@odin.INS.CWRU.Edu>
Cc: cmarie@ora.com, cam@iinet.com.au, brosenblatt@tm.com
In-Reply-To: Chet Ramey <chet@odin.INS.CWRU.Edu>, Mon, 31 Jul 1995 16:22:48 -0400

I've modified a (modified) version of Bill Rosenblatt's ksh debugger
to work with bash-2.0. Does ORA have any problem with me distributing
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That's great!

Go ahead and circulate it; in fact, we should probably grab it and
stick it in our ftp archive, and put a reference to it in the book.
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-------

From friedman@cli.com Thu May 25 12:19:06 1995
Flags: 10
Return-Path: friedman@cli.com
Received: from po.cwru.edu (root@po.CWRU.Edu [129.22.4.2]) by odin.INS.CWRU.Edu with ESMTP (8.6.10+cwru/CWRU-2.1-ins)
id MAA08685; Thu, 25 May 1995 12:19:05 -0400 (from friedman@cli.com for <chet@odin.INS.CWRU.Edu>)
Received: from cli.com (cli.com [192.31.85.1]) by po.cwru.edu with SMTP (8.6.10+cwru/CWRU-2.3)
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Message-Id: <9505251618.AA16031@tepui.cli.com>
From: friedman@gnu.ai.mit.edu (Noah Friedman)
To: chet@po.cwru.edu
>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. :-)
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John

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Chet Ramey

--
```
}{ "The lyf so short, the craft so long to lerne." - Chaucer
}
}{ Chet Ramey, Case Western Reserve University Internet: chet@po.CWRU.Edu
}{-- End of excerpt from Chet Ramey

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1.423 prettytable 0.7.2
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-- vile: txtmode file-encoding=utf-8
1.428 idna 2.8

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1.429 jansson 2.11-1

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1.430 libmnl 1.0.4

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its purpose remains meaningful.

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a purpose that is entirely well-defined independent of the
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**To create a network interface permission**

This example grants permission to account `123456789012` to attach network interface `eni-1a2b3c4d` to an instance.

Command::

```
aws ec2 create-network-interface-permission --network-interface-id eni-1a2b3c4d --aws-account-id 123456789012 --permission INSTANCE-ATTACH
```

Output::

```
{
   "InterfacePermission": {
      "PermissionState": {
         "State": "GRANTED"
      },
      "NetworkInterfacePermissionId": "eni-perm-06fd19020ede149ea",
      "NetworkInterfaceId": "eni-1a2b3c4d",
      "Permission": "INSTANCE-ATTACH",
      "AwsAccountId": "123456789012"
   }
}
```

**To list the licenses in use for a license configuration**

The following `list-usage-for-license-configuration` example lists information about the resources using licenses for the specified license configuration. For example, if the license type is vCPU, any instances consume one license per vCPU. ::

```
aws license-manager list-usage-for-license-configuration \
```

Output::

```
{
   "LicenseConfigurationUsageList": [
      {
         "ResourceType": "EC2_INSTANCE",
         "ResourceStatus": "running",
```
**Example 1: To create a license configuration**

The following `create-license-configuration` example creates a license configuration with a hard limit of 10 cores.

```bash
aws license-manager create-license-configuration --name my-license-configuration --license-counting-type Core --license-count 10 --license-count-hard-limit
```

Output:

```
{
  "LicenseConfigurationArn": "arn:aws:license-manager:us-west-2:123456789012:license-configuration:lic-6eb6586f508a786a2ba41EXAMPLE1111"
}
```

**Example 2: To create a license configuration**

The following `create-license-configuration` example creates a license configuration with a soft limit of 100 vCPUs. It uses a rule to enable vCPU optimization.

```bash
aws license-manager create-license-configuration --name my-license-configuration --license-counting-type vCPU --license-count 100 --license-rules "#honorVcpuOptimization=true"
```

Output:

```
{
  "LicenseConfigurationArn": "arn:aws:license-manager:us-west-2:123456789012:license-configuration:lic-6eb6586f508a786a2ba41EXAMPLE2222"
}
```

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**To delete a network interface permission**

This example deletes the specified network interface permission.

Command:

```bash
aws ec2 delete-network-interface-permission --network-interface-permission-id eni-perm-06fd19020ede149ea
```

Output::

```json
{
   "Return": true
}
```

**To list the tags for a license configuration**

The following ```list-tags-for-resource``` example lists the tags for the specified license configuration. ::

```bash
aws license-manager list-tags-for-resource \
```

Output::

```json
{
   "Tags": [
      {
         "Key": "project",
         "Value": "lima"
      }
   ]
}
```

**To update a license configuration**

The following ```update-license-configuration``` example updates the specified license configuration to remove the hard limit. ::

```bash
aws license-manager update-license-configuration \
   --no-license-count-hard-limit \
   --license-configuration-arn arn:aws:license-manager:us-west-2:880185128111:license-configuration:lic-6eb6586f508a786a2ba4f56c1EXAMPLE
```

This command produces no output.

The following ```update-license-configuration``` example updates the specified license configuration to change its status to ```DISABLED```. ::
aws license-manager update-license-configuration \
   --license-configuration-status DISABLED \
   --license-configuration-arn arn:aws:license-manager:us-west-2:880185128111:license-configuration:lic-6eb6586f508a786a2ba4f56c1EXAMPLE

This command produces no output.
**To add permissions to a layer version**

The following `add-layer-version-permission` example grants permission for the specified account to use version 1 of the layer `my-layer``:

```bash
aws lambda add-layer-version-permission \
   --layer-name my-layer \
   --statement-id xaccount \
   --action lambda:GetLayerVersion \
   --principal 123456789012 \
   --version-number 1
```

Output::

```json
{
"RevisionId": "35d87451-f796-4a3f-a618-95a3671b0a0c",
"Statement":
{
   "Sid":"xaccount",
   "Effect":"Allow",
   "Principal":{
      "AWS":"arn:aws:iam::210987654321:root"
   },
   "Action":"lambda:GetLayerVersion",
}
}
```

For more information, see `AWS Lambda Layers <https://docs.aws.amazon.com/lambda/latest/dg/configuration-layers.html>`__ in the *AWS Lambda Developer Guide*.

**To get license configuration information**

The following `get-license-configuration` example displays details for the specified license configuration. ::

```bash
aws license-manager get-license-configuration \
```

Output::

```json
{
```
"LicenseConfigurationId": "lic-38b658717b87478aaa7c00883EXAMPLE",
"Name": "my-license-configuration",
"LicenseCountingType": "vCPU",
"LicenseRules": [],
"LicenseCountHardLimit": false,
"ConsumedLicenses": 0,
"Status": "AVAILABLE",
"OwnerAccountId": "123456789012",
"ConsumedLicenseSummaryList": [
  {
    "ResourceType": "EC2_INSTANCE",
    "ConsumedLicenses": 0
  },
  {
    "ResourceType": "EC2_HOST",
    "ConsumedLicenses": 0
  },
  {
    "ResourceType": "SYSTEMS_MANAGER_MANAGED_INSTANCE",
    "ConsumedLicenses": 0
  }
],
"ManagedResourceSummaryList": [
  {
    "ResourceType": "EC2_INSTANCE",
    "AssociationCount": 0
  },
  {
    "ResourceType": "EC2_HOST",
    "AssociationCount": 0
  },
  {
    "ResourceType": "EC2_AMI",
    "AssociationCount": 2
  },
  {
    "ResourceType": "SYSTEMS_MANAGER_MANAGED_INSTANCE",
    "AssociationCount": 0
  }
]
]

**To remove tags from a license configuration**

The following `untag-resource` example removes the specified tag (key name and resource) from the specified license configuration. ::

```bash
The following `untag-resource` example removes the specified tag (key name and resource) from the specified license configuration. ::
```
aws license-manager untag-resource \ 
   --tag-keys project \ 
   --resource-arn arn:aws:license-manager:us-west-2:123456789012:license-configuration:lic-6eb6586f508a786a2ba4f56c1EXAMP

This command produces no output.

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**To delete layer-version permissions**

The following `remove-layer-version-permission` example deletes permission for an account to configure a layer version. ::

    aws lambda remove-layer-version-permission \ 
       --layer-name my-layer \ 
       --statement-id xaccount \ 
       --version-number 1

This command produces no output.

For more information, see `AWS Lambda Layers <https://docs.aws.amazon.com/lambda/latest/dg/configuration-layers.html>`__ in the *AWS Lambda Developer Guide*.

**To delete a license configuration**

The following `delete-license-configuration` example deletes the specified license configuration. ::

    aws license-manager delete-license-configuration \ 
       --license-configuration-arn arn:aws:license-manager:us-west-2:123456789012:license-configuration:lic-6eb6586f508a786a2ba4f56c1EXAMP

This command produces no output.

**To get associations for a license configuration**

The following `list-associations-for-license-configuration` example displays detailed information for the associations of the specified license configuration. ::

    aws license-manager list-associations-for-license-configuration \ 
       --license-configuration-arn arn:aws:license-manager:us-west-2:123456789012:license-configuration:lic-
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**To add permissions to an existing Lambda function**

The following `add-permission` example grants the Amazon SNS service permission to invoke a function named `my-function`. ::

    aws lambda add-permission
        --function-name my-function
        --action lambda:InvokeFunction
        --statement-id sns
--principal sns.amazonaws.com

Output::

{
  "Statement": [
    {
      "Sid": "sns",
      "Effect": "Allow",
      "Principal": {
        "Service": "sns.amazonaws.com"
      },
      "Action": "lambda:InvokeFunction",
    }
  ]
}

For more information, see `Using Resource-based Policies for AWS Lambda` <https://docs.aws.amazon.com/lambda/latest/dg/access-control-resource-based.html>`__ in the *AWS Lambda Developer Guide*.

**Example 1: To list all of your license configurations**

The following `list-license-configurations` example lists all your license configurations. ::

```
aws license-manager list-license-configurations
```

Output::

{
  "LicenseConfigurations": [
    {
      "LicenseConfigurationId": "lic-6eb6586f508a786a2ba4f56c1EXAMPLE",
      "LicenseConfigurationArn": "arn:aws:license-manager:us-west-2:123456789012:license-configuration:lic-6eb6586f508a786a2ba4f56c1EXAMPLE",
      "Name": "my-license-configuration",
      "LicenseCountingType": "Core",
      "LicenseRules": [],
      "LicenseCount": 10,
      "LicenseCountHardLimit": true,
      "ConsumedLicenses": 0,
      "Status": "AVAILABLE",
      "OwnerAccountId": "123456789012",
      "ConsumedLicenseSummaryList": [
        {
          "ResourceType": "EC2_INSTANCE",
          "ConsumedLicenses": 0
        }
      ]
    }
  ]
}
"ResourceType": "EC2_HOST",
"ConsumedLicenses": 0
},
{
"ResourceType": "SYSTEMS_MANAGER_MANAGED_INSTANCE",
"ConsumedLicenses": 0
}
],
"ManagedResourceSummaryList": [
{
"ResourceType": "EC2_INSTANCE",
"AssociationCount": 0
},
{
"ResourceType": "EC2_HOST",
"AssociationCount": 0
},
{
"ResourceType": "EC2_AMI",
"AssociationCount": 0
},
{
"ResourceType": "SYSTEMS_MANAGER_MANAGED_INSTANCE",
"AssociationCount": 0
}
]
],
{
...
},
{
...
}
]

**Example 2: To list a specific license configuration**

The following `list-license-configurations` example lists only the specified license configuration. ::

    aws license-manager list-license-configurations

**To list the license configurations for a resource**

The following `list-license-specifications-for-resource` example lists the license configurations associated with the specified Amazon Machine Image (AMI). ::

    aws license-manager list-license-specifications-for-resource
      --resource-arn arn:aws:ec2:us-west-2::image/ami-1234567890abcdef0
To remove a permission:

This example removes the permission with the specified label from the specified queue.

```
Command::

aws sqs remove-permission --queue-url https://sqs.us-east-1.amazonaws.com/80398EXAMPLE/MyQueue --label SendMessagesFromMyQueue
```

```
Output::

None.
```

To get the permissions of a document:

This example lists all the versions for a document.

```
Command::

aws ssm describe-document-permission --name "RunShellScript" --permission-type "Share"
```

```
Output::

{}
   "AccountIds": [
      "all"
   ]
```

To remove permissions from an existing Lambda function:

The following `remove-permission` example removes permission to invoke a function named `my-function`.

```
aws lambda remove-permission \
   --function-name my-function \
   --statement-id sns
```

This command produces no output.

For more information, see `Using Resource-based Policies for AWS Lambda` [here](https://docs.aws.amazon.com/lambda/latest/dg/access-control-resource-based.html) in the *AWS Lambda Developer Guide*.

To add a tag a license configuration:
The following `tag-resource` example adds the specified tag (key name and value) to the specified license configuration. ::

```
aws license-manager tag-resource \
  --tags Key=project,Value=lima \
```

This command produces no output.

**To update the License Manager settings**

The following `update-service-settings` example enables cross-account resource discovery for License Manager in the current AWS Region. The Amazon S3 bucket is the Resource Data Sync required for Systems Manager inventory. ::

```
aws license-manager update-service-settings \
  --organization-configuration EnableIntegration=true \
  --enable-cross-accounts-discovery \
  --s3-bucket-arn arn:aws:s3:::aws-license-manager-service-abcd1234EXAMPLE
```

This command produces no output.

**To modify the permissions for a document**

This example modifies the permissions for a document. There is no output if the command succeeds.

Command::

```
aws ssm modify-document-permission --name "RunShellScript" --permission-type "Share" --account-ids-to-add "All"
```

**To grant per-stack AWS OpsWorks permission levels**

When you import an AWS Identity and Access Management (IAM) user into AWS OpsWorks by calling `create-user-profile`, the user has only those permissions that are granted by the attached IAM policies.

You can grant AWS OpsWorks permissions by modifying a user's policies.

However, it is often easier to import a user and then use the `set-permission` command to grant the user one of the standard permission levels for each stack to which the user will need access.

The following example grants permission for the specified stack for a user, who is identified by Amazon Resource Name (ARN). The example grants the user a Manage permissions level, with
sudo and SSH privileges on the stack's instances. ::

```bash
aws opsworks set-permission --region us-east-1 --stack-id 71c7ca72-55ae-4b6a-8ee1-a8dcde3fa0f --level manage --iam-user-arn arn:aws:iam::123456789102:user/cli-user-test --allow-ssh --allow-sudo
```

*Output*: None.

**More Information**

For more information, see `Granting AWS OpsWorks Users Per-Stack Permissions`_ in the *AWS OpsWorks User Guide*.


**To list resources in the resource inventory**

The following ```list-resource-inventory`` example lists the resources managed using Systems Manager inventory. ::

```bash
aws license-manager list-resource-inventory
```

Output::

```json
{
"ResourceInventoryList": [

{"Platform": "Red Hat Enterprise Linux Server",
"ResourceType": "EC2Instance",
"PlatformVersion": "7.4",
"ResourceArn": "arn:aws:ec2:us-west-2:1234567890129:instance/i-05d3cfd05bd36376",
"ResourceId": "i-05d3cfd05bd36376",
"ResourceOwningAccountId": "1234567890129"},

{"Platform": "Amazon Linux",
"ResourceType": "EC2Instance",
"PlatformVersion": "2",
"ResourceId": "i-0b1d036cfd4594808",
"ResourceOwningAccountId": "1234567890129"},

{"Platform": "Microsoft Windows Server 2019 Datacenter",
"ResourceType": "EC2Instance",
"PlatformVersion": "10.0.17763",
"ResourceArn": "arn:aws:ec2:us-west-2:1234567890129:instance/i-0cdb3b54a2a8246ad",
"ResourceId": "i-0cdb3b54a2a8246ad",
```

---

**Open Source Used In Cisco Container Platform 6.1.014716**
This example removes permissions from the resource for the specified principal.

**Command:**

```bash
aws workdocs remove-resource-permission --resource-id 1ece93e5fe75315c740767918b4fd9da87d8b2af5888e67b7fda49a98fde678 --principal-id anonymous
```

**Output:**

None

**To get the permissions of a document**

This example lists all the versions for a document.

**Command:**

```bash
aws ssm describe-document-permission --name "RunShellScript" --permission-type "Share"
```

**Output:**

```json
{
  "AccountIds": [
    "all"
  ]
}
```

**To update the license configurations for a resource**

The following `update-license-specifications-for-resource` example replaces the license configuration associated with the specified Amazon Machine Image (AMI) by removing one license configuration and adding another.

```bash
aws license-manager update-license-specifications-for-resource \
  --resource-arn arn:aws:ec2:us-west-2::image/ami-1234567890abcdef0 \
  --remove-license-specifications LicenseConfigurationArn= arn:aws:license-manager:us-west-2:123456789012:license-configuration:lic-38b658717b87478aaa7c00883EXAMPE \ 
```

This command produces no output.

**To get the License Manager settings**

The following `get-service-settings` example displays the service settings for License Manager in the current Region.
aws license-manager get-service-settings

The following shows example output if cross-account resource discovery is disabled. ::

```
{
    "OrganizationConfiguration": {
        "EnableIntegration": false
    },
    "EnableCrossAccountsDiscovery": false
}
```

The following shows example output if cross-account resource discovery is enabled. ::

```
{
    "S3BucketArn": "arn:aws:s3:::aws-license-manager-service-c22d6279-35c4-47c4-bb",
    "OrganizationConfiguration": {
        "EnableIntegration": true
    },
    "EnableCrossAccountsDiscovery": true
}
```

**To add a permission to a queue**

This example enables the specified AWS account to send messages to the specified queue.

Command::

```
aws sqs add-permission --queue-url https://sqs.us-east-1.amazonaws.com/80398EXAMPLE/MyQueue --label SendMessagesFromMyQueue --aws-account-ids 12345EXAMPLE --actions SendMessage
```

Output::

None.

**To delete a network interface permission**

This example deletes the specified network interface permission.

Command::

```
aws ec2 delete-network-interface-permission --network-interface-permission-id eni-perm-06fd19020ede149ea
```

Output::

```
{
    "Return": true
}
```
1.433 knack 0.6.3

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1.434 azure-common 1.1.22

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1.435 grub-gfxpayload-lists 0.7

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1.436 etcd 3.3.17

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Protocol Buffers for Go with Gadgets

Go support for Protocol Buffers - Google's data interchange format
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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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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1.437 xorg 1:7.7+19ubuntu7.1

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Source Package: xorg

Debian/Ubuntu package authors: Branden Robinson, Fabio M. Di Nitto, Daniel Stone and others

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1.438 ipset 6.30-2

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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.

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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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:

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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.

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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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Version 2.1, February 1999

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it in new free programs; and that you are informed that you can do
these things.

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rights.  These restrictions translate to certain responsibilities for
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For example, if you distribute copies of the library, whether gratis
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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
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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.

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

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

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

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

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

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

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

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

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

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

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

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library,
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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.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
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In addition, mere aggregation of another work not based on the Library
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these notices.

Once this change is made in a given copy, it is irreversible for
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subsequent copies and derivative works made from that copy.

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

4. You may copy and distribute the Library (or a portion or
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it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
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
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the Library and of the other library facilities is otherwise
permitted, and provided that you do these two things:

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   facilities. This must be distributed under the terms of the
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b) Give prominent notice with the combined library of the fact
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[This is the first released version of the library GPL. It is 
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Preamble

The licenses for most software are designed to take away your 
freedom to share and change it. By contrast, the GNU General Public 
Licenses are intended to guarantee your freedom to share and change 
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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 deprived 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
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A "library" means a collection of software functions and/or data
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The "Library", below, refers to any such software library or work
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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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

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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.

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

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

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

If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
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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
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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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distribute the object code for the work under the terms of Section 6.
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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-compiler 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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1.446 python-certifi 2018.1.18 2

1.446.1 Available under license:

This package contains a modified version of ca-bundle.crt:

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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@(#) $RCSfile: certdata.txt,v $ $Revision: 1.80 $ $Date: 2011/11/03 15:11:58 $
1.447 django-filter 2.1.0

1.448 unittest2 1.1.0

1.449 bash 4.4.18 2ubuntu1.2

1.449.1 Available under license :

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1.451 glib 2.56.4-7.el8

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to use the modified definitions.)

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

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1.453.1 Available under license :

/* setjmp is implemented in setjmp.S */

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That's all there is to it!

/* _setjmp is implemented in setjmp.S */

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1.455 libtinfo 6.1+20181013-2+deb10u1

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Upstream source https://invisible-island.net/ncurses/ncurses.html
This package is used for testing builds of ncurses.

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

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1.456 mesa 19.0.8-0ubuntu0~18.04.2
1.456.1 Available under license:

/* Legal characters in GLSL are:

* Identifier characters:
*    Letters a-z
*    Letters A-Z
*    Underscore
*    Numbers 0-9
* Punctuation:
*    Period, plus, dash, slash, asterisk, percent, angled brackets,
*    square brackets, parentheses, braces, caret, vertical bar,
*    ampersand, tilde, equals, exclamation point, colon, semicolon,
*    comma, and question mark
* Special:
*    Number sign (as used in preprocessor)
*    Backslash just before newline as line continuation
* White space:
*    Space, horizontal tab, vertical tab, form feed, carriage-return,
*    and line-feed.

* [GLSL Language Specification 4.30.6, section 3.1]
* In this file, we test each of these in turn as follows:
* Identifier characters: All pass through unchanged
* Punctuation: All pass through unchanged
* Special: Empty directive replaced with blank line
* Line continuation merges two lines, then a blank line
* Whitespace: 4 horizontal space characters each replaced with space
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<th>License</th>
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</thead>
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<td>Main Mesa code</td>
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<td>MIT</td>
</tr>
<tr>
<td>Device drivers</td>
<td>src/mesa/drivers/*</td>
<td>MIT, generally</td>
</tr>
</tbody>
</table>
Gallium code      src/gallium/      MIT
Ext headers       include/GL/glext.h  Khronos
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Gocheck - A rich testing framework for Go

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goproperties - properties file decoder for Go

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tomb - support for clean goroutine termination in Go.

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package model

import (
    "fmt"
    "sort"
    "strings"

    core "github.com/envoyproxy/go-control-plane/envoy/api/v2/core"
    route "github.com/envoyproxy/go-control-plane/envoy/api/v2/route"
    envoy_rbac "github.com/envoyproxy/go-control-plane/envoy/config/rbac/v2"
    envoy_matcher "github.com/envoyproxy/go-control-plane/envoy/type/matcher"
type Permission struct {
    Services    []string // For backward-compatible only.
    Hosts       []string
    NotHosts    []string
    Paths       []string
    NotPaths    []string
    Methods     []string
    NotMethods  []string
    Ports       []string
    NotPorts    []string
    Constraints []KeyValues
    AllowAll    bool
    v1beta1     bool
}

// Match returns True if the calling service's attributes and/or labels match to the ServiceRole constraints.
func (permission *Permission) Match(service *ServiceMetadata) bool {
    if permission == nil {
        return true
    }

    // Check if the service name is matched.
    if len(permission.Services) != 0 {
        if !stringMatch(service.Name, permission.Services) {
            return false
        }
    }

    // Check if the constraints are matched.
    for _, constraint := range permission.Constraints {
        for key, values := range constraint {
            var constraintValue string
            var present bool
            switch {
            case strings.HasPrefix(key, attrDestLabel):
                label, err := extractNameInBrackets(strings.TrimPrefix(key, attrDestLabel))
                if err != nil {
                    rbacLog.Errorf("ignored invalid %s: %v", attrDestLabel, err)
                    continue
                }
                constraintValue, present = service.Labels[label]
            case key == attrDestName || key == attrDestNamespace || key == attrDestUser:
                constraintValue, present = service.Attributes[key]
            default:
                constraintValue, present = service.Labels[key]
                if !present {
                    rbacLog.Errorf("label %s not present", key)
                    continue
                }
                var constraintValueInBrackets string
                constraintValueInBrackets, err := extractNameInBrackets(key)
                if err != nil {
                    rbacLog.Errorf("ignored invalid %s: %v", attrDestLabel, err)
                    continue
                }
                var constraintValueInBracketsInBrackets string
                constraintValueInBracketsInBrackets, err := extractNameInBrackets(constraintValueInBrackets)
                if err != nil {
                    rbacLog.Errorf("ignored invalid %s: %v", attrDestLabel, err)
                    continue
                }
                if present {
                    if constraintValue != constraintValueInBracketsInBrackets {
                        return false
                    }
                }
            }
        }
    }

    return true
}
continue

// The constraint is not matched if any of the follow condition is true:
// a) the constraint is specified but not found in the ServiceMetadata;
// b) the constraint value is not matched to the actual value;
if !present || !stringMatch(constraintValue, values) {
    return false
}

return true
}

// ValidateForTCP checks if the permission is valid for TCP filter. A permission is not valid for TCP
// filter if it includes any HTTP-only fields, e.g. hosts, paths, etc.
func (permission *Permission) ValidateForTCP(forTCP bool) error {
    if permission == nil || !forTCP {
        return nil
    }

    if len(permission.Hosts) != 0 {
        return fmt.Errorf("hosts(%v)", permission.Hosts)
    }
    if len(permission.NotHosts) != 0 {
        return fmt.Errorf("hosts(%v)", permission.NotHosts)
    }
    if len(permission.Paths) != 0 {
        return fmt.Errorf("paths(%v)", permission.Paths)
    }
    if len(permission.NotPaths) != 0 {
        return fmt.Errorf("not_paths(%v)", permission.NotPaths)
    }
    if len(permission.Methods) != 0 {
        return fmt.Errorf("methods(%v)", permission.Methods)
    }
    if len(permission.NotMethods) != 0 {
        return fmt.Errorf("not_methods(%v)", permission.NotMethods)
    }

    for _, constraint := range permission.Constraints {
        for k := range constraint {
            if strings.HasPrefix(k, attrRequestHeader) {
                return fmt.Errorf("constraint(%v)", constraint)
            }
        }
    }

    return nil
}
func (permission *Permission) Generate(forTCPFilter bool) (*envoy_rbac.Permission, error) {
    if permission == nil {
        return nil, nil
    }

    if err := permission.ValidateForTCP(forTCPFilter); err != nil {
        return nil, err
    }

    pg := permissionGenerator{};

    if permission.AllowAll {
        pg.append(permissionAny(true))
        return pg.andPermissions(), nil
    }

    if len(permission.Hosts) > 0 {
        permission := permission forKeyValues(hostHeader, permission.Hosts)
        pg.append(permission)
    }

    if len(permission.NotHosts) > 0 {
        permission := permission forKeyValues(hostHeader, permission.NotHosts)
        pg.append(permissionNot(permission))
    }

    if len(permission.Methods) > 0 {
        permission := permission forKeyValues(methodHeader, permission.Methods)
        pg.append(permission)
    }

    if len(permission.NotMethods) > 0 {
        permission := permission forKeyValues(methodHeader, permission.NotMethods)
        pg.append(permissionNot(permission))
    }

    if len(permission.Paths) > 0 {
        permission := permission forKeyValues(pathHeader, permission.Paths)
        pg.append(permission)
    }

    if len(permission.NotPaths) > 0 {
        permission := permission forKeyValues(pathHeader, permission.NotPaths)
        pg.append(permissionNot(permission))
    }

    if len(permission.Ports) > 0 {
        permission := permission forKeyValues(attrDestPort, permission.Ports)
        pg.append(permission)
    }

    if len(permission.NotPaths) > 0 {
        permission := permission forKeyValues(pathHeader, permission.NotPaths)
        pg.append(permissionNot(permission))
    }

    return pg.andPermissions(), nil
}
pg.append(permission)

if len(permission.NotPorts) > 0 {
    permission := permission forKeyValues(attrDestPort, permission.NotPorts)
    pg.append(permissionNot(permission))
}

if len(permission.Constraints) > 0 {
    // Constraints are matched with AND semantics, it's invalid if 2 constraints have the same
    // key and this should already be caught by validation.
    for _, constraint := range permission.Constraints {
        var keys []string
        for key := range constraint {
            keys = append(keys, key)
        }
        sort.Strings(keys)
        for _, k := range keys {
            permission := permission forKeyValues(k, constraint[k])
            pg.append(permission)
        }
    }
}

if pg.isEmpty() {
    // None of above permission satisfied means the permission applies to all paths/methods/constraints.
    pg.append(permissionAny(true))
}

return pg.andPermissions(), nil

// isSupportedPermission returns true if the key is supported to be used in permission.
func isSupportedPermission(key string) bool {
    switch {
    case key == attrDestIP:
    case key == attrDestPort:
    case strings.HasPrefix(key, attrRequestHeader):
    case key == attrConnSNI:
    case strings.HasPrefix(key, "experimental.envoy.filters.") && isKeyBinary(key):
        default:
            return false
    }
    return true
}
// forKeyValues converts a key-values pair to an envoy RBAC permission. The key specify the // type of the permission (e.g. destination IP, header, SNI, etc.), the values specify the allowed // value of the key, multiple values are ORed together.
func (permission *Permission) forKeyValues(key string, values []string) *envoy_rbac.Permission { 
    var converter func(string) (*envoy_rbac.Permission, error) 
    switch { 
    case key == attrDestIP: 
        converter = func(v string) (*envoy_rbac.Permission, error) { 
            cidr, err := matcher.CidrRange(v) 
            if err != nil { 
                return nil, err 
            } 
            return permissionDestinationIP(cidr), nil 
        } 
    case key == attrDestPort: 
        converter = func(v string) (*envoy_rbac.Permission, error) { 
            portValue, err := convertToPort(v) 
            if err != nil { 
                return nil, err 
            } 
            return permissionDestinationPort(portValue), nil 
        } 
    case key == pathHeader || key == methodHeader || key == hostHeader: 
        converter = func(v string) (*envoy_rbac.Permission, error) { 
            m := matcher.HeaderMatcher(key, v) 
            return permissionHeader(m), nil 
        } 
    case strings.HasPrefix(key, attrRequestHeader): 
        header, err := extractNameInBrackets(strings.TrimPrefix(key, attrRequestHeader)) 
        if err != nil { 
            rbacLog.Errorf("ignored invalid %s: %v", attrRequestHeader, err) 
            return nil 
        } 
        converter = func(v string) (*envoy_rbac.Permission, error) { 
            m := matcher.HeaderMatcher(header, v) 
            return permissionHeader(m), nil 
        } 
    case key == attrConnSNI: 
        converter = func(v string) (*envoy_rbac.Permission, error) { 
            m := matcher.StringMatcher(v, permission.v1beta1) 
            return permissionRequestedServerName(m), nil 
        } 
    case strings.HasPrefix(key, "experimental.envoy.filters.") && isKeyBinary(key): 
        // Split key of format experimental.envoy.filters.a.b[c] to [envoy.filters.a.b, c]. 
        parts := strings.SplitN(strings.TrimSuffix(strings.TrimPrefix(key, "experimental."), "]"), "[", 2) 
        converter = func(v string) (*envoy_rbac.Permission, error) { 
            // If value is of format [v], create a list matcher. 
            // Else, if value is of format v, create a string matcher.
var m *envoy_matcher.MetadataMatcher
if strings.HasPrefix(v, "]") && strings.HasSuffix(v, "]") {
    m = matcher.MetadataListMatcher(parts[0], parts[1:], strings.Trim(v, "[]"), permission.v1beta1)
} else {
    m = matcher.MetadataStringMatcher(parts[0], parts[1], matcher.StringMatcher(v, permission.v1beta1))
}
return permissionMetadata(m), nil
}
default:
if !found(key, []string{attrDestName, attrDestNamespace, attrDestUser}) &&
!strings.HasPrefix(key, attrDestLabel) {
    // The attribute is neither matched here nor in previous stage, this means it's something we
    // don't understand, most likely a user typo.
    rbacLog.Errorf("ignored unsupported constraint: %s", key)
} return nil
}

pg := permissionGenerator{
for _, v := range values {
if permission, err := converter(v); err != nil {
    rbacLog.Errorf("ignored invalid constraint value: %v", err)
} else {
    pg.append(permission)
}
}
return pg.orPermissions()
}

type permissionGenerator struct {
permissions []*envoy_rbac.Permission
}

func (pg *permissionGenerator) isEmpty() bool {
return len(pg.permissions) == 0
}

func (pg *permissionGenerator) append(permission *envoy_rbac.Permission) {
if permission == nil {
    return
}
pg.permissions = append(pg.permissions, permission)
}

func (pg *permissionGenerator) andPermissions() *envoy_rbac.Permission {
if pg.isEmpty() {
    return nil
}
func orPermissions() *envoy_rbac.Permission {
    if pg.isEmpty() {
        return nil
    }
    return &envoy_rbac.Permission{
        Rule: &envoy_rbac.Permission_OrRules{
            OrRules: &envoy_rbac.Permission_Set{
                Rules: pg.permissions,
            },
        },
    }
}

func permissionAny(any bool) *envoy_rbac.Permission {
    return &envoy_rbac.Permission{
        Rule: &envoy_rbac.Permission_Any{
            Any: any,
        },
    }
}

func permissionNot(permission *envoy_rbac.Permission) *envoy_rbac.Permission {
    return &envoy_rbac.Permission{
        Rule: &envoy_rbac.Permission_NotRule{
            NotRule: permission,
        },
    }
}

func permissionDestinationIP(cidr *core.CidrRange) *envoy_rbac.Permission {
    return &envoy_rbac.Permission{
        Rule: &envoy_rbac.Permission_DestinationIp{
            DestinationIp: cidr,
        },
    }
}
func permissionDestinationPort(port uint32) *envoy_rbac.Permission {
    return &envoy_rbac.Permission{
        Rule: &envoy_rbac.Permission_DestinationPort{
            DestinationPort: port,
        },
    }
}

func permissionRequestedServerName(name *envoy_matcher.StringMatcher) *envoy_rbac.Permission {
    return &envoy_rbac.Permission{
        Rule: &envoy_rbac.Permission_RequestedServerName{
            RequestedServerName: name,
        },
    }
}

func permissionMetadata(metadata *envoy_matcher.MetadataMatcher) *envoy_rbac.Permission {
    return &envoy_rbac.Permission{
        Rule: &envoy_rbac.Permission_Metadata{
            Metadata: metadata,
        },
    }
}

func permissionHeader(header *route.HeaderMatcher) *envoy_rbac.Permission {
    return &envoy_rbac.Permission{
        Rule: &envoy_rbac.Permission_Header{
            Header: header,
        },
    }
}

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1.458 azure-mgmt-
iotthubprovisioningservices 0.2.0

1.459 llvm-toolchain-8 1:8-3~ubuntu18.04.1
1.459.1 Available under license :

add_llvm_library(llvmPluginObjectContainerBSDArchive PLUGIN
ObjectContainerBSDArchive.cpp

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; RUN: llc < %s -mtriple=s390x-linux-gnu -mcpu=zEC12 -verify-machineinstrs | FileCheck %s
;
; Test that early if conversion produces LOCR with operands of the right
; register classes.

define void @autogen_SD4739(i8*) {
  ; CHECK-NOT: Expected a GR32Bit register, but got a GRX32Bit register
  BB:
  %L34 = load i8, i8* %0
  %Cmp56 = icmp sgt i8 undef, %L34
  br label %CF246

  CF246:
  ; preds = %CF246, %BB
  %Sl163 = select i1 %Cmp56, i8 %L34, i8 undef
br i1 undef, label %CF246, label %CF248

CF248: ; preds = %CF248, %CF246
store i8 %SI163, i8* %0
br label %CF248
}

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; NOTE: Assertions have been autogenerated by utils/update_analyze_test_checks.py
; RUN: opt < %s  -cost-model -analyze -mtriple=x86_64-apple-macosx10.8.0 -mattr=+avx2 | FileCheck %s --check-prefixes=CHECK,VEC256,AVX
; RUN: opt < %s  -cost-model -analyze -mtriple=x86_64-apple-macosx10.8.0 -mattr=+avx512vl,+avx512bw,+avx512dq,+prefer-256-bit | FileCheck %s --check-prefixes=CHECK,VEC256,SKX256
; RUN: opt < %s  -cost-model -analyze -mtriple=x86_64-apple-macosx10.8.0 -mattr=+avx512vl,+avx512bw,+avx512dq,-prefer-256-bit | FileCheck %s --check-prefixes=CHECK,VEC512

define void @zext256() "min-legal-vector-width"="256" {
; VEC256-LABEL: 'zext256'
; VEC256-NEXT: Cost Model: Found an estimated cost of 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

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define void @zext512() "min-legal-vector-width"="512" {
    ; AVX-LABEL: 'zext512'
    ; AVX-NEXT:  Cost Model: Found an estimated cost of 7 for instruction: %A = zext <8 x i16> undef to <8 x i64>
    ; AVX-NEXT:  Cost Model: Found an estimated cost of 3 for instruction: %B = zext <8 x i32> undef to <8 x i64>
    ; AVX-NEXT:  Cost Model: Found an estimated cost of 4 for instruction: %C = zext <16 x i8> undef to <16 x i32>
    ; AVX-NEXT:  Cost Model: Found an estimated cost of 4 for instruction: %D = zext <16 x i16> undef to <16 x i32>
    ; AVX-NEXT:  Cost Model: Found an estimated cost of 3 for instruction: %E = zext <32 x i8> undef to <32 x i16>
    ; AVX-NEXT:  Cost Model: Found an estimated cost of 0 for instruction: ret void

    ; SKX256-LABEL: 'zext512'
    ; SKX256-NEXT:  Cost Model: Found an estimated cost of 1 for instruction: %A = zext <8 x i16> undef to <8 x i64>
    ; SKX256-NEXT:  Cost Model: Found an estimated cost of 1 for instruction: %B = zext <8 x i32> undef to <8 x i64>
    ; SKX256-NEXT:  Cost Model: Found an estimated cost of 1 for instruction: %C = zext <16 x i8> undef to <16 x i32>
    ; SKX256-NEXT:  Cost Model: Found an estimated cost of 1 for instruction: %D = zext <16 x i16> undef to <16 x i32>
    ; SKX256-NEXT:  Cost Model: Found an estimated cost of 1 for instruction: %E = zext <32 x i8> undef to <32 x i16>
    ; SKX256-NEXT:  Cost Model: Found an estimated cost of 0 for instruction: ret void

    ; VEC512-LABEL: 'zext512'
    ; VEC512-NEXT:  Cost Model: Found an estimated cost of 1 for instruction: %A = zext <8 x i16> undef to <8 x i64>
    ; VEC512-NEXT:  Cost Model: Found an estimated cost of 1 for instruction: %B = zext <8 x i32> undef to <8 x i64>
    ; VEC512-NEXT:  Cost Model: Found an estimated cost of 1 for instruction: %C = zext <16 x i8> undef to <16 x i32>
    ; VEC512-NEXT:  Cost Model: Found an estimated cost of 1 for instruction: %D = zext <16 x i16> undef to <16 x i32>
    ; VEC512-NEXT:  Cost Model: Found an estimated cost of 1 for instruction: %E = zext <32 x i8> undef to <32 x i16>
    ; VEC512-NEXT:  Cost Model: Found an estimated cost of 0 for instruction: ret void

    %A = zext <8 x i16> undef to <8 x i64>
    %B = zext <8 x i32> undef to <8 x i64>
    %C = zext <16 x i8> undef to <16 x i32>
    %D = zext <16 x i16> undef to <16 x i32>
    ret void
}
%E = zext <32 x i8> undef to <32 x i16>
ret void
}

define void @sext256() "min-legal-vector-width"="256" {
; VEC256-LABEL: 'sext256'
; VEC256-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %A = sext <8 x i8> undef to <8 x i64>
; VEC256-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %B = sext <8 x i16> undef to <8 x i64>
; VEC256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %C = sext <8 x i32> undef to <8 x i64>
; VEC256-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %D = sext <16 x i8> undef to <16 x i32>
; VEC256-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %E = sext <16 x i16> undef to <16 x i32>
; VEC256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %F = sext <32 x i8> undef to <32 x i16>
; VEC256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
; VEC512-LABEL: 'sext256'
; VEC512-NEXT: Cost Model: Found an estimated cost of 24 for instruction: %A = sext <8 x i8> undef to <8 x i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = sext <8 x i16> undef to <8 x i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = sext <8 x i32> undef to <8 x i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = sext <16 x i8> undef to <16 x i32>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = sext <16 x i16> undef to <16 x i32>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %F = sext <32 x i8> undef to <32 x i16>
; VEC512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
%A = sext <8 x i8> undef to <8 x i64>
%B = sext <8 x i16> undef to <8 x i64>
%C = sext <8 x i32> undef to <8 x i64>
%D = sext <16 x i8> undef to <16 x i32>
%E = sext <16 x i16> undef to <16 x i32>
%F = sext <32 x i8> undef to <32 x i16>
ret void
}

define void @sext512() "min-legal-vector-width"="512" {
; AVX-LABEL: 'sext512'
; AVX-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %A = sext <8 x i8> undef to <8 x i64>
; AVX-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %B = sext <8 x i16> undef to <8 x i64>
; AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %C = sext <8 x i32> undef to <8 x i64>
; AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %D = sext <16 x i8 undef to <16 x i32>
; AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %E = sext <16 x i16 undef to <16 x i32>
; AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %F = sext <32 x i8 undef to <32 x i16>
; AVX-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void

; SKX256-LABEL: 'sext512'
; SKX256-NEXT: Cost Model: Found an estimated cost of 24 for instruction: %A = sext <8 x i8 undef to <8 x i64>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = sext <8 x i16 undef to <8 x i64>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = sext <8 x i32 undef to <8 x i64>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = sext <16 x i8 undef to <16 x i32>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = sext <16 x i16 undef to <16 x i32>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %F = sext <32 x i8 undef to <32 x i16>
; SKX256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void

; VEC512-LABEL: 'sext512'
; VEC512-NEXT: Cost Model: Found an estimated cost of 24 for instruction: %A = sext <8 x i8 undef to <8 x i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = sext <8 x i16 undef to <8 x i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = sext <8 x i32 undef to <8 x i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = sext <16 x i8 undef to <16 x i32>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = sext <16 x i16 undef to <16 x i32>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %F = sext <32 x i8 undef to <32 x i16>
; VEC512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void

%A = sext <8 x i8> undef to <8 x i64>
%B = sext <8 x i16> undef to <8 x i64>
%C = sext <8 x i32> undef to <8 x i64>
%D = sext <16 x i8> undef to <16 x i32>
%E = sext <16 x i16> undef to <16 x i32>
%F = sext <32 x i8> undef to <32 x i16>
ret void

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<td>clang-tidy</td>
<td>clang-tidy/cert</td>
</tr>
<tr>
<td>clang-tidy</td>
<td>clang-tidy/hicpp</td>
</tr>
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</table>

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<td>lib/External/JSON</td>
</tr>
</tbody>
</table>

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; RUN: llc -mtriple=aarch64-apple-ios %s -o - | FileCheck %s
define <16 x double> @test_sitofp_fixed(<16 x i32> %in) {
 ; CHECK-LABEL: test_sitofp_fixed:

 ; First, extend each i32 to i64
 ; CHECK-DAG: sshll.2d [[BLOCK0_HI:v[0-9]+]], v0, #0
 ; CHECK-DAG: sshll.2d [[BLOCK1_HI:v[0-9]+]], v1, #0
 ; CHECK-DAG: sshll.2d [[BLOCK2_HI:v[0-9]+]], v2, #0
 ; CHECK-DAG: sshll.2d [[BLOCK3_HI:v[0-9]+]], v3, #0
 ; CHECK-DAG: sshll2.2d [[BLOCK0_LO:v[0-9]+]], v0, #0
 ; CHECK-DAG: sshll2.2d [[BLOCK1_LO:v[0-9]+]], v1, #0
 ; CHECK-DAG: sshll2.2d [[BLOCK2_LO:v[0-9]+]], v2, #0
 ; CHECK-DAG: sshll2.2d [[BLOCK3_LO:v[0-9]+]], v3, #0

 ; Next, convert each to double.
 ; CHECK-DAG: scvtf.2d v0, [[BLOCK0_LO]]
 ; CHECK-DAG: scvtf.2d v1, [[BLOCK0_HI]]
 ; CHECK-DAG: scvtf.2d v2, [[BLOCK1_LO]]
 ; CHECK-DAG: scvtf.2d v3, [[BLOCK1_HI]]
 ; CHECK-DAG: scvtf.2d v4, [[BLOCK2_LO]]
 ; CHECK-DAG: scvtf.2d v5, [[BLOCK2_HI]]
 ; CHECK-DAG: scvtf.2d v6, [[BLOCK3_LO]]
 ; CHECK-DAG: scvtf.2d v7, [[BLOCK3_HI]]

 ; CHECK: ret
 %flt = sitofp <16 x i32> %in to <16 x double>
 %res = fdiv <16 x double> %flt, <double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0>
 ret <16 x double> %res
}

; This one is small enough to satisfy isSimple, but still illegally large.

define <4 x double> @test_sitofp_fixed_shortish(<4 x i64> %in) {
 ; CHECK-LABEL: test_sitofp_fixed_shortish:

 ; CHECK-DAG: scvtf.2d v0, v0
 ; CHECK-DAG: scvtf.2d v1, v1

 ; CHECK: ret
 %flt = sitofp <4 x i64> %in to <4 x double>
 %res = fdiv <4 x double> %flt, <double 64.0, double 64.0, double 64.0, double 64.0>
 ret <4 x double> %res
}

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<td>pyyaml tests</td>
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D: Minor patches and bug fixes.
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D: Initial regex prototype

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D: FreeBSD and Solaris ports, libcxxrt support, some atomics work.

N: Ruben Van Boxem
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D: Minor patches and musl port.

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N: Google Inc.
D: Copyright owner and contributor of the CityHash algorithm

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D: Linux fixes.

N: Jonathan Sauer
D: Minor patches, mostly related to constexpr

N: Richard Smith
D: Minor patches.

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==============================================================================
; RUN: opt -consthoist -S -o - %s | FileCheck %s
target triple = "thumbv6m-none--musleabi"

; Check that for i8 type, the maximum legal offset is 31.
; Also check that an constant used as value to be stored rather than
; pointer in a store instruction is hoisted.
; CHECK: foo_i8
; CHECK-DAG: %[[C1:const[0-9]??]] = bitcast i32 805874720 to i32
; CHECK-DAG: %[[C2:const[0-9]??]] = bitcast i32 805874688 to i32
; CHECK-DAG: %[[C3:const[0-9]??]] = bitcast i32 805873720 to i32
; CHECK-DAG: %[[C4:const[0-9]??]] = bitcast i32 805873688 to i32
; CHECK: %0 = inttoptr i32 %[[C2]] to i8*
; CHECK-NEXT: %1 = load volatile i8, i8* %0
; CHECK-NEXT: %[[M1:const_mat[0-9]??]] = add i32 %[[C2]], 4
; CHECK-NEXT: %2 = inttoptr i32 %[[M1]] to i8*
; CHECK-NEXT: %3 = load volatile i8, i8* %2
; CHECK-NEXT: %4 = inttoptr i32 %[[C2]] 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 %[[C1]] to i8*
; CHECK-NEXT: %9 = load volatile i8, i8* %8
; CHECK-NEXT: %10 = inttoptr i32 %[[C4]] to i8*
; CHECK-NEXT: %11 = load volatile i8, i8* %10
; CHECK-NEXT: %12 = inttoptr i32 %[[C3]] to i8*
; CHECK-NEXT: %13 = load volatile i8, i8* %12
; CHECK-NEXT: %14 = inttoptr i32 %[[C3]] to i8*
; CHECK-NEXT: store i8 %9, i8* %10
; CHECK-NEXT: %15 = load volatile i8, i8* %11
; CHECK-NEXT: %16 = inttoptr i32 %[[M4]] to i8*
; CHECK-NEXT: store i8 %7, i8* %11
; CHECK-NEXT: %17 = load volatile i8, i8* %16
; CHECK-NEXT: %18 = inttoptr i32 %[[M4]] to i8*
; CHECK-NEXT: store i8 %5, i8* %16
; CHECK-NEXT: %19 = load volatile i8, i8* %18
; CHECK-NEXT: %20 = inttoptr i32 %[[M4]] to i8*
; CHECK-NEXT: store i8 %3, i8* %18
; CHECK-NEXT: %21 = load volatile i8, i8* %20
; CHECK-NEXT: %22 = inttoptr i32 %[[M4]] to i8*
; CHECK-NEXT: store i8 %1, i8* %22
; CHECK-NEXT: %23 = load volatile i8, i8* %21
; CHECK-NEXT: %24 = inttoptr i32 %[[M4]] to i8*
; CHECK-NEXT: store i8 %23, i8*** @goo

@goo = global i8* undef

define void @foo_i8() {
  entry:
  %0 = load volatile i8, i8* inttoptr (i32 805874688 to i8*)
  %1 = load volatile i8, i8* inttoptr (i32 805874692 to i8*)
  %2 = load volatile i8, i8* inttoptr (i32 805874719 to i8*)
  %3 = load volatile i8, i8* inttoptr (i32 805874720 to i8*)
  %4 = load volatile i8, i8* inttoptr (i32 805874727 to i8*)
  store i8 %4, i8* inttoptr(i32 805873688 to i8*)
  store i8 %3, i8* inttoptr(i32 805873719 to i8*)
  store i8 %2, i8* inttoptr(i32 805873720 to i8*)
  store i8 %1, i8* inttoptr(i32 805873727 to i8*)
  store i8* inttoptr(i32 805874800 to i8*), i8** @goo
}
ret void
}

; Check that for i16 type, the maximum legal offset is 62.
; CHECK: foo_i16
; CHECK-DAG: %[[C1:const[0-9]?]] = bitcast i32 805874752 to i32
; CHECK-DAG: %[[C2:const[0-9]?]] = bitcast i32 805874688 to i32
; CHECK: %0 = inttoptr i32 %[[C2]] to i16*
; CHECK-NEXT: %1 = load volatile i16, i16* %0, align 2
; CHECK-NEXT: %[[M1:const_mat[0-9]??]] = add i32 %[[C2]], 4
; CHECK-NEXT: %2 = inttoptr i32 %[[M1]] to i16*
; CHECK-NEXT: %3 = load volatile i16, i16* %2, align 2
; CHECK-NEXT: %[[M2:const_mat[0-9]??]] = add i32 %[[C2]], 32
; CHECK-NEXT: %4 = inttoptr i32 %[[M2]] to i16*
; CHECK-NEXT: %5 = load volatile i16, i16* %4, align 2
; CHECK-NEXT: %[[M3:const_mat[0-9]??]] = add i32 %[[C2]], 62
; CHECK-NEXT: %6 = inttoptr i32 %[[M3]] to i16*
; CHECK-NEXT: %7 = load volatile i16, i16* %6, align 2
; CHECK-NEXT: %[[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]], 64
; 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*
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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SOFTWARE.

; 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: opt %s -inline -S | FileCheck %s

define internal void @innerSmall() "min-legal-vector-width"="128" {

define internal void @innerLarge() "min-legal-vector-width"="512" {
    ret void
}

define internal void @innerNoAttribute() {
    ret void
}

; We should not add an attribute during inlining. No attribute means unknown.
; Inlining doesn’t change the fact that we don’t know anything about this
; function.
define void @outerNoAttribute() {
    call void @innerLarge()
    ret void
}

define void @outerConflictingAttributeSmall() "min-legal-vector-width"="128" {
    call void @innerLarge()
    ret void
}

define void @outerConflictingAttributeLarge() "min-legal-vector-width"="512" {
    call void @innerSmall()
    ret void
}

; We should remove the attribute after inlining since the callee’s
; vector width requirements are unknown.
define void @outerAttribute() "min-legal-vector-width"="128" {
    call void @innerNoAttribute()
    ret void
}

; CHECK: define void @outerNoAttribute() {
; CHECK: define void @outerConflictingAttributeSmall() #0
; CHECK: define void @outerConflictingAttributeLarge() #0
; CHECK: define void @outerAttribute() {
; CHECK: attributes #0 = [ "min-legal-vector-width"="512" ]
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LLVM Team

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<table>
<thead>
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</table>

; RUN: llc < %s -mtriple=x86_64-linux-android -mattr=+mmx -enable-legalize-types-checking | FileCheck %s ;
; D31946
; Check that we dont end up with the ""LLVM ERROR: Cannot select" error.
; Additionally ensure that the output code actually put fp128 values in SSE registers.

declare fp128 @llvm.fabs.f128(fp128)
declare fp128 @llvm.copysign.f128(fp128, fp128)

declare fp128 @TestSelect(fp128 %a, fp128 %b) {
   %cmp = fcmp ogt fp128 %a, %b
   %sub = fsub fp128 %a, %b
   %res = select i1 %cmp, fp128 %sub, fp128 0xL00000000000000000000000000000000
   ret fp128 %res
}

define fp128 @TestFabs(fp128 %a) {
   %res = call fp128 @llvm.fabs.f128(fp128 %a)
   ret fp128 %res
}

define fp128 @TestCopysign(fp128 %a, fp128 %b) {
   %res = call fp128 @llvm.copysign.f128(fp128 %a, fp128 %b)
   ret fp128 %res
}
define fp128 @TestFneg(fp128 %a) {
    %mul = fmul fp128 %a, %a
    %res = fsub fp128 0xL00000000000000008000000000000000, %mul
    ret fp128 %res
}; CHECK-LABEL: TestFneg:
    ; CHECK movaps %xmm0, %xmm1
    ; CHECK-NEXT callq __multf3
    ; CHECK-NEXT xorps .LCPI3_0(%rip), %xmm0
    ; CHECK-NEXT popq %rax
    ; CHECK-NEXT retq
}; NOTE: Assertions have been autogenerated by utils/update_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:   vpaddd (%rsi), %ymm0, %ymm0
; CHECK-NEXT:   vmovdqa %ymm0, 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:   vpaddd (%rsi), %zmm0, %zmm0
; CHECK-NEXT:   vmovdqa64 %zmm0, 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 @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, i32 1, i32 1, i32 1, i32 1,
i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32
1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1,
i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1>
%6 = add nuw nsw <64 x i32> %5, %4
%7 = lshr <64 x i32> %6, <i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1,
i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32
1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1,
i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1>
%8 = 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: vmovdqu64 %zmm0, (%rax)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%1 = load <64 x i8>, <64 x i8>* %a
%2 = load <64 x i8>, <64 x i8>* %b
%3 = zext <64 x i8> %1 to <64 x i32>
%4 = zext <64 x i8> %2 to <64 x i32>

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%5 = add nuw nsw <64 x i32> %3, <i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1>
%6 = add nuw nsw <64 x i32> %5, %4
%7 = lshr <64 x i32> %6, <i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, 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 @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, %ymm1
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>* %CPtr
ret void
}

define void @pmaddwd_32_512(<32 x i16>* %APtr, <32 x i16>* %BPtr, <16 x i32>* %CPtr) "min-legal-vector-width"="512" {
CHECK-LABEL: pmaddwd_32_512:
CHECK: # %bb.0:
CHECK-NEXT: vmovdqa64 (%rdi), %zmm0
CHECK-NEXT: vpmaddwd (%rsi), %zmm0, %zmm0
CHECK-NEXT: vmovdqa64 %zmm1, (%rdx)
CHECK-NEXT: vzeroupper
%A = load <32 x i16>, <32 x i16>* %A<sub>Ptr</sub>
%B = load <32 x i16>, <32 x i16>* %B<sub>Ptr</sub>
%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>* %C<sub>Ptr</sub>
ret void

define void @psubus_64i8_max_256(<64 x i8>* %x<sub>Ptr</sub>, <64 x i8>* %y<sub>Ptr</sub>, <64 x i8>* %z<sub>Ptr</sub>) "min-legal-vector-width"="256" {
    ; CHECK-LABEL: psubus_64i8_max_256:
    ; CHECK:  # %bb.0:
    ; CHECK-NEXT:  vmovdqa (%rdi), %ymm0
    ; CHECK-NEXT:  vmovdqa 32(%rdi), %ymm1
    ; CHECK-NEXT:  vpsubusb (%rsi), %ymm0, %ymm0
    ; CHECK-NEXT:  vpsubusb 32(%rsi), %ymm1, %ymm1
    ; CHECK-NEXT:  vmovdqa %ymm1, 32(%rdx)
    ; CHECK-NEXT:  vmovdqa %ymm0, (%rdx)
    ; CHECK-NEXT:  vzeroupper
    ; CHECK-NEXT:  retq
    %x = load <64 x i8>, <64 x i8>* %x<sub>Ptr</sub>
    %y = load <64 x i8>, <64 x i8>* %y<sub>Ptr</sub>
    %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>* %z<sub>Ptr</sub>
ret void
}

define void @psubus_64i8_max_512(<64 x i8>* %x<sub>Ptr</sub>, <64 x i8>* %y<sub>Ptr</sub>, <64 x i8>* %z<sub>Ptr</sub>) "min-legal-vector-width"="512" {
    ; CHECK-LABEL: psubus_64i8_max_512:
    ; CHECK:  # %bb.0:
    ; CHECK-NEXT:  vmovdqa64 (%rdi), %zmm0
    ; CHECK-NEXT:  vpsubusb (%rsi), %zmm0, %zmm0
    ; CHECK-NEXT:  vmovdqa64 %zmm1, 32(%rdx)
    ; CHECK-NEXT:  vmovdqa %zmm0, (%rdx)
    ; CHECK-NEXT:  vzeroupper
    ; CHECK-NEXT:  retq
    %x = load <64 x i8>, <64 x i8>* %x<sub>Ptr</sub>
    %y = load <64 x i8>, <64 x i8>* %y<sub>Ptr</sub>
    %cmp = icmp ult <64 x i8> %x, %y

define i32 @_Z9test_charPcS_i_256(i8* nocapture readonly, i8* nocapture readonly, i32) "min-legal-vector-width="256" {
    ; CHECK-LABEL: _Z9test_charPcS_i_256:
    ; CHECK:       # %bb.0: # %entry
    ; CHECK-NEXT:    movl %edx, %eax
    ; CHECK-NEXT:    vpxor %xmm0, %xmm0, %xmm0
    ; CHECK-NEXT:    xorl %ecx, %ecx
    ; CHECK-NEXT:    vpxor %xmm1, %xmm1, %xmm1
    ; CHECK-NEXT:    vpxor %xmm2, %xmm2, %xmm2
    ; CHECK-NEXT:    .p2align 4, 0x90
    ; CHECK-NEXT:  .LBB8_1: # %vector.body
    ; CHECK-NEXT:    # =>This Inner Loop Header: Depth=1
    ; CHECK-NEXT:    vpmovsxbw (%rdi,%rcx), %ymm3
    ; CHECK-NEXT:    vpmovsxbw 16(%rdi,%rcx), %ymm4
    ; CHECK-NEXT:    vpmovsxbw (%rsi,%rcx), %ymm5
    ; CHECK-NEXT:    vpmaddwd %ymm3, %ymm5, %ymm3
    ; CHECK-NEXT:    vpaddd %ymm1, %ymm1, %ymm1
    ; CHECK-NEXT:    vpmaddwd %ymm4, %ymm3, %ymm3
    ; CHECK-NEXT:    vpaddd %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:    vpshufd {{.*#+}} xmm1 = xmm0[2,3,0,1]
    ; CHECK-NEXT:    vpaddd %xmm1, %ymm0, %ymm0
    ; CHECK-NEXT:    vpmaddwd %ymm1, %ymm0, %ymm0
    ; CHECK-NEXT:    vpshufd {{.*#+}} xmm1 = xmm0[1,1,2,3]
    ; CHECK-NEXT:    vpaddd %xmm1, %xmm0, %xmm0
    ; CHECK-NEXT:    vmovd %xmm0, %eax
    ; CHECK-NEXT:    vzeroupper
    ; CHECK-NEXT:    retq

    entry:
    %3 = zext i32 %2 to i64
    br label %vector.body

    vector.body:
    %index = phi i64 [ %index.next, %vector.body ], [ 0, %entry ]
%vec.phi = phi <32 x i32> [ %11, %vector.body ], [ zeroinitializer, %entry ]
%4 = getelementptr inbounds i8, i8* %0, i64 %index
%5 = bitcast i8* %4 to <32 x i8>*
%wide.load = load <32 x i8>, <32 x i8>* %5, align 1
%6 = sext <32 x i8> %wide.load to <32 x i32>
%7 = getelementptr inbounds i8, i8* %1, i64 %index
%8 = bitcast i8* %7 to <32 x i8>*
%wide.load14 = load <32 x i8>, <32 x i8>* %8, align 1
%9 = sext <32 x i8> %wide.load14 to <32 x i32>
%10 = mul nsw <32 x i32> %9, %6
%11 = add nsw <32 x i32> %10, %vec.phi
%index.next = add i64 %index, 32
%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>
%bin.rdx1 = add <32 x i32> %11, %rdx.shuf1
%rdx.shuf = shufflevector <32 x i32> %bin.rdx1, <32 x i32> undef, <32 x i32> <i32 8, i32 9, i32 10, i32 11, i32
12, i32 13, i32 14, i32 15, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32
undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef,
i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx = add <32 x i32> %bin.rdx1, %rdx.shuf
%rdx.shuf15 = shufflevector <32 x i32> %bin.rdx, <32 x i32> undef, <32 x i32> <i32 4, i32 5, i32 6, i32 7, i32
undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef,
i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32
undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx32 = add <32 x i32> %bin.rdx, %rdx.shuf15
%rdx.shuf17 = shufflevector <32 x i32> %bin.rdx32, <32 x i32> undef, <32 x i32> <i32 2, i32 3, i32 undef, i32
undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef,
i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32
undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx18 = add <32 x i32> %bin.rdx32, %rdx.shuf17
%rdx.shuf19 = shufflevector <32 x i32> %bin.rdx18, <32 x i32> undef, <32 x i32> <i32 1, i32 undef, i32 undef,
i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32
undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef,
i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, 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-vectorwidth"="512" {
; CHECK-LABEL: _Z9test_charPcS_i_512:

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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>
%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 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, 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> <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 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, 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> <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 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, 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> <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 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx20 = add <32 x i32> %bin.rdx18, %rdx.shuf19
%13 = extractelement <32 x i32> %bin.rdx20, i32 0
ret i32 %13

}@a = global [1024 x i8] zeroinitializer, align 16
}@b = global [1024 x i8] zeroinitializer, align 16

define i32 @sad_16i8_256() "min-legal-vector-width"="256" {
; CHECK-LABEL: sad_16i8_256:
; CHECK:
; # %bb.0: # %entry
; CHECK-NEXT: vpxor %xmm0, %xmm0, %xmm0
; CHECK-NEXT: movq $-1024, %rax # imm = 0xFC00
; CHECK-NEXT: vpxor %xmm1, %xmm1, %xmm1
; CHECK-NEXT: .p2align 4, 0x90
; CHECK-NEXT: .LBB10_1: # %vector.body
; CHECK-NEXT: # =>This Inner Loop Header: Depth=1
; CHECK-NEXT: vmovdqu a+1024(,%rax), %xmm2
; CHECK-NEXT: vpsadbw b+1024(,%rax), %xmm2, %xmm2
; CHECK-NEXT: vpaddl %ymm1, %ymm2, %ymm1
; CHECK-NEXT: addq $4, %rax
; CHECK-NEXT: jne .LBB10_1
}
vector.body:
%index = phi i64 [ 0, %entry ], [ %index.next, %vector.body ]
%vec.phi = phi <16 x i32> [ zeroinitializer, %entry ], [ %10, %vector.body ]
%0 = getelementptr inbounds [1024 x i8], [1024 x i8]* @a, i64 0, i64 %index
%1 = bitcast i8* %0 to <16 x i8>*
%wide.load = load <16 x i8>, <16 x i8>* %1, align 4
%2 = zext <16 x i8> %wide.load to <16 x i32>
%3 = getelementptr inbounds [1024 x i8], [1024 x i8]* @b, i64 0, i64 %index
%4 = bitcast i8* %3 to <16 x i8>*
%wide.load1 = load <16 x i8>, <16 x i8>* %4, align 4
%5 = zext <16 x i8> %wide.load1 to <16 x i32>
%6 = sub nsw <16 x i32> %2, %5
%7 = icmp sgt <16 x i32> %6, %%i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1
%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 undefined, i32 undefined, i32 undefined, i32 undefined, i32 undefined>
%bin.rdx = add <16 x i32> %.lcssa, %rdx.shuf
%rdx.shuf2 = shufflevector <16 x i32> %bin.rdx, <16 x i32> undef, <16 x i32> <i32 4, i32 5, i32 6, i32 7, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx2 = add <16 x i32> %bin.rdx, %rdx.shuf2
%rdx.shuf3 = shufflevector <16 x i32> %bin.rdx2, <16 x i32> undef, <16 x i32> <i32 2, i32 3, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undefined, i32 undefined, i32 undefined>
%bin.rdx3 = add <16 x i32> %bin.rdx2, %rdx.shuf3
%rdx.shuf4 = shufflevector <16 x i32> %bin.rdx3, <16 x i32> undef, <16 x i32> %i32 1, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef
%bin.rdx4 = add <16 x i32> %bin.rdx3, %rdx.shuf4
%12 = extractelement <16 x i32> %bin.rdx4, i32 0
ret i32 %12
}

define i32 @sad_16i8_512() "min-legal-vector-width"="512" {
  ; CHECK-LABEL: sad_16i8_512:
  ; CHECK:       # %bb.0: # %entry
  ; CHECK-NEXT: vpxor %xmm0, %xmm0, %xmm0
  ; CHECK-NEXT: movq $-1024, %rax # imm = 0xFC00
  ; CHECK-NEXT: .p2align 4, 0x90
  ; CHECK-NEXT: .LBB11_1: # %vector.body
  ; CHECK-NEXT: # =>This Inner Loop Header: Depth=1
  ; CHECK-NEXT: vmovdqu a+1024(%rax), %xmm1
  ; CHECK-NEXT: vpsadbw b+1024(%rax), %xmm1, %xmm1
  ; CHECK-NEXT: vpaddd %zmm0, %zmm1, %zmm0
  ; CHECK-NEXT: addq $4, %rax
  ; CHECK-NEXT: jne .LBB11_1
  ; CHECK-NEXT: # %bb.2: # %middle.block
  ; CHECK-NEXT: vextracti64x4 %1, %zmm0, %ymm1
  ; CHECK-NEXT: vpaddd %zmm1, %zmm0, %zmm0
  ; CHECK-NEXT: vextracti128 %1, %ymm0, %xmm1
  ; CHECK-NEXT: vpaddd %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: 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> [ zeroinitialize, %entry ], [ %10, %vector.body ]
  %0 = getelementptr inbounds [1024 x i8], [1024 x i8]* @a, i64 0, i64 %index
  %1 = bitcast i8* %0 to <16 x i8>*
  %wide.load = load <16 x i8>, <16 x i8>* %1, align 4
  %2 = zext <16 x i8> %wide.load to <16 x i32>
  %3 = getelementptr inbounds [1024 x i8], [1024 x i8]* @b, i64 0, i64 %index
  %4 = bitcast i8* %3 to <16 x i8>*
  %wide.load1 = load <16 x i8>, <16 x i8>* %4, align 4
  %5 = zext <16 x i8> %wide.load1 to <16 x i32>
  %6 = sub nsw <16 x i32> %2, %5
%7 = icmp sgt <16 x i32> %6, <i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1>
%8 = sub nsw <16 x i32> zeroinitializer, %6
%9 = select <16 x i1> %7, <16 x i32> %6, <16 x i32> %8
%10 = add nsw <16 x i32> %9, %vec.phi
%index.next = add i64 %index, 4
%11 = icmp eq i64 %index.next, 1024
br i1 %11, label %middle.block, label %vector.body

middle.block:
%.lcssa = phi <16 x i32> [ %10, %vector.body ]
%rdx.shuf = shufflevector <16 x i32> %.lcssa, <16 x i32> undef, <16 x i32> <i32 8, i32 9, i32 10, i32 11, i32 12, i32 13, i32 14, i32 15, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx = add <16 x i32> %.lcssa, %rdx.shuf
%rdx.shuf2 = shufflevector <16 x i32> %bin.rdx, <16 x i32> <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> <i32 2, i32 3, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx3 = add <16 x i32> %bin.rdx2, %rdx.shuf3
%rdx.shuf4 = shufflevector <16 x i32> %bin.rdx3, <16 x i32> <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: vcvtq2ps %ymm0, %ymm0
    ; CHECK-NEXT: vpmovm2d %k0, %ymm1
    ; CHECK-NEXT: vcvtq2ps %ymm1, %ymm1
    ; CHECK-NEXT: vmovaps %ymm1, (%rdi)
    ; CHECK-NEXT: vmovaps %ymm0, 32(%rdi)
    ; CHECK-NEXT: vzeroupper
    ; CHECK-NEXT: retq
    %mask = icmp slt <16 x i16> %a, zeroinitializer
    %1 = sitofp <16 x i1> %mask to <16 x float>
    store <16 x float> %1, <16 x float>* %res
    ret void
}
define void @sbto16f32_512(<16 x i16> %a, <16 x float> * %res) "min-legal-vector-width"="512" {
    ; CHECK-LABEL: sbto16f32_512:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:   vmovw2m %ymm0, %k0
    ; CHECK-NEXT:   vpmovm %k0, %zmm0
    ; CHECK-NEXT:   vcvtq2ps %zmm0, %zmm0
    ; CHECK-NEXT:   vmovaps %zmm0, (%rdi)
    ; CHECK-NEXT:   vzeroupper
    ; CHECK-NEXT:   retq
    %mask = icmp slt <16 x i16> %a, 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:   vmovw2m %ymm0, %k0
    ; CHECK-NEXT:   kshiftrw $8, %k0, %k1
    ; CHECK-NEXT:   vpmovm %k1, %ymm0
    ; CHECK-NEXT:   vcvtq2pd %xmm0, %ymm1
    ; CHECK-NEXT:   vextracti128 $1, %ymm0, %xmm0
    ; CHECK-NEXT:   vcvtq2pd %xmm0, %ymm0
    ; CHECK-NEXT:   vpmovm %k0, %ymm2
    ; CHECK-NEXT:   vcvtq2pd %xmm2, %ymm3
    ; CHECK-NEXT:   vextracti128 $1, %ymm2, %xmm2
    ; CHECK-NEXT:   vcvtq2pd %xmm2, %ymm2
    ; CHECK-NEXT:   vmovaps %ymm2, 32(%rdi)
    ; CHECK-NEXT:   vmovaps %ymm3, 64(%rdi)
    ; CHECK-NEXT:   vmovaps %ymm0, 96(%rdi)
    ; CHECK-NEXT:   vmovaps %ymm1, 128(%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:   vmovw2m %ymm0, %k0
    ; CHECK-NEXT:   vpmovm %k0, %zmm0
    ; CHECK-NEXT:   vcvtq2pd %zmm0, %zmm0
    ; CHECK-NEXT:   vpmovaps %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 double>
    store <16 x double> %1, <16 x double>* %res
    ret void
}
define void @ubto16f32_256(<16 x i16> %a, <16 x float>* %res) "min-legal-vector-width"="256" {
    ; CHECK-LABEL: ubto16f32_256:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:    vpmovw2m %ymm0, %k0
    ; CHECK-NEXT:    kshiftrw $8, %k0, %k1
    ; CHECK-NEXT:    vpmovm2d %k1, %ymm0
    ; CHECK-NEXT:    vpsrld $31, %ymm0, %ymm0
    ; CHECK-NEXT:    vcvtdq2ps %ymm0, %ymm0
    ; CHECK-NEXT:    vmovaps %ymm0, (%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 @ubto16f32_512(<16 x i16> %a, <16 x float>* %res) "min-legal-vector-width"="512" {
    ; CHECK-LABEL: ubto16f32_512:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:    vpmovw2m %ymm0, %k0
    ; CHECK-NEXT:    vpmovm2d %k0, %k1
    ; CHECK-NEXT:    vpsrld $31, %ymm0, %ymm0
    ; CHECK-NEXT:    vcvtdq2ps %ymm0, %ymm0
    ; CHECK-NEXT:    vmovaps %ymm1, (%rdi)
    ; CHECK-NEXT:    vpmovm2d %k0, %ymm1
    ; CHECK-NEXT:    vpsrld $31, %ymm1, %ymm1
    ; CHECK-NEXT:    vcvtdq2ps %ymm1, %ymm1
    ; CHECK-NEXT:    vmovaps %ymm0, %ymm0
    ; CHECK-NEXT:    vmovaps %ymm1, 32(%rdi)
    ; CHECK-NEXT:    vzeroupper
    ; CHECK-NEXT:    retq
    %mask = icmp slt <16 x i16> %a, zeroinitializer
    %1 = uitofp <16 x i1> %mask to <16 x float>
    store <16 x float> %1, <16 x float>* %res
    ret void
}
define void @ubto16f64_256(<16 x i16> %a, <16 x double>* %res) "min-legal-vector-width"="256" 

; CHECK-LABEL: ubto16f64_256:
; CHECK:   # %bb.0:
; CHECK-NEXT: vpmovw2m %ymm0, %k0
; CHECK-NEXT: kshiftrw $8, %k0, %k1
; CHECK-NEXT: vpmovm2d %k1, %ymm0
; CHECK-NEXT: vpsrlq %k0, %ymm0, %ymm0
; CHECK-NEXT: vcvtq2pd %xmm0, %ymm1
; CHECK-NEXT: vextralt128 $1, %ymm0, %xmm0
; CHECK-NEXT: vcvtq2pd %xmm0, %ymm0
; CHECK-NEXT: vpmovm2d %k0, %ymm2
; CHECK-NEXT: vpsrlq %k0, %ymm2, %ymm2
; CHECK-NEXT: vcvtq2pd %xmm2, %ymm3
; CHECK-NEXT: vextracti128 %ymm2, %xmm2
; CHECK-NEXT: vcvtq2pd %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, zeroinitialiser
%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 %zmm0, %k0
; CHECK-NEXT: vpmovm2d %k0, %zmm0
; CHECK-NEXT: vpsrlq %k0, %zmm0, %zmm0
; CHECK-NEXT: vcvtq2pd %zmm0, %zmm1
; CHECK-NEXT: vextralt64x4 %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, zeroinitialiser
%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: vpmovw2m %ymm0, %k0
; CHECK-NEXT: vpmovm2d %k0, %zmm0
; CHECK-NEXT: vpsrlq %k0, %zmm0, %zmm0
; CHECK-NEXT: vcvtq2pd %zmm0, %zmm1
; CHECK-NEXT: vextralt64x4 %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, zeroinitialiser
%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_512(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-width"="512" {  
; CHECK-LABEL: test_16f32toub_512:  
; CHECK:     # %bb.0:  
; CHECK-NEXT: vcvtps2dq (%rdi), %ymm1  
; CHECK-NEXT: vpslld $31, %ymm1, %ymm1  
; CHECK-NEXT: vpmovd2m %ymm1, %k0  
; CHECK-NEXT: vcvtps2dq 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> zeroinitlizer  
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: vcvtps2dq (%rdi), %ymm1  
; CHECK-NEXT: vpslld $31, %ymm1, %ymm1  
; CHECK-NEXT: vpmovd2m %ymm1, %k0  
; CHECK-NEXT: vcvtps2dq 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 = fptosi <16 x float> %a to <16 x i1>  
%select = select <16 x i1> %mask, <16 x i16> %passthru, <16 x i16> zeroinitlizer  
ret <16 x i16> %select  
}
define <16 x i16> @test_16f32tosb_512(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-width"="512" {
; CHECK-LABEL: test_16f32tosb_512:
; CHECK:    # %bb.0:
; CHECK-NEXT:    vcvttps2dq (%rdi), %zmm1
; CHECK-NEXT:    vmovd2m %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 (%rsi), %ymm2
; CHECK-NEXT:    vmovdqa %ymm0 (%rdi), %ymm1
; CHECK-NEXT:    vmovdqa %ymm2 (%rsi), %ymm3
; CHECK-NEXT:    vpunpckhbbw [(.+##)] 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:    vpunpckhbbw [(.+##)] ymm5 = ymm0[8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,24,24,25,25,26,26,27,27,28,28,29,29,30,30,31,31]
; CHECK-NEXT:    vpunpckhbw [(.+##)] vm4 = 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]
; CHECK-NEXT:    vpand %ymm5, %ymm4, %ymm4
; CHECK-NEXT:    vpunpckhbw [(.+##)] ymm2 = ymm3[8],ymm0[8],ymm3[9],ymm0[9],ymm3[10],ymm0[10],ymm3[11],ymm0[11],ymm3[12],ymm0[12],ymm3[13],ymm0[13],ymm3[14],ymm0[14],ymm3[15],ymm0[15],ymm3[24],ymm0[24],ymm3[25],ymm0[25],ymm3[26],ymm0[26],ymm3[27],ymm0[27],ymm3[28],ymm0[28],ymm3[29],ymm0[29],ymm3[30],ymm0[30],ymm3[31],ymm0[31]
; CHECK-NEXT:    vpunpckhbw [(.+##)] ymm4 =
define void @mul512(<64 x i8>* %a, <64 x i8>* %b, <64 x i8>* %c) "min-legal-vector-width"="512" {
  ; CHECK-LABEL: mul512:
  ; CHECK-NEXT: vzeroupper
  return void
}
; CHECK-NEXT:  vpandq %zmm3, %zmm2, %zmm2
; CHECK-NEXT:  vpunpcklbw {{.*#+}} zmm1 =

  zmm1[0],zmm0[0],zmm1[1],zmm0[1],zmm1[2],zmm0[2],zmm1[3],zmm0[3],zmm1[4],zmm0[4],zmm1[5],zmm0[5],
  zmm1[6],zmm0[6],zmm1[7],zmm0[7],zmm1[16],zmm0[16],zmm1[17],zmm0[17],zmm1[18],zmm0[18],zmm1[19],
  zmm0[19],zmm1[20],zmm0[20],zmm1[21],zmm0[21],zmm1[22],zmm0[22],zmm1[23],zmm0[23],zmm1[32],zmm0[32],
  zmm1[33],zmm0[33],zmm1[34],zmm0[34],zmm1[35],zmm0[35],zmm1[36],zmm0[36],zmm1[37],zmm0[37],
  zmm1[38],zmm0[38],zmm1[39],zmm0[39],zmm1[48],zmm0[48],zmm1[49],zmm0[49],zmm1[50],zmm0[50],zmm1[51],zmm0[51],zmm1[52],zmm0[52],zmm1[53],zmm0[53],zmm1[54],zmm0[54],zmm1[55],zmm0[55]
; CHECK-NEXT:  vpunpcklbw {{.*#+}} zmm0 =

  zmm0[0,0,1,1,2,2,3,3,4,4,5,5,6,6,7,7,16,16,17,17,18,18,19,19,20,20,21,21,22,22,23,23,32,32,33,33,34,34,35,35,36,36,37,37,38,38,39,39,48,48,49,49,50,50,51,51,52,52,53,53,54,54,55,55,55,55]
; CHECK-NEXT:  vpmullw %zmm1, %zmm0, %zmm0
; CHECK-NEXT:  vpandq %zmm3, %zmm0, %zmm0
; CHECK-NEXT:  vpackuswb %zmm2, %zmm0, %zmm0
; CHECK-NEXT:  vmovdqa64 %zmm0, (%rdx)
; 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
}

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1.460 libxext 2:1.3.3-1+b2

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1.462 certifi 2019.6.16

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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
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Just configure this file as the SSLCACertificateFile.#

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@(#) $RCSfile: certdata.txt,v $ $Revision: 1.80 $ $Date: 2011/11/03 15:11:58 $
1.463 dj-database-url 0.5.0

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1.464 e2fslibs 1.43.4-2

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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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--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@
 Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
 */

- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
-
- Copyright (C) Andrew Tridgell 2005
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Theodore Ts'o
23-June-2007

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Ty Coon, President of Vice

That's all there is to it!
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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Gadi Oxman, August 1995

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<signature of Ty Coon>, 1 April 1989
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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 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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It is part of the main e2fsprogs distribution, which can be found at:

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MD2
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This is almost the same code as for MD5 below, with modifications by Marcus Comstedt. Released into the public domain.

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SHA224, SHA256, SHA384, and SHA512
Written by Niels Mller, using Peter Gutmann's SHA1 code as a model. Released under the LGPL.

TWOFISH
The implementation of the TWOFISH cipher is written by Ruud de Rooij. Released under the LGPL.

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1.474 python-minimal 3.5.3-1

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

A. HISTORY OF THE SOFTWARE

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

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

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (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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misc-utils/look.c
misc-utils/whereis.c
sys-utils/renice.c
term-utils/mesg.c
term-utils/script.c
term-utils/ttymsg.c
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text-utils/hexdump.h
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1.481 sysvinit-utils 2.88dsf-59.10ubuntu1

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This package contains the scripts that are executed at start and shutdown of Debian systems.

This package is built from the `sysvinit' source package. Please consult the copyright file of the sysvinit package for the location of the upstream sources of the sysvinit package. Debian-specific files for sysvinit, such as these initscripts, are maintained by the members of the pkg-sysvinit project at alioth.debian.org.

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Init was written by Miquel van Smoorenburg <miquels@cistron.nl>.

This package was first put together by Bruce Perens <Bruce@Pixar.com> from pre-distribution sources. Ian Murdock <imurdock@debian.org> integrated it into the base system maintained it until the end of 1995. Miquel van Smoorenburg <miquels@cistron.nl> implemented Debian support. In version 2.85 the package was split into three (sysvinit, sysv-rc, and initscripts) in order to make room for alternative rc mechanisms.

The upstream source is available at:
Primary-Site:   ftp.cistron.nl /pub/people/miquels/software
   92K sysvinit-2.86.tar.gz
Alternate-Site: sunsite.unc.edu /pub/Linux/system/daemons/init
   92K sysvinit-2.86.tar.gz

Send patches to sysvinit-devel@nongnu.org.

The sysvinit package in Debian is maintained as an alioth project.
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The of the start-stop-daemon:

* A rewrite of the original Debian’s start-stop-daemon Perl script
* in C (faster - it is executed many times during system startup).
* Written by Marek Michalkiewicz <marekm@i17linuxb.ists.pwr.wroc.pl>,
* public domain.

This package contains the mechanism for executing the right scripts
in the right order at bootup/shutdown time, and when changing runlevels.
It works through managing symlinks in `/etc/rc?.d`

This package is built from the `sysvinit' source package. Please
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This package is used for testing builds of ncurses.

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1.487 azure-cli-core 2.2.0

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%% Python distutils NOTICES AND INFORMATION BEGIN HERE

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Python distutils

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/*****
** kmeans.c
** - a simple k-means clustering routine
** - returns the cluster labels of the data points in an array
** - here's an example
** extern int *k_means(double**, int, int, double, double**);
** ...
** int *c = k_means(data_points, num_points, dim, 20, 1e-4, 0);
** for (i = 0; i < num_points; i++) {
**     printf("data point %d is in cluster %d\n", i, c[i]);
** }
** ...
** free(c);
** Parameters
** - array of data points (double **data)
** - number of data points (int n)
** - dimension (int m)
** - desired number of clusters (int k)
** - error tolerance (double t)
** - used as the stopping criterion, i.e. when the sum of
**   squared euclidean distance (standard error for k-means)
**   of an iteration is within the tolerable range from that
**   of the previous iteration, the clusters are considered
**   "stable", and the function returns
** - a suggested value would be 0.0001
** - output address for the final centroids (double **centroids)
** - user must make sure the memory is properly allocated, or
** pass the null pointer if not interested in the centroids

** References
** - J. MacQueen, "Some methods for classification and analysis
** of multivariate observations", Fifth Berkeley Symposium on
** - I.S. Dhillon and D.S. Modha, "A data-clustering algorithm
** on distributed memory multiprocessors",
** Large-Scale Parallel Data Mining, 245-260, 1999.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent...
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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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Azure CLI

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interactions:
- request:
  body: '{"tags": {"date": "2018-07-20T22:53:18Z", "product": "azurecli", "cause": "automation"}, "location": "westus"}'
  headers:
method: GET
response:
  body: {string: '{"status":"Running"}'}
  headers:
    cache-control: [no-cache]
    content-length: ['20']
    content-type: [application/json; charset=utf-8]
    expires: ['-1']
    pragma: [no-cache]
    strict-transport-security: [max-age=31536000; includeSubDomains]
    vary: [Accept-Encoding]
    x-content-type-options: [nosniff]
    status: {code: 200, message: OK}
- request:
  body: null
  headers:
    Accept: [application/json]
    Accept-Encoding: ['gzip, deflate']
    CommandName: [vm create]
    Connection: [keep-alive]
    User-Agent: [python/3.5.2 (Windows-10-10.0.17134-SP0) requests/2.19.1 msrest/0.5.4 msrest_azure/0.4.34 resourcemanagementclient/2.0.0rc2 Azure-SDK-For-Python AZURECLI/2.0.43]
method: GET
response:
  body: {string: '{"status":"Running"}'}
  headers:
    cache-control: [no-cache]
    content-length: ['20']
    content-type: [application/json; charset=utf-8]
    date: ['Fri, 20 Jul 2018 22:56:26 GMT']
    expires: ['-1']
    pragma: [no-cache]
    strict-transport-security: [max-age=31536000; includeSubDomains]
    vary: [Accept-Encoding]
    x-content-type-options: [nosniff]
    status: {code: 200, message: OK}
- request:
  body: null
  headers:
    Accept: [application/json]
headers:
  cache-control: [no-cache]
  content-length: ['3840']
  content-type: [application/json; charset=utf-8]
  date: ['Fri, 20 Jul 2018 22:57:28 GMT']
  expires: ['-1']
  pragma: [no-cache]
  strict-transport-security: [max-age=31536000; includeSubDomains]
  vary: [Accept-Encoding]
  x-content-type-options: [nosniff]
status: {code: 200, message: OK}
- request:
  body: null
  headers:
    Accept: [application/json]
    Accept-Encoding: ['gzip, deflate']
    CommandName: [vm create]
    Connection: [keep-alive]
    Content-Type: [application/json; charset=utf-8]
    User-Agent: [python/3.5.2 (Windows-10-10.0.17134-SP0) requests/2.19.1 msrest/0.5.4 msrest_azure/0.4.34 computemanagementclient/4.0.0rc2 Azure-SDK-For-Python AZURECLI/2.0.43]
    accept-language: [en-US]
method: GET
response:
  body: {string: "{"\n    "properties": {\n      "vmId": "fe619a01-dcdf-4ea8-8c2e-7d8e5a1ad079",
      "hardwareProfile": {\n        "vmSize": "Standard_DS1_v2",
        "publisher": "MicrosoftWindowsServer",
        "offer": "WindowsServer",
        "sku": "2012-R2-Datacenter",
        "version": "latest",
        "osDisk": {\n          "createOption": "FromImage",
          "caching": "ReadWrite",
          "managedDisk": {\n            "storageAccountType": "Premium_LRS"
          }
        }
      }
    }
  \n  "storageProfile": {\n    "imageReference": {\n      "publisher": "MicrosoftWindowsServer",
      "offer": "WindowsServer",
      "sku": "2012-R2-Datacenter",
      "version": "latest",
      "osDisk": {\n        "createOption": "FromImage",
        "caching": "ReadWrite",
        "managedDisk": {\n          "storageAccountType": "Premium_LRS"
        }
      }
    }
  "}"}
body: null
headers:
Accept: [application/json]
Accept-Encoding: ['gzip, deflate']
CommandName: [vm create]
Connection: [keep-alive]
Content-Type: [application/json; charset=utf-8]
User-Agent: [python/3.5.2 (Windows-10-10.0.17134-SP0) requests/2.19.1 msrest/0.5.4
msrest_azure/0.4.34 networkmanagementclient/2.0.0rc3 Azure-SDK-For-Python
AZURECLI/2.0.43]
accept-language: [en-US]
method: GET
uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/networkInterfa
ces/winvmVMNic?api-version=2017-10-01
response:
body: {string: "{\r\n \"name\": \"winvmVMNic\",\r\n \"id\": \"/subscriptions/00000000-0000-0000-0000000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/networkInterfa
ces/winvmVMNic\"\
,\r\n \"etag\": \"W/\\\"c464ee66-a062-43ef-9489-3e82b3673c3f\\\"\",\r\n \
\ \"location\": \"westus\",\r\n \"tags\": {},\r\n \"properties\": {\r\n\
\ \"provisioningState\": \"Succeeded\",\r\n \"resourceGuid\": \"c8ac2254-431c-4cf1-a6da-533f5cb0a8a6\"\
,\r\n \"ipConfigurations\": [\r\n
{\r\n
\"name\": \"ipconfigwinvm\"\
,\r\n
\"id\": \"/subscriptions/00000000-0000-0000-0000000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/networkInterfa
ces/winvmVMNic/ipConfigurations/ipconfigwinvm\"\
,\r\n
\"etag\": \"W/\\\"c464ee66-a062-43ef-9489-3e82b3673c3f\\\"\"\
,\r\n
\"properties\": {\r\n
\"provisioningState\": \"Succeeded\"\
,\r\n
\"privateIPAddress\": \"10.0.0.4\",\r\n
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: \"Dynamic\",\r\n
\"publicIPAddress\": {\r\n
\"id\":\
\ \"/subscriptions/00000000-0000-0000-0000000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/publicIPAddre
sses/winvmPublicIP\"\
\r\n
},\r\n
\"subnet\": {\r\n
\"id\": \"/subscriptions/00000000-0000-0000-0000000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/virtualNetwork
s/winvmVNET/subnets/winvmSubnet\"\
\r\n
},\r\n
\"primary\": true,\r\n
\"privateIPAddressVersion\"\
: \"IPv4\",\r\n
\"isInUseWithService\": false\r\n
}\r\n \
\ }\r\n ],\r\n \"dnsSettings\": {\r\n
\"dnsServers\": [],\r\n\
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\"appliedDnsServers\": [],\r\n
\"internalDomainNameSuffix\": \"\
nvxyg3qyqkveremqwg2tbk24ba.dx.internal.cloudapp.net\"\r\n },\r\n \"\
macAddress\": \"00-0D-3A-38-0C-1F\",\r\n \"enableAcceleratedNetworking\"\
: false,\r\n \"enableIPForwarding\": false,\r\n \"networkSecurityGroup\"\
: {\r\n
\"id\": \"/subscriptions/00000000-0000-0000-0000000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/networkSecurit
yGroups/winvmNSG\"\
\r\n },\r\n \"primary\": true,\r\n \"virtualMachine\": {\r\n \
\ \"id\": \"/subscriptions/00000000-0000-0000-0000-

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headers:
cache-control: [no-cache]
content-length: ['1030']
content-type: [application/json; charset=utf-8]
date: ['Fri, 20 Jul 2018 22:57:29 GMT']
etag: [W/"c07a43dd-92b5-4328-9244-7597387fc8dc"]
expires: ['-1']
pragma: [no-cache]
server: [Microsoft-HTTPAPI/2.0, Microsoft-HTTPAPI/2.0]
strict-transport-security: [max-age=31536000; includeSubDomains]
transfer-encoding: [chunked]
var: [Accept-Encoding]
x-content-type-options: [nosniff]
status: {code: 200, message: OK}

- request:
  body: null
  headers:
    Accept: [application/json]
    Accept-Encoding: ['gzip, deflate']
    User-Agent: [python/3.5.2 (Windows-10-10.0.17134-SP0) requests/2.19.1 msrest/0.5.4 msrest_azure/0.4.34 computemanagementclient/4.0.0rc2 Azure-SDK-For-Python AZURECLI/2.0.43]
    accept-language: [en-US]

  method: GET

response:
body: |
  "properties": {
    "vmId": "fe619a01-dcdf-4ea8-8c2e-7d8e5a1ad079",
    "hardwareProfile": {
      "vmSize": "Standard_DS1_v2"
    },
    "storageProfile": {
      "imageReference": {
        "publisher": "MicrosoftWindowsServer",
        "offer": "WindowsServer",
        "sku": "2012-R2-Datacenter",
        "version": "latest",
        "osDisk": {
          "osType": "Windows",
          "name": "winvm_OsDisk_1_eff074277c5f40869188a8b660448437",
          "createOption": "FromImage",
          "caching": "ReadWrite",
          "managedDisk": {
            "storageAccountType": "Premium_LRS"
          }
        }
      }
    },
    "osProfile": {
      "computerName": "winvm",
      "adminUsername": "clitest1234",
      "windowsConfiguration":
      "enableAutomaticUpdates": false,
      "provisionVHDOptions": "UseLatestImage",
      "provisionDataDiskOptions": "NotProvisioned"
    }
  }
User-Agent: [python-requests/2.19.1]
method: GET
response:
  body: |
    {"$schema":"http://schema.management.azure.com/schemas/2015-01-01/deploymentTemplate.json","contentVersion":"1.0.0.0","parameters":{},"variables":{},"resources":[]}
  |
  "outputs":{
    "aliases":{
      "type":"object",
      "value":{
        "Linux":{
          "CentOS":{
            "publisher":"OpenLogic",
            "offer":"CentOS",
            "sku":"7.3",
            "version":"latest"
          },
          "CoreOS":{
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            "offer":"CoreOS",
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          },
          "Debian":{
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            "version":"latest"
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            "version": "latest"
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headers:
  accept-ranges: [bytes]
  access-control-allow-origin: ['*']
  cache-control: [max-age=300]
  connection: [keep-alive]
  content-length: ['2235']
  content-security-policy: [default-src 'none'; style-src 'unsafe-inline'; sandbox]
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],
"headers:

  azure-asyncoperation: ['https://management.azure.com/subscriptions/00000000-0000-0000-0000-000000000000/resourcegroups/cli_test_windows_license_type000001/providers/Microsoft.Resources/deployments/vmss_deploy_wZXB6k9DQxX1AYcvDi6FNSsYQdL3Yzp7/operationStatuses/08586694793779703228?api-version=2018-02-01']

  cache-control: [no-cache]

  content-length: [2080]

  content-type: [application/json; charset=utf-8]

  date: [Fri, 20 Jul 2018 22:58:27 GMT]

  expires: ['-1']

  pragma: [no-cache]

  strict-transport-security: [max-age=31536000; includeSubDomains]

  x-content-type-options: [nosniff]

  x-ms-ratelimit-remaining-subscription-writes: [1199]

  status: {code: 201, message: Created}

- request:

  body: null

  headers:

    Accept: [application/json]

    Accept-Encoding: ['gzip, deflate']

    CommandName: [vmss create]

    Connection: [keep-alive]

    User-Agent: [python/3.5.2 (Windows-10-10.0.17134-SP0) requests/2.19.1 mrest/0.5.4

    msrest_azure/0.4.34 resourcemanagementclient/2.0.0rc2 Azure-SDK-For-Python

    AZURECLI/2.0.43]

  method: GET


response:

  body: [string: '{"status":"Running"}']

  headers:

    cache-control: [no-cache]

    content-length: [20]

    content-type: [application/json; charset=utf-8]

    date: [Fri, 20 Jul 2018 22:58:58 GMT]
AZURECLI/2.0.43
method: GET
uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-000000000000/resourcegroups/cli_test_windows_license_type000001/providers/Microsoft-resources/deployments/mock-deployment/operationstatuses/08586694793779703228?api-version=2018-02-01
response:
  body: {string: '{"status":"Running"}'}
  headers:
    cache-control: [no-cache]
    content-length: ['20']
    content-type: [application/json; charset=utf-8]
    date: ['Fri, 20 Jul 2018 23:00:59 GMT']
    expires: ['-1']
    pragma: [no-cache]
    strict-transport-security: [max-age=31536000; includeSubDomains]
    vary: [Accept-Encoding]
    x-content-type-options: [nosniff]
    status: {code: 200, message: OK}
- request:
  body: null
  headers:
    Accept: [application/json]
    Accept-Encoding: ['gzip, deflate']
    CommandName: [vmss create]
    Connection: [keep-alive]
    User-Agent: [python/3.5.2 (Windows-10-10.0.17134-SP0) requests/2.19.1 msrest/0.5.4 msrest_azure/0.4.34 resourcemanagementclient/2.0.0rc2 Azure-SDK-For-Python AZURECLI/2.0.43]
method: GET
response:
  body: {string: '{"status":"Running"}'}
  headers:
    cache-control: [no-cache]
    content-length: ['20']
    content-type: [application/json; charset=utf-8]
    date: ['Fri, 20 Jul 2018 23:01:30 GMT']
    expires: ['-1']
    pragma: [no-cache]
    strict-transport-security: [max-age=31536000; includeSubDomains]
    vary: [Accept-Encoding]
    x-content-type-options: [nosniff]
    status: {code: 200, message: OK}
- request:
  body: null
  headers:
Accept: [application/json]
Accept-Encoding: ['gzip, deflate']
CommandName: [vmss create]
Connection: [keep-alive]
User-Agent: [python/3.5.2 (Windows-10-10.0.17134-SP0) requests/2.19.1 msrest/0.5.4
msrest_azure/0.4.34 resourcemanagementclient/2.0.0rc2 Azure-SDK-For-Python
AZURECLI/2.0.43]
method: GET
response:
body: {string: '{"status": "Running"}'}
headers:
cache-control: [no-cache]
content-length: ['20']
content-type: [application/json; charset=utf-8]
date: ['Fri, 20 Jul 2018 23:02:01 GMT']
expires: ['-1']
pragma: [no-cache]
strict-transport-security: [max-age=31536000; includeSubDomains]

- request:
  body: null
  headers:
    Accept: [application/json]
    Accept-Encoding: ['gzip, deflate']
    CommandName: [vmss create]
    Connection: [keep-alive]
    User-Agent: [python/3.5.2 (Windows-10-10.0.17134-SP0) requests/2.19.1 msrest/0.5.4
msrest_azure/0.4.34 resourcemanagementclient/2.0.0rc2 Azure-SDK-For-Python
AZURECLI/2.0.43]
  method: GET
  response:
  body: {string: '{"status": "Succeeded"}'}
  headers:
    cache-control: [no-cache]
    content-length: ['22']
    content-type: [application/json; charset=utf-8]
    date: ['Fri, 20 Jul 2018 23:02:31 GMT']
    expires: ['-1']
    pragma: [no-cache]
    strict-transport-security: [max-age=31536000; includeSubDomains]
{"value":null}
Open Source Used In Cisco Container Platform 6.1.015872

body: null
headers:
  Accept: [application/json]
  Accept-Encoding: ['gzip, deflate']
  CommandName: [vmss update]
  Connection: [keep-alive]
  Content-Type: [application/json; charset=utf-8]
  User-Agent: [python/3.5.2 (Windows-10-10.0.17134-SP0) requests/2.19.1 msrest/0.5.4 msrest_azure/0.4.34 computemanagementclient/4.0.0rc2 Azure-SDK-For-Python AZURECLI/2.0.43]
  accept-language: [en-US]
method: GET
response:
  body: {string: '{
    "sku": {
      "name": "Standard_DS1_v2",
      "tier": "Standard",
      "capacity": 1
    },
    "properties": {
      "singlePlacementGroup": true,
      "upgradePolicy": {
        "mode": "Manual",
        "automaticOSUpgrade": false
      },
      "virtualMachineProfile": {
        "osProfile": {
          "computerNamePrefix": "winvmf064",
          "adminUsername": "clitest1234",
          "windowsConfiguration": {
            "provisionVMAgent": true,
            "enableAutomaticUpdates": true
          },
          "storageProfile": {
            "osDisk": {
              "createOption": "FromImage",
              "caching": "ReadWrite",
              "managedDisk": {
                "storageAccountType": "Premium_LRS"
              }
            },
            "imageReference": {
              "publisher": "MicrosoftWindowsServer",
              "offer": "WindowsServer",
              "sku": "2012-R2-Datacenter",
              "version": "latest"
            }
          },
          "networkProfile": {
            "networkInterfaceConfigurations": {
              "name": "winvmf064Nic",
              "primary": true,
              "enableAcceleratedNetworking": false,
              "dnsSettings": {},
              "ipConfigurations": {
                "name": "winvmf064IPConfig",
                "properties": {
                  "subnet": {
                    "id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/virtualNetworks/winvmVNET/subnets/winvmSubnet"
                  }
                }
              }
            }
          },
          "provisioningState": "Succeeded",
          "overprovision": true,
          "uniqueId": "9a771ba4-96cc-48e3-8f24-20a9ca06099"
        },
        "type": "Microsoft.Compute/virtualMachineScaleSets"
      },
      "location": "null"
    }
  }
Open Source Used In Cisco Container Platform 6.1.015874

User-Agent: [python/3.5.2 (Windows-10-10.0.17134-SP0) requests/2.19.1 msrest/0.5.4 msrest_azure/0.4.34 computemanagementclient/4.0.0rc2 Azure-SDK-For-Python AZURECLI/2.0.43]
accept-language: [en-US]
method: PUT
response:

body: {string: "{\n  "sku": {\n    "name": "Standard_DS1_v2",\n    "tier": "Standard",\n    "capacity": 1\n  },\n  "properties": {\n    "singlePlacementGroup": true,\n    "upgradePolicy": {\n      "model": "Manual",\n      "automaticOSUpgrade": false\n    },\n    "virtualMachineProfile": {\n      "osProfile": {\n        "computerNamePrefix": "winvmf064",\n        "adminUsername": "clitest1234",\n        "windowsConfiguration": {\n          "provisionVMAgent": true,\n          "enableAutomaticUpdates": true,\n          "osDisk": {\n            "createOption": "FromImage",\n            "caching": "ReadWrite",\n            "managedDisk": {\n              "storageAccountType": "Premium_LRS"\n            }\n          },\n          "imageReference": {\n            "publisher": "MicrosoftWindowsServer",\n            "offer": "WindowsServer",\n            "version": "2012-R2-Datacenter",\n            "sku": "2012-R2-Datacenter\n          }\n        },\n        "networkProfile": {\n          "networkInterfaceConfigurations": [{\n            "name": "winvmf064Nic",\n            "primary": true,\n            "enableAcceleratedNetworking": false,\n            "dnsSettings": {\n              "dnsServers": []\n            },\n            "ipConfigurations": [{\n              "name": "winvmf064IPConfig",\n              "subnet": {\n                "id": "subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/virtualNetworks/winvmVNET/subnets/winvmSubnet"\n              }\n            }\n          }],\n          "licenseType": "None",\n          "provisioningState": "Updating",\n          "overprovision": true,\n          "uniqueId": "9a771ba4-96cc-48e3-8f24-20af9ca00609"\n        },\n        "location": "westus",\n        "tags": {}\n      },\n      "type": "Microsoft.Compute/virtualMachineScaleSets\n    },\n    "resourceGroup": "cli_test_windows_license_type000001",\n    "name": "winvmss"\n  },\n  "type": "Microsoft.Compute/virtualMachineScaleSets\n    "location": "westus",\n    "tags": {}\n  },\n  "id": "subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Compute/virtualMachineScaleSets/winvmss\n  },\n  "name": "winvmss"\n}"
headers:
  azure-asyncoperation: ['https://management.azure.com/subscriptions/00000000-0000-0000-0000-000000000000/providers/Microsoft.Compute/locations/westus/operations/ae6d8dc3-0456-43f4-91f0-078879e909d0?api-version=2017-03-30']
method: GET
response:
body: {string: "{\n  "sku": {\n    "name": "Standard_DS1_v2"},\n  "tier": "Standard"},\n  "capacity": 1,\n  "properties": {\n    "singlePlacementGroup": true,\n    "upgradePolicy": {\n      "mode": "Manual"},\n    "automaticOSUpgrade": false,\n    "virtualMachineProfile": {\n      "osProfile": {\n        "computerNamePrefix": "winvmf064"},\n      "adminUsername": "clitest1234"},\n    "windowsConfiguration": {\n      "provisionVMAgent": true,\n      "enableAutomaticUpdates": true,\n      "storageProfile": {\n        "osDisk": {\n          "createOption": "FromImage"},\n        "managedDisk": {\n          "caching": "ReadWrite"},\n        "storageAccountType": "Premium_LRS"},\n      "imageReference": {\n        "publisher": "MicrosoftWindowsServer"},\n      "networkProfile": {\n        "networkInterfaceConfigurations": [{\n          "name": "winvmf064Nic", \n          "properties": {\n            "primary": true, \n            "enableAcceleratedNetworking": false, \n            "dnsSettings": {\n              "dnsServers": []}, \n            "ipConfigurations": [{\n              "name": "winvmf064IPConfig", \n              "properties": {\n                "subnet": {\n                  "id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/virtualNetworks/winvmVNET/subnets/winvmSubnet"}, \n                "loadBalancerBackendAddressPools": [], \n                "loadBalancerInboundNatPools": []}, \n              "id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/loadBalancers/winvmssLB/backendAddressPools/winvmssLBBackendPool"}, \n            "loadBalancerInboundNatPools": [{\n              "id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/loadBalancers/winvmssLB/inboundNatPools/winvmssLBInboundNatPool"}, \n            "location": "westus"}, \n          "tags": {}}, \n          "id": "subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Compute/virtualMachineScaleSets/winvmss"}, \n        "type": "Microsoft.Compute/virtualMachineScaleSets"},\n      "location": "westus"},\n    "id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Compute/virtualMachineScaleSets/winvmss"},\n  "name": "winvmss"}},\nheaders:
cache-control: [no-cache]
content-length: [2536]
content-type: [application/json; charset=utf-8]
date: [Fri, 20 Jul 2018 23:04:53 GMT]
expires: ["-1"]
pragma: [no-cache]
server: [Microsoft-HTTPAPI/2.0, Microsoft-HTTPAPI/2.0]
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TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE
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interactions:
- request:
  body: null
  headers:
    Accept:
    - application/json
    Accept-Encoding:
    - gzip, deflate
    CommandName:
    - vm create
    Connection:
    - keep-alive
    ParameterSetName:
    - -l -g -n --admin-username --admin-password --image --size
    User-Agent:
    - python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
      azure-mgmt-compute/10.0.0 Azure-SDK-For-Python AZURECLI/2.0.76
    accept-language:
    - en-US
  method: GET
  uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-
  000000000000/providers/Microsoft.Compute/locations/westus/publishers/MicrosoftSQLServer/artifacttypes/vmima
  response:
  body:
    string: "[{
    "location": "westus",
    "name": "14.1.191008",
    "id": "/Subscriptions/00000000-0000-0000-0000-
    000000000000/Providers/Microsoft.Compute/Locations/westus/Publishers/MicrosoftSQLServer/ArtifactTypes/VMI
    }
]
  headers:
    cache-control:
    - no-cache
    content-length:
    - '290'
    content-type:
    - application/json; charset=utf-8
    date:
    - Thu, 12 Dec 2019 19:21:58 GMT
    expires:
    - '-1'
    pragma:
    - no-cache
    server:
    - Microsoft-HTTPAPI/2.0
    - Microsoft-HTTPAPI/2.0
strict-transport-security:
- max-age=31536000; includeSubDomains
transfer-encoding:
- chunked
vary:
- Accept-Encoding
x-content-type-options:
- nosniff
status:
  code: 200
  message: OK
request:
  body: null
  headers:
    Accept:
    - application/json
    Accept-Encoding:
    - gzip, deflate
    CommandName:
    - vm create
    Connection:
    - keep-alive
    ParameterSetName:
    - -l -g -n --admin-username --admin-password --image --size
    User-Agent:
    - python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
    azure-mgmt-compute/10.0.0 Azure-SDK-For-Python AZURECLI/2.0.76
    accept-language:
    - en-US
    method: GET
response:
  body:
  string: "{"\n  "properties": {"\n  \"hyperVGeneration\": \"V1\", \n  \"replicaType\": "\n  \"Unmanaged\", \n  \"disallowed\": {"\n  \"vmDiskType\": "\n  \"None\"\n  },\n  \"automaticOSUpgradeProperties\": {"\n  \"automaticOSUpgradeSupported\": false\n  },\n  \"osDiskImage\": {"\n  \"operatingSystem\": \"Windows\", \n  \"sizeInGb\": 128, \n  \"sizeInBytes\": 136367309312 \n  },\n  \"dataDiskImages\": [],\n  \"location\": \"westus\", \n  \"name\": \"14.1.191008\", \n  \"id\": \"/Subscriptions/00000000-0000-0000-0000-000000000000/Providers/Microsoft.Compute/Locations/westus/Publishers/MicrosoftSQLServer/ArtifactTypes/vmimage/OfferOffers/SQL2017-WS2016/Skus/Enterprise Versions/14.1.191008\"\n  }\n  "
  headers:
  cache-control:
  - no-cache
  content-length:
headers:
cache-control:
- no-cache
content-length:
- '12'
content-type:
- application/json; charset=utf-8
date:
- Thu, 12 Dec 2019 19:21:59 GMT
expires:
- '-1'
pragma:
- no-cache
strict-transport-security:
- max-age=31536000; includeSubDomains
vary:
- Accept-Encoding
x-content-type-options:
- nosniff
status:
code: 200
message: OK
request:
body: null
headers:
Accept:
- application/json
Accept-Encoding:
- gzip, deflate
CommandName:
- vm create
Connection:
- keep-alive
ParameterSetName:
- -l -g -n --admin-username --admin-password --image --size
User-Agent:
- python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
  azure-mgmt-compute/10.0.0 Azure-SDK-For-Python AZURECLI/2.0.76
accept-language:
- en-US
method: GET
response:
body:
string: "{"\"value\": [\{"\"name\": \"Standard_B1ls\",\n  \"numberOfCores\": 1,\n  \"osDiskSizeInMB\": 1047552,\n  \"resourceDiskSizeInMB\": 4096,\n  \"memoryInMB\": 512,\n  \"maxDataDiskCount\": 2\n  \}]}"
{
  "name": "Standard_B1ms",
  "numberOfCores": 1,
  "osDiskSizeInMB": 1047552,
  "resourceDiskSizeInMB": 4096,
  "memoryInMB": 2048,
  "maxDataDiskCount": 2
},
{
  "name": "Standard_B1s",
  "numberOfCores": 1,
  "osDiskSizeInMB": 1047552,
  "resourceDiskSizeInMB": 4096,
  "memoryInMB": 1024,
  "maxDataDiskCount": 2
},
{
  "name": "Standard_B2ms",
  "numberOfCores": 2,
  "osDiskSizeInMB": 1047552,
  "resourceDiskSizeInMB": 16384,
  "memoryInMB": 8192,
  "maxDataDiskCount": 4
},
{
  "name": "Standard_B2s",
  "numberOfCores": 2,
  "osDiskSizeInMB": 1047552,
  "resourceDiskSizeInMB": 8192,
  "memoryInMB": 4096,
  "maxDataDiskCount": 4
},
{
  "name": "Standard_B4ms",
  "numberOfCores": 4,
  "osDiskSizeInMB": 1047552,
  "resourceDiskSizeInMB": 32768,
  "memoryInMB": 16384,
  "maxDataDiskCount": 8
},
{
  "name": "Standard_B4s",
  "numberOfCores": 4,
  "osDiskSizeInMB": 1047552,
  "resourceDiskSizeInMB": 16384,
  "memoryInMB": 8192,
  "maxDataDiskCount": 8
},
{
  "name": "Standard_B8ms",
  "numberOfCores": 8,
  "osDiskSizeInMB": 1047552,
  "resourceDiskSizeInMB": 65536,
  "memoryInMB": 32768,
  "maxDataDiskCount": 16
},
{
  "name": "Standard_B8s",
  "numberOfCores": 8,
  "osDiskSizeInMB": 1047552,
  "resourceDiskSizeInMB": 32768,
  "memoryInMB": 16384,
  "maxDataDiskCount": 16
},
{
  "name": "Standard_B12ms",
  "numberOfCores": 12,
  "osDiskSizeInMB": 1047552,
  "resourceDiskSizeInMB": 98304,
  "memoryInMB": 49152,
  "maxDataDiskCount": 32
},
{
  "name": "Standard_B12s",
  "numberOfCores": 12,
  "osDiskSizeInMB": 1047552,
  "resourceDiskSizeInMB": 49152,
  "memoryInMB": 24576,
  "maxDataDiskCount": 32
},
{
  "name": "Standard_DS1_v2",
  "numberOfCores": 1,
  "osDiskSizeInMB": 1047552,
  "resourceDiskSizeInMB": 3584,
  "memoryInMB": 18436,
  "maxDataDiskCount": 4
},
{
  "name": "Standard_DS2_v2",
  "numberOfCores": 2,
  "osDiskSizeInMB": 1047552,
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Open Source Used In Cisco Container Platform 6.1.015890
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Open Source Used In Cisco Container Platform 6.1.015895
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Open Source Used In Cisco Container Platform 6.1.015898

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- Microsoft-HTTPAPI/2.0
strict-transport-security:
- max-age=31536000; includeSubDomains
transfer-encoding:
- chunked
vary:
- Accept-Encoding
x-content-type-options:
- nosniff
x-ms-ratelimit-remaining-resource:
- Microsoft.Compute/GetSubscriptionInfo3Min;419
status:
code: 200
message: OK
- request:
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Open Source Used In Cisco Container Platform 6.1.015900


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- vm create  
Connection:  
- keep-alive  
ParameterSetName:  
- -l -g -n --admin-username --admin-password --image --size  
User-Agent:  
- python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2  
  azure-mgmt-resource/4.0.0 Azure-SDK-For-Python AZURECLI/2.0.76  
method: GET  
response:  
  body:  
    string: '{"status":"Running"}'  
  headers:  
    cache-control:  
    - no-cache  
    content-length:  
    - '20'  
    content-type:  
    - application/json; charset=utf-8  
    date:  
    - Thu, 12 Dec 2019 19:23:01 GMT  
    expires:  
    - '-1'  
    pragma:  
    - no-cache  
    strict-transport-security:  
    - max-age=31536000; includeSubDomains  
    vary:  
    - Accept-Encoding  
    x-content-type-options:  
    - nosniff  
    status:  
    code: 200  
    message: OK  
- request:  
  body: null  
  headers:  
    Accept:  
    - application/json  
    Accept-Encoding:  
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    CommandName:  
    - vm create  
    Connection:
- keep-alive
ParameterSetName:
- -l -g -n --admin-username --admin-password --image --size
User-Agent:
- python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
  azure-mgmt-resource/4.0.0 Azure-SDK-For-Python AZURECLI/2.0.76
method: GET
uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-
000000000000/resourcegroups/sqlvm_cli_test_license000001/providers/Microsoft.Resources/deployments/mock-
deployment/operationStatuses/08586254283651124175?api-version=2019-07-01
response:
  body:
    string: {"status":"Running"}
  headers:
    cache-control:
      - no-cache
    content-length:
      - '20'
    content-type:
      - application/json; charset=utf-8
    date:
      - Thu, 12 Dec 2019 19:23:31 GMT
    expires:
      - '-1'
    pragma:
      - no-cache
    strict-transport-security:
      - max-age=31536000; includeSubDomains
    vary:
      - Accept-Encoding
    x-content-type-options:
      - nosniff
  status:
    code: 200
    message: OK
- request:
  body: null
  headers:
    Accept:
      - application/json
    Accept-Encoding:
      - gzip, deflate
    CommandName:
      - vm create
    Connection:
      - keep-alive
    ParameterSetName:
      - -l -g -n --admin-username --admin-password --image --size
User-Agent:
- python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
  azure-mgmt-resource/4.0.0 Azure-SDK-For-Python AZURECLI/2.0.76
method: GET
response:
  body:
  string: \'{"status":"Running"}\'
headers:
cache-control:
- no-cache
content-length:
- '20'
content-type:
- application/json; charset=utf-8
date:
- Thu, 12 Dec 2019 19:24:01 GMT
expires:
- '-1'
pragma:
- no-cache
strict-transport-security:
- max-age=31536000; includeSubDomains
vary:
- Accept-Encoding
x-content-type-options:
- nosniff
status:
  code: 200
  message: OK
- request:
  body: null
  headers:
    Accept:
    - application/json
    Accept-Encoding:
    - gzip, deflate
    CommandName:
    - vm create
    Connection:
    - keep-alive
    ParameterSetName:
    - -l -g -n --admin-username --admin-password --image --size
    User-Agent:
    - python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
      azure-mgmt-resource/4.0.0 Azure-SDK-For-Python AZURECLI/2.0.76
method: GET
response:
  body:
    string: '{"status":"Running"}'
  headers:
    cache-control: - no-cache
    content-length: - '20'
    content-type: - application/json; charset=utf-8
    date: - Thu, 12 Dec 2019 19:24:31 GMT
    expires: - '-1'
    pragma: - no-cache
    strict-transport-security: - max-age=31536000; includeSubDomains
    vary: - Accept-Encoding
    x-content-type-options: - nosniff
    status:
      code: 200
      message: OK
  - request:
    body: null
    headers:
      Accept:
        - application/json
      Accept-Encoding:
        - gzip, deflate
      CommandName:
        - vm create
      Connection:
        - keep-alive
      ParameterSetName:
        - -l -g -n --admin-username --admin-password --image --size
      User-Agent:
        - python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
          azure-mgmt-resource/4.0.0 Azure-SDK-For-Python AZURECLI/2.0.76
      method: GET
deployment/operationStatuses/08586254283651124175?api-version=2019-07-01
response:
  body:
    string: '["status":"Running"]'
headers:
  cache-control:
    - no-cache
  content-length:
    - '20'
  content-type:
    - application/json; charset=utf-8
date:
  - Thu, 12 Dec 2019 19:25:01 GMT
expires:
  - '-1'
pragma:
  - no-cache
  strict-transport-security:
    - max-age=31536000; includeSubDomains
vary:
  - Accept-Encoding
x-content-type-options:
  - nosniff
status:
  code: 200
  message: OK
- request:
  body: null
  headers:
    Accept:
      - application/json
    Accept-Encoding:
      - gzip, deflate
    CommandName:
      - vm create
    Connection:
      - keep-alive
    ParameterSetName:
      - -l -g -n --admin-username --admin-password --image --size
    User-Agent:
      - python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
        azure-mgmt-resource/4.0.0 Azure-SDK-For-Python AZURECLI/2.0.76
  method: GET
  uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-
  000000000000/resourcegroups/sqlvm_cli_test_license000001/providers/Microsoft.Resources/deployments/mock-
  deployment/operationStatuses/08586254283651124175?api-version=2019-07-01
response:
  body:
string: ['"status":"Running"']
headers:
cache-control:
  - no-cache
content-length:
  - '20'
content-type:
  - application/json; charset=utf-8
date:
  - Thu, 12 Dec 2019 19:25:31 GMT
expires:
  - '-1'
pragma:
  - no-cache
strict-transport-security:
  - max-age=31536000; includeSubDomains
vary:
  - Accept-Encoding
x-content-type-options:
  - nosniff
status:
  code: 200
  message: OK
request:
  body: null
  headers:
    Accept:
      - application/json
    Accept-Encoding:
      - gzip, deflate
    CommandName:
      - vm create
    Connection:
    - keep-alive
    ParameterSetName:
      - -l -g -n --admin-username --admin-password --image --size
    User-Agent:
      - python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
        azure-mgmt-resource/4.0.0 Azure-SDK-For-Python AZURECLI/2.0.76
    method: GET
uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-
000000000000/resourcegroups/sqlvm_cli_test_license000001/providers/Microsoft.Resources/deployments/mock-
deployment/operationStatuses/08586254283651124175?api-version=2019-07-01
response:
  body:
    string: '{"status":"Running"}'}
content-type: application/json; charset=utf-8
date: Thu, 12 Dec 2019 19:26:32 GMT
expires: -1
pragma: no-cache
strict-transport-security: max-age=31536000; includeSubDomains
vary: Accept-Encoding
x-content-type-options: nosniff
status: code: 200
message: OK
request:
  body: null
  headers:
    Accept: application/json
    Accept-Encoding: gzip, deflate
    CommandName: vm create
    Connection: keep-alive
    ParameterSetName: -l -g -n --admin-username --admin-password --image --size
    User-Agent: python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
    azure-mgmt-resource/4.0.0 Azure-SDK-For-Python AZURECLI/2.0.76
    method: GET
response:
  body:
    string: |
      "id":/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/sqlvm_cli_test_license000001/providers/Microsoft.Resources/deployments/vm_deploy_9z74btKWOzrip1gJxxurXa6VxxhqMbNE","name":/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/sqlvm_cli_test_license000001/providers/Microsoft.Resources/deployments/vm_deploy_9z74btKWOzrip1gJxxurXa6VxxhqMbNE","type":/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/sqlvm_cli_test_license000001/providers/Microsoft.Resources/deployments/vm_deploy_9z74btKWOzrip1gJxxurXa6VxxhqMbNE","templateHash":17822308212418825291,"parameters":{"adminPassword":{"type":"SecureString"},"mode":"Incremental","provisioningState":"Succeeded","timestamp":"2019-12-12T19:26:25.6509897Z","duration":PT4M25.2857764S","correlationId":"5e2d3d66-7253-437d-86ba-0eca68a17db4","providers":{"namespace":"Microsoft.Network","resourceTypes":[]},"locations":["westus"],"resourceTypes":[]},"locations":["westus"],"resourceTypes":[]}

- nosniff
status:
  code: 200
  message: OK
- request:
  body: null
  headers:
    Accept:
    - application/json
    Accept-Encoding:
    - gzip, deflate
  CommandName:
  - vm create
  Connection:
  - keep-alive
ParameterSetName:
- -g -n --admin-username --admin-password --image --size
User-Agent:
- python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
  azure-mgmt-compute/10.0.0 Azure-SDK-For-Python AZURECLI/2.0.76
accept-language:
- en-US
method: GET
response:
  body:
    string: "{ "name": "clisqlvm000002", "id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/sqlvm_cli_test_license000001/providers/Microsoft.Compute/virtualMachines/clisqlvm000002", "type": "Microsoft.Compute/virtualMachines", "location": "westus", "tags": {}, "properties": { "vmId": "f65ab29b-ca6a-4bec-b562-39f1c73f25a6", "hardwareProfile": { "vmSize": "Standard_DS2_v2" }, "storageProfile": { "imageReference": { "publisher": "MicrosoftSQLServer", "offer": "SQL2017-WS2016", "sku": "SQL2017-WS2016", "version": "latest" }, "osDisk": { "createOption": "FromImage", "caching": "ReadWrite", "managedDisk": { "storageAccountType": "Premium_LRS" }, "id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/sqlvm_cli_test_license000001/providers/Microsoft.Compute/disks/clisqlvm000002_OsDisk_1_88e5f0e4ab094f22a492a71028ec2648", "diskSizeGB": 127 }, "dataDisks": [ ], "adminUsername": "admin123", "windowsConfiguration": { "provisionVMAgent": true, "enableAutomaticUpdates": true } }"}
\
},\r\n
\"primary\": true,\r\n
\"privateIPAddressVersion\":
\"IPv4\"\r\n
}\r\n
}\r\n ],\r\n \"dnsSettings\": {\r\n
\"dnsServers\":
[],\r\n
\"appliedDnsServers\": [],\r\n
\"internalDomainNameSuffix\":
\"dtaw2czizn4elcs1gswf0n5k1f.dx.internal.cloudapp.net\"\r\n },\r\n \"macAddress\":
\"00-0D-3A-37-EA-18\",\r\n \"enableAcceleratedNetworking\": false,\r\n
\ \"enableIPForwarding\": false,\r\n \"networkSecurityGroup\": {\r\n
\ \"id\": \"/subscriptions/00000000-0000-0000-0000000000000000/resourceGroups/sqlvm_cli_test_license000001/providers/Microsoft.Network/networkSecurityGroup
s/clisqlvm000002NSG\"\r\n
\ },\r\n \"primary\": true,\r\n \"virtualMachine\": {\r\n
\"id\":
\"/subscriptions/00000000-0000-0000-0000000000000000/resourceGroups/sqlvm_cli_test_license000001/providers/Microsoft.Compute/virtualMachines/clisql
vm000002\"\r\n
\ }\r\n },\r\n \"type\": \"Microsoft.Network/networkInterfaces\"\r\n}"
headers:
cache-control:
- no-cache
content-length:
- '2688'
content-type:
- application/json; charset=utf-8
date:
- Thu, 12 Dec 2019 19:26:34 GMT
etag:
- W/"310b5d35-a102-4a32-bd8b-d245c84eb811"
expires:
- '-1'
pragma:
- no-cache
server:
- Microsoft-HTTPAPI/2.0
- Microsoft-HTTPAPI/2.0
strict-transport-security:
- max-age=31536000; includeSubDomains
transfer-encoding:
- chunked
vary:
- Accept-Encoding
x-content-type-options:
- nosniff
x-ms-arm-service-request-id:
- 46827473-a0eb-4f91-9eaf-341d80c21adc
status:
code: 200
message: OK
- request:
body: null
headers:

Open Source Used In Cisco Container Platform 6.1.015916


Open Source Used In Cisco Container Platform 6.1.015918
CommandName: - sql vm create
Connection: - keep-alive
ParameterSetName: - n - g - l --image-sku --license-type
User-Agent: - python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2 azure-mgmt-sqlvirtualmachine/0.5.0 Azure-SDK-For-Python AZURECLI/2.0.76
method: GET
uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-000000000000/providers/Microsoft.SqlVirtualMachine/locations/westus/operationTypes/createsqlvirtualmachine/operationResults/af226d1b-09f9-4fe3-bd00-bca4683507bf?api-version=2017-03-01-preview
response:
body:
  string: '{"name":"af226d1b-09f9-4fe3-bd00-bca4683507bf","status":"InProgress","startTime":"2019-12-12T19:26:35.59Z"}'
headers:
cache-control: - no-cache
content-length: - '107'
content-type: - application/json; charset=utf-8
date: - Thu, 12 Dec 2019 19:27:06 GMT
expires: - '-1'
pragma: - no-cache
server: - Microsoft-HTTPAPI/2.0
strict-transport-security: - max-age=31536000; includeSubDomains
transfer-encoding: - chunked
vary: - Accept-Encoding
x-content-type-options: - nosniff
status:
  code: 200
  message: OK
request:
  body: null
  headers:
    Accept: - application/json
Accept-Encoding:
- gzip, deflate
CommandName:
- sql vm create
Connection:
- keep-alive
ParameterSetName:
- -n -g -l --image-sku --license-type
User-Agent:
- python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
  azure-mgmt-sqlvirtualmachine/0.5.0 Azure-SDK-For-Python AZURECLI/2.0.76
method: GET
uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-000000000000/providers/Microsoft.SqlVirtualMachine/locations/westus/operationTypes/createsqlvirtualmachine/operationResults/af226d1b-09f9-4fe3-bd00-bca4683507bf?api-version=2017-03-01-preview
response:
  body:
    string: '{"name":"af226d1b-09f9-4fe3-bd00-bca4683507bf","status":"InProgress","startTime":"2019-12-12T19:26:35.59Z"}'}
headers:
  cache-control:
  - no-cache
  content-length:
  - '107'
  content-type:
  - application/json; charset=utf-8
date:
  - Thu, 12 Dec 2019 19:27:22 GMT
expires:
  - '-1'
pragma:
  - no-cache
server:
  - Microsoft-HTTPAPI/2.0
strict-transport-security:
  - max-age=31536000; includeSubDomains
transfer-encoding:
  - chunked
vary:
  - Accept-Encoding
x-content-type-options:
  - nosniff
status:
  code: 200
  message: OK
request:
  body: null
  headers:
message: OK
- request:
  body: null
  headers:
    Accept:
    - application/json
    Accept-Encoding:
    - gzip, deflate
    CommandName:
    - sql vm create
    Connection:
    - keep-alive
    ParameterSetName:
    - -n -g -l --image-sku --license-type
    User-Agent:
    - python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
      azure-mgmt-sqlvirtualmachine/0.5.0 Azure-SDK-For-Python AZURECLI/2.0.76
    method: GET
    uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-000000000000/providers/Microsoft.SqlVirtualMachine/locations/westus/operationTypes/createsqlvirtualmachine/operationResults/af226d1b-09f9-4fe3-bd00-bca4683507bf?api-version=2017-03-01-preview
response:
  body:
    string: '{"name":"af226d1b-09f9-4fe3-bd00-bca4683507bf","status":"InProgress","startTime":"2019-12-12T19:26:35.59Z"}'
  headers:
    cache-control:
    - no-cache
    content-length:
    - '107'
    content-type:
    - application/json; charset=utf-8
    date:
    - Thu, 12 Dec 2019 19:28:07 GMT
    expires:
    - '-1'
    pragma:
    - no-cache
    server:
    - Microsoft-HTTPAPI/2.0
    strict-transport-security:
    - max-age=31536000; includeSubDomains
    transfer-encoding:
    - chunked
    vary:
    - Accept-Encoding
    x-content-type-options:
    - nosniff
strict-transport-security:
- max-age=31536000; includeSubDomains
transfer-encoding:
- chunked
vary:
- Accept-Encoding
x-content-type-options:
- nosniff
status:
  code: 200
  message: OK
request:
  body: null
headers:
  Accept:
  - application/json
  Accept-Encoding:
  - gzip, deflate
  CommandName:
  - sql vm create
  Connection:
  - keep-alive
  ParameterSetName:
  - -n -g -l --image-sku --license-type
  User-Agent:
  - python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
    azure-mgmt-sqlvirtualmachine/0.5.0 Azure-SDK-For-Python AZURECLI/2.0.76
  method: GET
uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-000000000000/providers/Microsoft.SqlVirtualMachine/locations/westus/operationTypes/createsqlvirtualmachine/operationResults/af226d1b-09f9-4fe3-bd00-bca4683507bf?api-version=2017-03-01-preview
response:
  body:
    string: '{"name":"af226d1b-09f9-4fe3-bd00-bca4683507bf","status":"Succeeded","startTime":"2019-12-12T19:26:35.59Z"}'
  headers:
    cache-control:
    - no-cache
    content-length:
    - '106'
    content-type:
    - application/json; charset=utf-8
date:
  - Thu, 12 Dec 2019 19:29:22 GMT
expires:
  - '-1'
pragma:
  - no-cache
server:
  - Microsoft-HTTPAPI/2.0
strict-transport-security:
  - max-age=31536000; includeSubDomains
transfer-encoding:
  - chunked
vary:
  - Accept-Encoding
x-content-type-options:
  - nosniff
status:
  code: 200
  message: OK
request:
  body: null
headers:
  Accept:
  - application/json
  Accept-Encoding:
  - gzip, deflate
  CommandName:
  - sql vm create
  Connection:
  - keep-alive
  ParameterSetName:
  - -n -g -l --image-sku --license-type
  User-Agent:
  - python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
    azure-mgmt-sqlvirtualmachine/0.5.0 Azure-SDK-For-Python AZURECLI/2.0.76
method: GET
response:
  body:
    string: 'pm107f]
"properties":{"virtualMachineResourceId":/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/sqlvm_cli_test_license000001/providers/Microsoft.Compute/virtualMachines/clisqlvm000002","provisioningState":"Succeeded","sqlImageOffer":"SQL2017-WS2016","sqlServerLicenseType":"AHUB","sqlManagement":"LightWeight","sqlImageSku":"Enterprise"},"location":"westus","tags":{}
headers:
  cache-control:
  - no-cache
  content-length:
  - '734'
  content-type:
uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/sqlvm_cli_test_license000001/providers/Microsoft.SqlVirtualMachine/sqlVirtualMachines/clisqlvm000002/api-version=2017-03-01-preview
response:
body:
headers:
cache-control:
- no-cache
content-length:
- '734'
content-type:
- application/json; charset=utf-8
date:
- Thu, 12 Dec 2019 19:29:23 GMT
expires:
- '-1'
pragma:
- no-cache
server:
- Microsoft-HTTPAPI/2.0
strict-transport-security:
- max-age=31536000; includeSubDomains
transfer-encoding:
- chunked
vary:
- Accept-Encoding
x-content-type-options:
- nosniff
status:
  code: 200
  message: OK
- request:
  body: b'b'{"location": "westus", "tags": {}, "properties": {"virtualMachineResourceId": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/sqlvm_cli_test_license000001/providers/Microsoft.Compute/virtualMachines/clisqlvm000002", "sqlImageOffer": "SQL2017-WS2016", "sqlServerLicenseType": "PAYG", "sqlManagement": "LightWeight", "sqlImageSku": "Enterprise" }}''
headers:
  Accept:
- application/json
strict-transport-security:
- max-age=31536000; includeSubDomains
transfer-encoding:
- chunked
vary:
- Accept-Encoding
x-content-type-options:
- nosniff
x-ms-ratelimit-remaining-subscription-writes:
- '1199'
status:
  code: 200
  message: OK
- request:
  body: null
headers:
  Accept:
  - application/json
  Accept-Encoding:
  - gzip, deflate
  CommandName:
  - sql vm update
  Connection:
  - keep-alive
  ParameterSetName:
  - -n -g --image-sku --license-type
  User-Agent:
  - python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
  azure-mgmt-sqlvirtualmachine/0.5.0 Azure-SDK-For-Python AZURECLI/2.0.76
method: GET
uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-000000000000/providers/Microsoft.SqlVirtualMachine/locations/westus/operationTypes/updatesqlvirtualmachine/operationResults/682b4c79-a2c0-42d4-9f39-faa5d6f818e9?api-version=2017-03-01-preview
response:
  body:
  string: '{"name":"682b4c79-a2c0-42d4-9f39-faa5d6f818e9","status":"Succeeded","startTime":"2019-12-12T19:29:25.217Z"}'}
headers:
  cache-control:
  - no-cache
  content-length:
  - '107'
  content-type:
  - application/json; charset=utf-8
date:
  - Thu, 12 Dec 2019 19:29:40 GMT
expires:
  - '-1'
azure-mgmt-sqlvirtualmachine/0.5.0 Azure-SDK-For-Python AZURECLI/2.0.76
method: GET
uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-000000000000/providers/Microsoft.SqlVirtualMachine/locations/westus/operationTypes/deletesqlvirtualmachine/operationResults/459999d9-f59d-47b4-9776-1f4c48f4c5ae?api-version=2017-03-01-preview
response:
  body:
    string: '{"name":"459999d9-f59d-47b4-9776-1f4c48f4c5ae","status":"InProgress","startTime":"2019-12-12T19:29:42.497Z"}'
  headers:
    cache-control:
    - no-cache
    content-length:
    - '108'
    content-type:
    - application/json; charset=utf-8
    date:
    - Thu, 12 Dec 2019 19:30:14 GMT
    expires:
    - '-1'
    pragma:
    - no-cache
    server:
    - Microsoft-HTTPAPI/2.0
    strict-transport-security:
    - max-age=31536000; includeSubDomains
    transfer-encoding:
    - chunked
    vary:
    - Accept-Encoding
    x-content-type-options:
    - nosniff
    status:
    code: 200
    message: OK
  request:
    body: null
    headers:
      Accept:
      - application/json
      Accept-Encoding:
      - gzip, deflate
      CommandName:
      - sql vm delete
      Connection:
      - keep-alive
      ParameterSetName:
      - -n -g --yes
User-Agent:
- python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
  azure-mgmt-sqlvirtualmachine/0.5.0 Azure-SDK-For-Python AZURECLI/2.0.76
method: GET
uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-
000000000000/providers/Microsoft.SqlVirtualMachine/locations/westus/operationTypes/deletesqlvirtualmachine/op
erationResults/459999d9-f59d-47b4-9776-1f4c48f4c5ae?api-version=2017-03-01-preview
response:
  body:
    string: {'name":"459999d9-f59d-47b4-9776-1f4c48f4c5ae","status":"InProgress","startTime":"2019-12-
12T19:29:42.497Z"}'}
headers:
  cache-control:
  - no-cache
  content-length:
  - '108'
  content-type:
  - application/json; charset=utf-8
date:
  - Thu, 12 Dec 2019 19:30:28 GMT
  expires:
  - '-1'
  pragma:
  - no-cache
  server:
  - Microsoft-HTTPAPI/2.0
  strict-transport-security:
  - max-age=31536000; includeSubDomains
  transfer-encoding:
  - chunked
  vary:
  - Accept-Encoding
  x-content-type-options:
  - nosniff
status:
  code: 200
  message: OK
  request:
    body: null
    headers:
      Accept:
      - application/json
      Accept-Encoding:
      - gzip, deflate
      CommandName:
      - sql vm delete
      Connection:
      - keep-alive
ParameterSetName:
- -n -g --yes
User-Agent:
- python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
  azure-mgmt-sqlvirtualmachine/0.5.0 Azure-SDK-For-Python AZURECLI/2.0.76
method: GET
uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-000000000000/providers/Microsoft.SqlVirtualMachine/locations/westus/operationTypes/deletesqlvirtualmachine/operationResults/459999d9-f59d-47b4-9776-1f4c48f4c5ae?api-version=2017-03-01-preview
response:
  body:
    string: '"
  headers:
    cache-control:
    - no-cache
    content-length:
    - '108'
    content-type:
    - application/json; charset=utf-8
date:
  - Thu, 12 Dec 2019 19:30:43 GMT
expires:
  - '-1'
pragma:
  - no-cache
server:
  - Microsoft-HTTPAPI/2.0
strict-transport-security:
  - max-age=31536000; includeSubDomains
transfer-encoding:
  - chunked
vary:
  - Accept-Encoding
x-content-type-options:
  - nosniff
status:
  code: 200
message: OK
- request:
  body: null
  headers:
    Accept:
    - application/json
    Accept-Encoding:
    - gzip, deflate
CommandName:
  - sql vm delete

Open Source Used In Cisco Container Platform 6.1.015943
headers:
- Accept:
  - application/json
- Accept-Encoding:
  - gzip, deflate
- CommandName:
  - sql vm create
- Connection:
  - keep-alive
- Content-Length:
  - '629'
- Content-Type:
  - application/json; charset=utf-8
- ParameterSetName:
  - -n -g -l --image-sku --license-type
- User-Agent:
  - python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
  - azure-mgmt-sqlvirtualmachine/0.5.0 Azure-SDK-For-Python AZURECLI/2.0.76
- accept-language:
  - en-US
- method: PUT

response:
- body:
  - string: |
      {"properties":{"virtualMachineResourceId":"/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/sqlvm_cli_test_license000001/providers/Microsoft.Compute/virtualMachines/clisqlvm000002","provisioningState":"Provisioning","sqlServerLicenseType":"PAYG","sqlManagement":"LightWeight","sqlImageSku":"Unknown"},"location":"westus","tags":{},"id":/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/sqlvm_cli_test_license000001/providers/Microsoft.SqlVirtualMachine/sqlVirtualMachines/clisqlvm000002","name":"clisqlvm000002","type":"Microsoft.SqlVirtualMachine/sqlVirtualMachines"}
  - headers:
      azure-asyncoperation:
      - https://management.azure.com/subscriptions/00000000-0000-0000-0000-000000000000/providers/Microsoft.SqlVirtualMachine/locations/westus/operationTypes/createsqlvirtualmachine/operationResults/4dcbaa03-347a-4bb3-b164-ch54147ee2c8?api-version=2017-03-01-preview
      cache-control:
      - no-cache
      content-length:
      - '701'
      content-type:
      - application/json; charset=utf-8
      date:
      - Thu, 12 Dec 2019 19:31:01 GMT
expires:
- `-1`
pragma:
- no-cache
server:
- Microsoft-HTTPAPI/2.0
strict-transport-security:
- max-age=31536000; includeSubDomains
transfer-encoding:
- chunked
vary:
- Accept-Encoding
x-content-type-options:
- nosniff
status:
code: 200
message: OK
request:
body: null
headers:
Accept:
- application/json
Accept-Encoding:
- gzip, deflate
CommandName:
- sql vm create
Connection:
- keep-alive
ParameterSetName:
- -n -g -l --image-sku --license-type
User-Agent:
- python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
  azure-mgmt-sqlvirtualmachine/0.5.0 Azure-SDK-For-Python AZURECLI/2.0.76
method: GET
uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-000000000000/providers/Microsoft.SqlVirtualMachine/locations/westus/operationTypes/createsqlvirtualmachine/operationResults/4dcbaa03-347a-4bb3-b164-chb54147ee2c8?api-version=2017-03-01-preview
response:
body:
  string: '{"name":"4dcbaa03-347a-4bb3-b164-chb54147ee2c8","status":"InProgress","startTime":"2019-12-12T19:31:00.92Z"}'
headers:
cache-control:
- no-cache
content-length:
- 107
content-type:
- application/json; charset=utf-8
CommandName: - sql vm update
Connection: - keep-alive
ParameterSetName: - -n -g --image-sku
User-Agent: - python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2 azure-mgmt-sqlvirtualmachine/0.5.0 Azure-SDK-For-Python AZURECLI/2.0.76
accept-language: - en-US
method: GET
response:
body:
   string: '"
   "properties": {"virtualMachineResourceId": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/sqlvm_cli_test_license000001/providers/Microsoft.Compute/virtualMachines/clisqlvm000002","provisioningState": "Succeeded","sqlImageOffer": "SQL2017-WS2016","sqlServerLicenseType": "PAYG","sqlManagement": "LightWeight","sqlImageSku": "Enterprise"},"location": "westus","tags": {},"id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/sqlvm_cli_test_license000001/providers/Microsoft.SqlVirtualMachine/sqlVirtualMachines/clisqlvm000002","name": "clisqlvm000002","type": "Microsoft.SqlVirtualMachine/sqlVirtualMachines"}"
headers:
cache-control: - no-cache
content-length: - '734'
content-type: - application/json; charset=utf-8
date: - Thu, 12 Dec 2019 19:32:18 GMT
expires: - '-1'
pragma: - no-cache
server: - Microsoft-HTTPAPI/2.0
strict-transport-security: - max-age=31536000; includeSubDomains
transfer-encoding: - chunked
vary: - Accept-Encoding
x-content-type-options: - nosniff
status:
code: 200
message: OK

- request:
  body: b'\"\"{"location": "westus", "tags": {}, "properties": {"virtualMachineResourceId": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/sqlvm_cli_test_license000001/providers/Microsoft.Compute/virtualMachines/clisqlvm000002", "sqlImageOffer": "SQL2017-WS2016", "sqlServerLicenseType": "PAYG", "sqlManagement": "LightWeight", "sqlImageSku": "Enterprise" }}\"\"'
  headers:
    Accept: application/json
    Accept-Encoding: gzip, deflate
    CommandName: sql vm update
    Connection: keep-alive
    Content-Length: '412'
    Content-Type: application/json; charset=utf-8
    ParameterSetName: -n -g --image-sku
    User-Agent: python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2 azure-mgmt-sqlvirtualmachine/0.5.0 Azure-SDK-For-Python AZURECLI/2.0.76
    accept-language: en-US
    method: PUT
  response:
    body: string: '{"properties": {"virtualMachineResourceId": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/sqlvm_cli_test_license000001/providers/Microsoft.Compute/virtualMachines/clisqlvm000002", "provisioningState": "Updating", "sqlServerLicenseType": "PAYG", "sqlManagement": "LightWeight", "sqlImageSku": "Enterprise", "location": "westus", "tags": {}, "id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/sqlvm_cli_test_license000001/providers/Microsoft.SqlVirtualMachine/sqlVirtualMachines/clisqlvm000002", "name": "clisqlvm000002", "type": "Microsoft.SqlVirtualMachine/sqlVirtualMachines" } }
    headers:
      azure-asyncoperation: https://management.azure.com/subscriptions/00000000-0000-0000-0000-000000000000/providers/Microsoft.SqlVirtualMachine/locations/westus/operationTypes/updatesqlvirtualmachine/operationResults/9dbd5db1-0696-446d-bb08-73d68badabfa?api-version=2017-03-01-preview
      cache-control: no-cache
content-length: 700
content-type: application/json; charset=utf-8
date: Thu, 12 Dec 2019 19:32:19 GMT

request:
body: null
headers:
  Accept: application/json
  Accept-Encoding: gzip, deflate
  CommandName: sql vm update
  ParameterSetName: -n -g --image-sku
  User-Agent: python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2 azure-mgmt-sqlvirtualmachine/0.5.0 Azure-SDK-For-Python AZURECLI/2.0.76

uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-000000000000/providers/Microsoft.SqlVirtualMachine/locations/westus/operationTypes/updatesqlvirtualmachine/operationResults/9dbd5db1-0696-446d-bb08-73d68badabfa?api-version=2017-03-01-preview

response:
body:
  string: '{"name":"9dbd5db1-0696-446d-bb08-73d68badabfa","status":"Succeeded","startTime":"2019-12-'}
headers:
  - Accept:
  - application/json
  - Accept-Encoding:
  - gzip, deflate
  - CommandName:
  - sql vm update
  - Connection:
  - keep-alive
  - ParameterSetName:
  - -n -g --image-sku
  - User-Agent:
  - python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
  - azure-mgmt-sqlvirtualmachine/0.5.0 Azure-SDK-For-Python AZURECLI/2.0.76
method: GET
response:
pragma: - no-cache
server: - Microsoft-HTTPAPI/2.0
strict-transport-security: - max-age=31536000; includeSubDomains
transfer-encoding: - chunked
vary: - Accept-Encoding
x-content-type-options: - nosniff
x-ms-ratelimit-remaining-subscription-writes: - '1199'
status:
  code: 200
  message: OK
request:
  body: null
headers:
  Accept: - application/json
  Accept-Encoding: - gzip, deflate
  CommandName: - sql vm update
  Connection: - keep-alive
  ParameterSetName: - -n -g --image-sku --license-type
  User-Agent: - python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
  azure-mgmt-sqlvirtualmachine/0.5.0 Azure-SDK-For-Python AZURECLI/2.0.76
method: GET
uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-000000000000/providers/Microsoft.SqlVirtualMachine/locations/westus(operationTypes/updatesqlvirtualmachine/operationResults/8ec0ece8-97a1-42bf-a2a5-50540126cfd4?api-version=2017-03-01-preview
response:
  body:
    string: '{"name":"8ec0ece8-97a1-42bf-a2a5-50540126cfd4","status":"Succeeded","startTime":"2019-12-12T19:32:36.843Z"}'
    headers:
      cache-control: - no-cache
      content-length: - '107'
      content-type: - application/json
Open Source Used In Cisco Container Platform 6.1.015964

achines/clisqlvm000002?api-version=2017-03-01-preview
response:
body:
headers:
    cache-control: - no-cache
    content-length: '734'
    content-type: application/json; charset=utf-8
    date: Thu, 12 Dec 2019 19:32:53 GMT
    expires: - '-1'
    pragma: - no-cache
    server: - Microsoft-HTTPAPI/2.0
    strict-transport-security: - max-age=31536000; includeSubDomains
    transfer-encoding: - chunked
    vary: - Accept-Encoding
    x-content-type-options: - nosniff
    status: code: 200
    message: OK
- request:
  body: b"b"{"location": "westus", "tags": {}, "properties": {"virtualMachineResourceId": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/sqlvm_cli_test_license000001/providers/Microsoft.Compute/virtualMachines/clisqlvm000002", "sqlImageOffer": "SQL2017-WS2016", "sqlServerLicenseType": "DR", "sqlManagement": "LightWeight", "sqlImageSku": "Enterprise" }}"'}
headers:
    Accept: application/json
    Accept-Encoding:
    - gzip, deflate
Open Source Used In Cisco Container Platform 6.1.015965

CommandName:
- sql vm update
Connection:
- keep-alive
Content-Length:
- '410'
Content-Type:
- application/json; charset=utf-8
ParameterSetName:
- -n -g --license-type
User-Agent:
- python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
  azure-mgmt-sqlvirtualmachine/0.5.0 Azure-SDK-For-Python AZURECLI/2.0.76
accept-language:
- en-US
method: PUT
uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/sqlvm_cli_test_license000001/providers/Microsoft.SqlVirtualMachine/sqlVirtualMachines/clisqlvm000002/api-version=2017-03-01-preview
response:
body:
  string: '{ "properties":{ "virtualMachineResourceId":/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/sqlvm_cli_test_license000001/providers/Microsoft.Compute/virtualMachines/clisqlvm000002", "provisioningState": "Updating", "sqlServerLicenseType": "DR", "sqlManagement": "LightWeight", "sqlImageSku": "Enterprise" }, "location": "westus", "tags": {}, "id": /subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/sqlvm_cli_test_license000001/providers/Microsoft.SqlVirtualMachine/sqlVirtualMachines/clisqlvm000002", "name": "clisqlvm000002", "type": "Microsoft.SqlVirtualMachine/sqlVirtualMachines" }'
headers:
  azure-asyncoperation:
- https://management.azure.com/subscriptions/00000000-0000-0000-0000-000000000000/providers/Microsoft.SqlVirtualMachine/locations/westus/operationTypes/updatesqlvirtualmachine/operationResults/0af398a8-d894-4ef1-9caf-6d3b94520a0b?api-version=2017-03-01-preview
  cache-control:
- no-cache
  content-length:
- '698'
  content-type:
- application/json; charset=utf-8
date:
- Thu, 12 Dec 2019 19:32:56 GMT
expires:
- '-1'
pragma:
- no-cache
server:
- Microsoft-HTTPAPI/2.0
strict-transport-security:
- max-age=31536000; includeSubDomains
server:
- Microsoft-HTTPAPI/2.0
strict-transport-security:
- max-age=31536000; includeSubDomains
transfer-encoding:
- chunked
vary:
- Accept-Encoding
x-content-type-options:
- nosniff
status:
  code: 200
  message: OK
request:
  body: null
  headers:
    Accept:
    - application/json
    Accept-Encoding:
    - gzip, deflate
    CommandName:
    - sql vm update
    Connection:
    - keep-alive
    ParameterSetName:
    - -n -g --license-type
    User-Agent:
    - python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
    azure-mgmt-sqlvirtualmachine/0.5.0 Azure-SDK-For-Python AZURECLI/2.0.76
  method: GET
response:
  body:
  string: '{"properties":{"virtualMachineResourceId":"/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/sqlvm_cli_test_license000001/providers/Microsoft.Compute/virtualMachines/clisqlvm000002","provisioningState":"Succeeded","sqlImageOffer":"SQL2017-WS2016","sqlServerLicenseType":"DR","sqlManagement":"LightWeight","sqlImageSku":"Enterprise"},"location": "westus","tags":{},"id":/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/sqlvm_cli_test_license000001/providers/Microsoft.SqlVirtualMachine/sqlVirtualMachines/clisqlvm000002","name": "clisqlvm000002","type": "Microsoft.SqlVirtualMachine/sqlVirtualMachines"}'
  headers:
    cache-control:
    - no-cache
    content-length:
    - '732'
    content-type:
Open Source Used In Cisco Container Platform 6.1.015970

response:
  body:
    string: '{"name":"036411c5-d293-4897-93f7-cb7e72120884","status":"InProgress","startTime":"2019-12-12T19:33:12.343Z"}'}

headers:
  cache-control:
  - no-cache
  content-length:
  - '108'
  content-type:
  - application/json; charset=utf-8
  date:
  - Thu, 12 Dec 2019 19:33:28 GMT
  expires:
  - '-1'
  pragma:
  - no-cache
  server:
  - Microsoft-HTTPAPI/2.0
  strict-transport-security:
  - max-age=31536000; includeSubDomains
  transfer-encoding:
  - chunked
  vary:
  - Accept-Encoding
  x-content-type-options:
  - nosniff
  status:
    code: 200
    message: OK

- request:
  body: null
  headers:
    Accept:
    - application/json
    Accept-Encoding:
    - gzip, deflate
    CommandName:
    - sql vm delete
    Connection:
    - keep-alive
    ParameterSetName:
    - -n -g --yes
    User-Agent:
    - python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
    azure-mgmt-sqlvirtualmachine/0.5.0 Azure-SDK-For-Python AZURECLI/2.0.76
  method: GET
azure-mgmt-sqlvirtualmachine/0.5.0 Azure-SDK-For-Python AZURECLI/2.0.76
method: GET
uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-000000000000/providers/Microsoft.SqlVirtualMachine/locations/westus/operationTypes/deletesqlvirtualmachine/operationResults/036411c5-d293-4897-93f7-cb7e72120884?api-version=2017-03-01-preview
response:
  body:
    string: '{"name":"036411c5-d293-4897-93f7-cb7e72120884","status":"InProgress","startTime":"2019-12-12T19:33:12.343Z"}
  headers:
    cache-control:
    - no-cache
    content-length:
    - '108'
    content-type:
    - application/json; charset=utf-8
    date:
    - Thu, 12 Dec 2019 19:33:58 GMT
    expires:
    - '-1'
    pragma:
    - no-cache
    server:
    - Microsoft-HTTPAPI/2.0
    strict-transport-security:
    - max-age=31536000; includeSubDomains
    transfer-encoding:
    - chunked
    vary:
    - Accept-Encoding
    x-content-type-options:
    - nosniff
    status:
    code: 200
    message: OK
  - request:
    body: null
    headers:
      Accept:
      - application/json
      Accept-Encoding:
      - gzip, deflate
      CommandName:
      - sql vm delete
      Connection:
      - keep-alive
      ParameterSetName:
      - -n -g --yes
User-Agent:
- python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
  azure-mgmt-sqlvirtualmachine/0.5.0 Azure-SDK-For-Python AZURECLI/2.0.76
method: GET
uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-
  000000000000/providers/Microsoft.SqlVirtualMachine/locations/westus/operationTypes/deletesqlvirtualmachine/op-
  erationResults/036411c5-d293-4897-93f7-cb7e72120884?api-version=2017-03-01-preview
response:
  body:
    string: '{"name":"036411c5-d293-4897-93f7-cb7e72120884","status":"InProgress","startTime":"2019-12-
      12T19:33:12.343Z"}
  headers:
    cache-control:
    - no-cache
    content-length:
      - '108'
    content-type:
    - application/json; charset=utf-8
date:
  - Thu, 12 Dec 2019 19:34:13 GMT
expires:
  - '-1'
pragma:
  - no-cache
server:
  - Microsoft-HTTPAPI/2.0
strict-transport-security:
  - max-age=31536000; includeSubDomains
transfer-encoding:
  - chunked
vary:
  - Accept-Encoding
x-content-type-options:
  - nosniff
status:
  code: 200
  message: OK
- request:
  body: null
  headers:
    Accept:
    - application/json
    Accept-Encoding:
    - gzip, deflate
    CommandName:
    - sql vm delete
    Connection:
    - keep-alive
ParameterSetName:
  - -n -g --yes
User-Agent:
  - python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
    azure-mgmt-sqlvirtualmachine/0.5.0 Azure-SDK-For-Python AZURECLI/2.0.76
method: GET
uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-
000000000000/providers/Microsoft.SqlVirtualMachine/locations/westus/operationTypes/deletesqlvirtualmachine/op
erationResults/036411c5-d293-4897-93f7-cb7e72120884?api-version=2017-03-01-preview
response:
  body:
    string: '{"name":"036411c5-d293-4897-93f7-cb7e72120884","status":"Succeeded","startTime":"2019-12-
12T19:33:12.343Z"}'}
headers:
  cache-control:
  - no-cache
  content-length:
  - '107'
  content-type:
  - application/json; charset=utf-8
date:
  - Thu, 12 Dec 2019 19:34:28 GMT
expires:
  - '-1'
pragma:
  - no-cache
server:
  - Microsoft-HTTPAPI/2.0
strict-transport-security:
  - max-age=31536000; includeSubDomains
transfer-encoding:
  - chunked
vary:
  - Accept-Encoding
x-content-type-options:
  - nosniff
status:
  code: 200
message: OK
request:
  body: b"b"{"location": "westus", "tags": {}, "properties": {"virtualMachineResourceId": "/subscriptions/00000000-0000-0000-0000-
000000000000/resourceGroups/sqlvm_cli_test_license000001/providers/Microsoft.Compute/virtualMachines/clisql
vm000002", "sqlServerLicenseType": "DR", "sqlManagement": "LightWeight", "autoPatchingSettings": 
{}}, "autoBackupSettings": {}, "keyVaultCredentialSettings": {}, "serverConfigurationsManagementSettings": 
{"sqlConnectivityUpdateSettings": {}, "sqlWorkloadTypeUpdateSettings": {}}, "additionalFeaturesServerConfigurations": 
"services/mimes/default:400"}
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interactions:
- request:
  body: null
  headers:
    Accept:
      - application/json
    Accept-Encoding:
      - gzip, deflate
    CommandName:
Connection:
- keep-alive
User-Agent:
- python-requests/2.22.0
method: GET
response:
body:

```
"contentVersion": "1.0.0.0",
"parameters": {},
"variables": {},
"resources": [],
"outputs": {
  "aliases": {
    "type": "object",
    "value": {
      "Linux": {
        "CentOS": {
          "publisher": "OpenLogic",
          "offer": "CentOS",
          "sku": "7.5",
          "version": "latest"
        },
        "CoreOS": {
          "publisher": "CoreOS",
          "offer": "CoreOS",
          "sku": "Stable",
          "version": "latest"
        },
        "Debian": {
          "publisher": "Debian",
          "offer": "debian-10",
          "sku": "10",
          "version": "latest"
        },
        "openSUSE-Leap": {
          "publisher": "SUSE",
          "offer": "openSUSE-Leap",
          "sku": "42.3",
          "version": "latest"
        },
        "RHEL": {
          "publisher": "RedHat",
          "offer": "RHEL",
          "sku": "7-LVM",
          "version": "latest"
        },
        "SLES": {
          "publisher": "SUSE",
          "offer": "SLES",
          "sku": "15",
          "version": "latest"
        },
        "UbuntuLTS": {
          "publisher": "Canonical",
          "offer": "UbuntuServer",
          "sku": "18.04-LTS",
          "version": "latest"
        },
        "Windows": {
          "publisher": "MicrosoftWindowsServer",
          "offer": "WindowsServer",
          "sku": "2019-Datacenter",
          "version": "latest"
        },
        "Win2019Datacenter": {
          "publisher": "MicrosoftWindowsServer",
          "offer": "WindowsServer",
          "sku": "2019-Datacenter",
          "version": "latest"
        },
        "Win2016Datacenter": {
          "publisher": "MicrosoftWindowsServer",
          "offer": "WindowsServer",
          "sku": "2016-Datacenter",
          "version": "latest"
        },
        "Win2012R2Datacenter": {
          "publisher": "MicrosoftWindowsServer",
          "offer": "WindowsServer",
          "sku": "2012-R2-Datacenter",
          "version": "latest"
        },
        "Win2012Datacenter": {
          "publisher": "MicrosoftWindowsServer",
          "offer": "WindowsServer",
          "sku": "2012-Datacenter",
          "version": "latest"
        },
        "Win2008R2SP1": {
          "publisher": "MicrosoftWindowsServer",
          "offer": "WindowsServer",
          "sku": "2008-R2-SP1",
          "version": "latest"
        }
      }
    }
  }
}
```
```
headers:
accept-ranges:
- bytes
access-control-allow-origin:
```
- request:
  body: null
  headers:
    Accept:
    - application/json
    Accept-Encoding:
    - gzip, deflate
    CommandName:
    - vm create
    Connection:
    - keep-alive
    ParameterSetName:
    - -g -n --image --admin-username --admin-password --license-type
    User-Agent:
    - python/3.7.4 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
    azure-mgmt-network/7.0.0 Azure-SDK-For-Python AZURECLI/2.0.75
    accept-language:
    - en-US
  method: GET
response:
  body:
    string: '[]'
  headers:
    cache-control:
    - no-cache
    content-length:
    - '12'
    content-type:
    - application/json; charset=utf-8
    date:
    - Fri, 01 Nov 2019 07:51:21 GMT
    expires:
    - '-1'
    pragma:
    - no-cache
    strict-transport-security:
    - max-age=31536000; includeSubDomains
    vary:
    - Accept-Encoding
    x-content-type-options:
    - nosniff
    status:
    code: 200
    message: OK
  - request:
cache-control: 
- no-cache 
content-length: 
- '20' 
content-type: 
- application/json; charset=utf-8 
date: 
- Fri, 01 Nov 2019 07:52:58 GMT 
extpires: 
- '-1' 
pragma: 
- no-cache 
strict-transport-security: 
- max-age=31536000; includeSubDomains 
vary: 
- Accept-Encoding 
x-content-type-options: 
- nosniff 
status: 
  code: 200 
  message: OK 
request: 
  body: null 
  headers: 
    Accept: 
    - application/json 
    Accept-Encoding: 
    - gzip, deflate 
    CommandName: 
    - vm create 
    Connection: 
    - keep-alive 
    ParameterSetName: 
    - -g -n --image --admin-username --admin-password --license-type 
    User-Agent: 
    - python/3.7.4 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2 
      azure-mgmt-resource/4.0.0 Azure-SDK-For-Python AZURECLI/2.0.75 
    method: GET 
    uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000- 
      000000000000/resourcegroups/cli_test_windows_license_type000001/providers/Microsoft.Resources/deployments/ 
      mock-deployment/operationStatuses/08586290122024512922?api-version=2019-07-01 
response: 
  body: 
    string: '["status":"Running"]' 
  headers: 
    cache-control: 
    - no-cache 
    content-length:
- '1'
pragma:
- no-cache
strict-transport-security:
- max-age=31536000; includeSubDomains
vary:
- Accept-Encoding
x-content-type-options:
- nosniff
status:
code: 200
message: OK
- request:
  body: null
  headers:
    Accept:
    - application/json
    Accept-Encoding:
    - gzip, deflate
    CommandName:
    - vm create
    Connection:
    - keep-alive
    ParameterSetName:
    - g -n --image --admin-username --admin-password --license-type
    User-Agent:
    - python/3.7.4 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
      azure-mgmt-resource/4.0.0 Azure-SDK-For-Python AZURECLI/2.0.75
    method: GET
response:
  body:
    string: '{"status":"Running"}'
  headers:
    cache-control:
    - no-cache
    content-length:
    - '20'
    content-type:
    - application/json; charset=utf-8
date:
- Fri, 01 Nov 2019 07:55:00 GMT
expires:
- '-1'
pragma:
- no-cache
strict-transport-security:
- max-age=31536000; includeSubDomains
vary:
- Accept-Encoding
x-content-type-options:
- nosniff
status:
  code: 200
  message: OK
- request:
  body: null
  headers:
    Accept:
    - application/json
    Accept-Encoding:
    - gzip, deflate
    CommandName:
    - vm create
    Connection:
    - keep-alive
    ParameterSetName:
    - -g -n --image --admin-username --admin-password --license-type
    User-Agent:
    - python/3.7.4 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
      azure-mgmt-resource/4.0.0 Azure-SDK-For-Python AZURECLI/2.0.75
    method: GET
    response:
      body:
        string: '{"status":"Succeeded"}'
      headers:
        cache-control:
        - no-cache
        content-length:
        - '22'
        content-type:
        - application/json; charset=utf-8
date:
- Fri, 01 Nov 2019 07:55:30 GMT
expires:
- '-1'
pragma:
- no-cache
strict-transport-security:
- max-age=31536000; includeSubDomains
vary:
'VM status blob is found but not yet populated."
            "time": "2019-11-01T07:55:32+00:00"
          },
        
      },
      "disks": [
        {
          "name": "winvm_OsDisk_1_fd71da0e00ae4511be33abf7136962be",
          "statuses": [
            {
              "code": "ProvisioningState/succeeded",
              "level": "Info",
              "displayStatus": "Provisioning succeeded",
              "time": "2019-11-01T07:53:32.9073035+00:00"
            }
          ]
        }
      ],
      "hyperVGeneration": "V1",
      "statuses": [
        {
          "code": "ProvisioningState/succeeded",
          "level": "Info",
          "displayStatus": "Provisioning succeeded",
          "time": "2019-11-01T07:55:02.6889239+00:00"
        },
        {
          "code": "PowerState/running",
          "level": "Info",
          "displayStatus": "VM running"
        }
      ]
    }
  }
}
- gzip, deflate
CommandName:
- vm create
Connection:
- keep-alive
ParameterSetName:
- -g -n --image --admin-username --admin-password --license-type
User-Agent:
- python/3.7.4 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
azure-mgmt-network/7.0.0 Azure-SDK-For-Python AZURECLI/2.0.75
accept-language:
- en-US
method: GET
uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/networkInterfa
ces/winvmVMNic?api-version=2018-01-01
response:
body:
string: "{\r\n \"name\": \"winvmVMNic\",\r\n \"id\": \"/subscriptions/00000000-0000-0000-0000000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/networkInterfa
ces/winvmVMNic\",\r\n
\ \"etag\": \"W/\\\"f2496367-3108-4dce-878c-97a19c0e06c3\\\"\",\r\n \"location\":
\"westus\",\r\n \"tags\": {},\r\n \"properties\": {\r\n \"provisioningState\":
\"Succeeded\",\r\n \"resourceGuid\": \"7b254284-edfc-477f-a3e2-fe9052325ca8\",\r\n
\ \"ipConfigurations\": [\r\n
{\r\n
\"name\": \"ipconfigwinvm\",\r\n
\
\"id\": \"/subscriptions/00000000-0000-0000-0000000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/networkInterfa
ces/winvmVMNic/ipConfigurations/ipconfigwinvm\",\r\n
\
\"etag\": \"W/\\\"f2496367-3108-4dce-878c-97a19c0e06c3\\\"\",\r\n
\
\"type\": \"Microsoft.Network/networkInterfaces/ipConfigurations\",\r\n
\
\"properties\": {\r\n
\"provisioningState\": \"Succeeded\",\r\n
\
\"privateIPAddress\": \"10.0.0.4\",\r\n
\"privateIPAllocationMethod\":
\"Dynamic\",\r\n
\"publicIPAddress\": {\r\n
\"id\": \"/subscriptions/00000000-0000-0000-0000000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/publicIPAddre
sses/winvmPublicIP\"\r\n
\
},\r\n
\"subnet\": {\r\n
\"id\": \"/subscriptions/00000000-0000-0000-0000000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/virtualNetwork
s/winvmVNET/subnets/winvmSubnet\"\r\n
\
},\r\n
\"primary\": true,\r\n
\"privateIPAddressVersion\":
\"IPv4\"\r\n
}\r\n
}\r\n ],\r\n \"dnsSettings\": {\r\n
\"dnsServers\":
[],\r\n
\"appliedDnsServers\": [],\r\n
\"internalDomainNameSuffix\":
\"phxqrorpahdejl10fwrw4cy4vd.dx.internal.cloudapp.net\"\r\n },\r\n \"macAddress\":
\"00-0D-3A-31-DC-EF\",\r\n \"enableAcceleratedNetworking\": false,\r\n
\ \"enableIPForwarding\": false,\r\n \"networkSecurityGroup\": {\r\n
\ \"id\": \"/subscriptions/00000000-0000-0000-0000000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/networkSecurit
yGroups/winvmNSG\"\r\n
\ },\r\n \"primary\": true,\r\n \"virtualMachine\": {\r\n
\"id\":

Open Source Used In Cisco Container Platform 6.1.016008


Open Source Used In Cisco Container Platform 6.1.0.16011
application/json; charset=utf-8

Fri, 01 Nov 2019 07:55:35 GMT

-1

Application/json

Microsoft-HTTPAPI/2.0

Microsoft-HTTPAPI/2.0

Microsoft-HTTPAPI/2.0

max-age=31536000; includeSubDomains

chunked

- Accept-Encoding

x-content-type-options:

- nosniff

- Accept-Encoding

x-content-type-options:

["location": "westus", "tags": {}, "properties": {"hardwareProfile":
{"vmSize": "Standard_DS1_v2"}, "storageProfile": {"imageReference": {"publisher":
"MicrosoftWindowsServer", "offer": "WindowsServer", "sku": "2012-R2-Datacenter",
"version": "latest"}, "osDisk": {"osType": "Windows", "name":
"winvm_OsDisk_1_fd71da0e00ae4511be33abf7136962be"},
"caching": "ReadWrite", "createOption": "FromImage", "diskSizeGB": 127, "managedDisk":
{"id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Compute/disks/winvm_OsDisk_1_fd71da0e00ae4511be33abf7136962be",
"storageAccountType": "Premium_LRS"}}, "dataDisks": []}, "osProfile": {"computerName":
"winvm", "adminUsername": "clitest1234", "windowsConfiguration": {"provisionVMAgent":
true, "enableAutomaticUpdates": true }, "secrets": [], "allowExtensionOperations":
true, "requireGuest ProvisionSignal": true }, "networkProfile": {"networkInterfaces":
[{"id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/networkInterfaces/winVMNic"}],
"licenseType": "None"]}]

Application/json

Accept:

gzip, deflate

CommandName:

vm update
User-Agent:
- python/3.7.4 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
  azure-mgmt-compute/9.0.0 Azure-SDK-For-Python AZURECLI/2.0.75
method: GET
response:
  body:
    string: "{"\n      "startTime": "2019-11-01T07:55:37.9234633+00:00","\n      "endTime": "2019-11-01T07:55:44.1110157+00:00","\n      "status": "Succeeded","\n      "name": "4c8d44af-9011-45c1-bfc1-eeea25dba5c6a\n}\n""
  headers:
    cache-control:
      - no-cache
    content-length:
      - '184'
    content-type:
      - application/json; charset=utf-8
date:
  - Fri, 01 Nov 2019 07:56:09 GMT
expires:
  - '-1'
pragma:
  - no-cache
server:
  - Microsoft-HTTPAPI/2.0
  - Microsoft-HTTPAPI/2.0
strict-transport-security:
  - max-age=31536000; includeSubDomains
transfer-encoding:
  - chunked
vary:
  - Accept-Encoding
x-content-type-options:
  - nosniff
x-ms-ratelimit-remaining-resource:
  - Microsoft.Compute/GetOperation3Min;14969,Microsoft.Compute/GetOperation30Min;29959
status:
  code: 200
message: OK
- request:
  body: null
  headers:
    Accept:
      - application/json
    Accept-Encoding:
      - gzip, deflate
CommandName:  
- vm update  
Connection:  
- keep-alive  
ParameterSetName:  
- -g -n --license-type  
User-Agent:  
- python/3.7.4 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2  
  azure-mgmt-compute/9.0.0 Azure-SDK-For-Python AZURECLI/2.0.75  
method: GET  
response:  
  body:  
  string: "{  
    "name": "winvm",
    "id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Compute/virtualMachines/winvm",
    "type": "Microsoft.Compute/virtualMachines",
    "location": "westus",
    "tags": {},
    "properties": {
      "vmId": "721c529f-d78e-4b91-88bc-c3717d3164d5",
      "hardwareProfile": {
        "vmSize": "Standard_DS1_v2"
      },
      "storageProfile": {
        "imageReference": {
          "publisher": "MicrosoftWindowsServer",
          "offer": "WindowsServer",
          "sku": "2012-R2-Datacenter",
          "version": "latest",
          "exactVersion": "9600.19505.1910081803",
          "osDisk": {
            "osType": "Windows",
            "name": "winvm_OsDisk_1_fd71da0e00ae4511be33abf7136962be",
            "createOption": "FromImage",
            "caching": "ReadWrite",
            "managedDisk": {
              "storageAccountType": "Premium_LRS",
              "id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Compute/disks/winvm_OsDisk_1_fd71da0e00ae4511be33abf7136962be"
            },
            "diskSizeGB": 127
          }
        },
        "dataDisks": [],
        "licenseType": "None",
        "provisioningState": "Succeeded"
      },
      "osProfile": {
        "computerName": "winvm",
        "adminUsername": "clitest1234",
        "windowsConfiguration": {
          "provisionVMAgent": true,
          "enableAutomaticUpdates": true,
          "allowExtensionOperations": true,
          "requireGuestProvisionSignal": true
        },
        "networkProfile": {
          "networkInterfaces": [{"id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/networkInterfaces/winvmVMNic1"}]
        }
      }
    }
  }
  headers:  
  cache-control:  
  - no-cache  
  content-length:  
  - 1957  
  content-type:
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interactions:
- request:
  body: '{"tags": {"date": "2019-02-26T03:17:39Z", "product": "azurecli", "cause": "automation"}, "location": "westus"}'
  headers:
    Accept: [application/json]
    Accept-Encoding: ['gzip, deflate']
    CommandName: [group create]
    Connection: [keep-alive]
    Content-Length: ['110']
    Content-Type: [application/json; charset=utf-8]
    ParameterSetName: [--location --name --tag]
    User-Agent: [python/3.5.2 (Windows-10-10.0.17763-SP0) msrest/0.6.2 msrest_azure/0.4.34 resourcemanagementclient/2.1.0 Azure-SDK-For-Python AZURECLI/2.0.58]
    accept-language: [en-US]
  method: PUT
response:
  body: {string: '{"id":/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001","name":cli_test_windows_license_type000001","location":"westus","tags":{"date":"2019-02-26T03:17:39Z","product":"azurecli","cause":"automation"},"properties":{"provisioningState":"Succeeded"}}'}
  headers:
    cache-control: [no-cache]
templates/aliases.json

response:

  , "contentVersion": "1.0.0.0", "parameters": {}, "variables": {} , "resources": [], "outputs": {
    "aliases": {
      "type": "object",
      "value": {
        "Linux": {
          "CentOS": {
            "publisher": "OpenLogic",
            "offer": "CentOS",
            "sku": "7.5",
            "version": "latest"
          },
          "CoreOS": {
            "publisher": "CoreOS",
            "offer": "CoreOS",
            "sku": "Stable",
            "version": "latest"
          },
          "Debian": {
            "publisher": "credativ",
            "offer": "Debian",
            "sku": "9",
            "version": "latest"
          },
        },
        "Windows": {
          "Win2019Datacenter": {
            "publisher": "MicrosoftWindowsServer",
            "offer": "WindowsServer",
            "sku": "2019-Datacenter",
            "version": "latest"
          },
          "Win2016Datacenter": {
            "publisher": "MicrosoftWindowsServer",
            "offer": "WindowsServer",
            "sku": "2016-Datacenter",
            "version": "latest"
          },
          "Win2012R2Datacenter": {
            "publisher": "MicrosoftWindowsServer",
            "offer": "WindowsServer",
            "sku": "2012-R2-Datacenter",
            "version": "latest"
          },
          "Win2012Datacenter": {
            "publisher": "MicrosoftWindowsServer",
            "offer": "WindowsServer",
            "sku": "2012-Datacenter",
            "version": "latest"
          },
          "Win2008R2SP1": {
            "publisher": "MicrosoftWindowsServer",
            "offer": "WindowsServer",
            "sku": "2008-R2-SP1",
            "version": "latest"
          }
        }
      }
    }
  }
`
method: GET
response:
  body: '{"status":"Running"}
  headers:
    cache-control: [no-cache]
    content-length: ['20']
    content-type: [application/json; charset=utf-8]
    date: ['Tue, 26 Feb 2019 03:19:46 GMT']
    expires: ['-1']
    pragma: [no-cache]
    strict-transport-security: [max-age=31536000; includeSubDomains]
    vary: [Accept-Encoding]
    x-content-type-options: [nosniff]
    status: {code: 200, message: OK}
- request:
  body: null
  headers:
    Accept: [application/json]
    Accept-Encoding: ['gzip, deflate']
    CommandName: [vm create]
    Connection: [keep-alive]
    ParameterSetName: [-g -n --image --admin-username --admin-password --license-type]
    User-Agent: [python/3.5.2 (Windows-10-10.0.17763-SP0) msrest/0.6.2 msrest_azure/0.4.34
      resourcemanagementclient/2.1.0 Azure-SDK-For-Python AZURECLI/2.0.58]
method: GET
response:
  body: '{"status":"Running"}
  headers:
    cache-control: [no-cache]
    content-length: ['20']
    content-type: [application/json; charset=utf-8]
    date: ['Tue, 26 Feb 2019 03:20:16 GMT']
    expires: ['-1']
    pragma: [no-cache]
    strict-transport-security: [max-age=31536000; includeSubDomains]
    vary: [Accept-Encoding]
    x-content-type-options: [nosniff]
    status: {code: 200, message: OK}
- request:
  body: null
  headers:
    Accept: [application/json]
 User-Agent: [python/3.5.2 (Windows-10-10.0.17763-SP0) msrest/0.6.2 msrest_azure/0.4.34 computemanagementclient/4.4.0 Azure-SDK-For-Python AZURECLI/2.0.58]
accept-language: [en-US]
method: GET
uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Compute/virtualMachines/winvm?$expand=instanceView&api-version=2017-12-01
response:
body: |
   {"properties": {"vmId": "11313825-2d92-4811-ae5b-43bce0c2ba97"},
    "hardwareProfile": {"vmSize": "Standard_DS1_v2"},
    "storageProfile": {"imageReference": {"publisher": "MicrosoftWindowsServer", "offer": "WindowsServer", "sku": "2012-R2-Datacenter", "version": "latest"},
                     "osDisk": {"osType": "Windows", "name": "winvm_OsDisk_1_fefa7c069060456b9e317142169ddeff"},
                     "createOption": "FromImage", "caching": "ReadWrite", "managedDisk": {
                         "storageAccountType": "Premium_LRS","id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Compute/disks/winvm_OsDisk_1_fefa7c069060456b9e317142169ddeff"}}
    ,"networkProfile": {"networkInterfaces": [{"id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/networkInterfaces/winvmVMNic"}}},
    "licenseType": "Windows_Server", "provisioningState": "Succeeded", "instanceView": {"vmAgent": {"vmAgentVersion": "Unknown", "statuses": [{"code": "ProvisioningState/Unavailable", "level": "Warning", "displayStatus": "Not Ready", "message": "VM status blob is found but not yet populated."}], "disks": [{"name": "winvm_OsDisk_1_fefa7c069060456b9e317142169ddeff"}, "statuses": []]}},
    "PowerState/running"}
}
,\r\n
\"privateIPAddress\": \"10.0.0.4\",\r\n
\"privateIPAllocationMethod\"\
: \"Dynamic\",\r\n
\"publicIPAddress\": {\r\n
\"id\":\
\ \"/subscriptions/00000000-0000-0000-0000000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/publicIPAddre
sses/winvmPublicIP\"\
\r\n
},\r\n
\"subnet\": {\r\n
\"id\": \"/subscriptions/00000000-0000-0000-0000000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/virtualNetwork
s/winvmVNET/subnets/winvmSubnet\"\
\r\n
},\r\n
\"primary\": true,\r\n
\"privateIPAddressVersion\"\
: \"IPv4\"\r\n
}\r\n
}\r\n ],\r\n \"dnsSettings\": {\r\n\
\
\"dnsServers\": [],\r\n
\"appliedDnsServers\": [],\r\n
\"\
internalDomainNameSuffix\": \"ds3ghzf02osetna4xmufhngpmh.dx.internal.cloudapp.net\"\
\r\n },\r\n \"macAddress\": \"00-0D-3A-36-55-4B\",\r\n \"enableAcceleratedNetworking\"\
: false,\r\n \"enableIPForwarding\": false,\r\n \"networkSecurityGroup\"\
: {\r\n
\"id\": \"/subscriptions/00000000-0000-0000-0000000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/networkSecurit
yGroups/winvmNSG\"\
\r\n },\r\n \"primary\": true,\r\n \"virtualMachine\": {\r\n \
\ \"id\": \"/subscriptions/00000000-0000-0000-0000000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Compute/virtualMachin
es/winvm\"\
\r\n }\r\n },\r\n \"type\": \"Microsoft.Network/networkInterfaces\"\r\
\n}"}
headers:
cache-control: [no-cache]
content-length: ['2588']
content-type: [application/json; charset=utf-8]
date: ['Tue, 26 Feb 2019 03:20:48 GMT']
etag: [W/"aace3af7-c782-4f67-aff5-58d640671736"]
expires: ['-1']
pragma: [no-cache]
server: [Microsoft-HTTPAPI/2.0, Microsoft-HTTPAPI/2.0]
strict-transport-security: [max-age=31536000; includeSubDomains]
transfer-encoding: [chunked]
vary: [Accept-Encoding]
x-content-type-options: [nosniff]
status: {code: 200, message: OK}
- request:
body: null
headers:
Accept: [application/json]
Accept-Encoding: ['gzip, deflate']
CommandName: [vm create]
Connection: [keep-alive]
ParameterSetName: [-g -n --image --admin-username --admin-password --license-type]
User-Agent: [python/3.5.2 (Windows-10-10.0.17763-SP0) msrest/0.6.2 msrest_azure/0.4.34
networkmanagementclient/2.4.0 Azure-SDK-For-Python AZURECLI/2.0.58]
accept-language: [en-US]

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method: GET
response:
  body: |
    {  
      "name": "winvmPublicIP",  
      "id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/publicIPAddresses/winvmPublicIP"  
    }
  headers: |
    cache-control: [no-cache]
    content-length: [1031]
    content-type: [application/json; charset=utf-8]
    date: [Tue, 26 Feb 2019 03:20:48 GMT]
    etag: [W/"c1866c09-7047-4782-9b90-77b784dde997"]
    expires: [-1]
    pragma: [no-cache]
    server: [Microsoft-HTTPAPI/2.0, Microsoft-HTTPAPI/2.0]
    strict-transport-security: [max-age=31536000; includeSubDomains]
    transfer-encoding: [chunked]
    vary: [Accept-Encoding]
    x-content-type-options: [nosniff]
    status: [code: 200, message: OK]
- request:
  body: null
  headers: |
    Accept: [application/json]
    Accept-Encoding: [gzip, deflate]
    CommandName: [vm show]
    Connection: [keep-alive]
    ParameterSetName: [-g -n]
    User-Agent: [python/3.5.2 (Windows-10-10.0.17763-SP0) msrest/0.6.2 msrest_azure/0.4.34 computemanagementclient/4.4.0 Azure-SDK-For-Python AZURECLI/2.0.58]
    accept-language: [en-US]
  method: GET
  uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Compute/virtualMachines/winvm

response:

body: {string: "{"name": "winvm", "properties": {"vmId": "11313825-2d92-4811-ae5b-43bcc0c2ba97", 
  "hardwareProfile": {"vmSize": "Standard_DS1_v2"}, 
  "storageProfile": {"imageReference": {"publisher": "MicrosoftWindowsServer", "offer": "WindowsServer", "sku": "2012-R2-Datacenter", "version": "latest"}, 
    "osDisk": {"name": "winvm_OsDisk_1_fefa7c069060456b9e317142169ddeff", 
      "createOption": "FromImage", 
      "managedDisk": {"storageAccountType": "Premium_LRS"}, 
      "diskSizeGB": 127}, 
    "osProfile": {"computerName": "winvm", 
      "adminUsername": "clitest1234", 
      "windowsConfiguration": {"provisionVMAgent": true, "enableAutomaticUpdates": true}, 
      "networkProfile": {"networkInterfaces": [{"id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Compute/networkInterfaces/winvmVMNic"}]
    }, 
    "licenseType": "Windows_Server", 
    "provisioningState": "Succeeded"}}
"}
CommandName: [vm update]
Connection: [keep-alive]
ParameterSetName: [-g -n --license-type]
User-Agent: [python/3.5.2 (Windows-10-10.0.17763-SP0) msrest/0.6.2 msrest_azure/0.4.34
computemanagementclient/4.4.0 Azure-SDK-For-Python AZURECLI/2.0.58]
accept-language: [en-US]
method: GET
uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Compute/virtualMachines/winvm/api-version=2017-12-01
response:
body: {string: "{"properties": {"vmId": "11313825-2d92-4811-ae5b-43bcc0c2ba97", "hardwareProfile": {"vmSize": "Standard_DS1_v2"}, "storageProfile": {"imageReference": {"publisher": "MicrosoftWindowsServer", "offer": "WindowsServer", "sku": "2012-R2-Datacenter", "version": "latest"}, "osDisk": {"osType": "Windows", "name": "winvm_OsDisk_1_fefa7c069060456b9e317142169ddeff"}, "managedDisk": {"storageAccountType": "Premium_LRS"}}, "osProfile": {"computerName": "winvm", "adminUsername": "clitest1234", "windowsConfiguration": {"provisionVMAgent": true, "enableAutomaticUpdates": true}, "secrets": []}, "networkProfile": {"networkInterfaces": [{"id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/networkInterfaces/winvmVMNic"}], "licenseType": "Windows_Server", "provisioningState": "Succeeded"}}, "type": "Microsoft.Compute/virtualMachines", "location": "westus", "tags": {}, "id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Compute/virtualMachines/winvm"}
headers:
cache-control: [no-cache]
content-length: [1832]
content-type: [application/json; charset=utf-8]
date: ["Tue, 26 Feb 2019 03:20:49 GMT"]
expires: [-1]
pragma: [no-cache]
server: [Microsoft-HTTPAPI/2.0, Microsoft-HTTPAPI/2.0]
strict-transport-security: [max-age=31536000; includeSubDomains]
transfer-encoding: [chunked]
vary: [Accept-Encoding]
cache-control: [no-cache]
content-length: [384]
content-type: [application/json; charset=utf-8]
date: [Tue, 26 Feb 2019 03:21:21 GMT]
expires: ['-1']
pragma: [no-cache]
strict-transport-security: [max-age=31536000; includeSubDomains]
vary: [Accept-Encoding]
x-content-type-options: [nosniff]
status: {code: 200, message: OK}
request:
  body: null
  headers:
    Accept: ['/*/*']
    Accept-Encoding: ['gzip, deflate']
    Connection: [keep-alive]
    User-Agent: [python-requests/2.21.0]
method: GET
response:
  body: {string: "\n"$schema"":"http://schema.management.azure.com/schemas/2015-01-01/deploymentTemplate.json"\n  ,\n  "contentVersion":"1.0.0.0","parameters":{},\n  "variables":{},\n  "outputs":{},\n  "resources":[]
  ,
  "outputs":{
    "aliases":{
      "type":"object",
      "value":{
        "Linux":{
          "CentOS":{
            "publisher":"OpenLogic",
            "offer":"CentOS",
            "sku":"7.5",
            "version":"latest"
          },
          "CoreOS":{
            "publisher":"CoreOS",
            "offer":"CoreOS",
            "sku":"Stable",
            "version":"latest"
          },
          "Debian":{
            "publisher":"credativ",
            "offer":"Debian",
            "sku":"9",
            "version":"latest"
          },
          "openSUSE-Leap": {
            "publisher":"SUSE",
            "offer":"openSUSE-Leap",
            "sku":"42.3",
            "version":"latest"
          },
          "RHEL":{
            "publisher":"RedHat",
            "offer":"RHEL",
            "sku":"7-RAW",
            "version":"latest"
          },
          "SLES":{
            "publisher":"SUSE",
            "offer":"SLES",
            "sku":"15",
            "version":"latest"
          },
          "UbuntuLTS":{
            "publisher":"Canonical",
            "offer":"UbuntuServer",
            "sku":"18.04-LTS",
            "version":"latest"
          },
          "Windows":{
            "publisher":"MicrosoftWindowsServer",
            "offer":"WindowsServer",
            "sku":"2019-Datacenter",
            "version":"latest"
          }
        },
        "Windows":{
          "Win2019Datacenter":{
            "publisher":"MicrosoftWindowsServer",
            "offer":"WindowsServer",
            "sku":"2019-Datacenter",
            "version":"latest"
          },
          "Win2016Datacenter":{
            "publisher":"MicrosoftWindowsServer",
            "offer":"WindowsServer",
            "sku":"2016-Datacenter",
            "version":"latest"
          },
          "Win2012R2Datacenter":{
            "publisher":"MicrosoftWindowsServer",
            "offer":"WindowsServer",
            "sku":"2012R2-Datacenter",
            "version":null
          },
          "Win2012Datacenter":{
            "publisher":"MicrosoftWindowsServer",
            "offer":"WindowsServer",
            "sku":null,
            "version":null
          }
        }
      }\n    }\n  }\n}
headers:
accept-ranges: [bytes]
access-control-allow-origin: [*]
cache-control: [max-age=300]
connection: [keep-alive]
content-length: [2433]
content-security-policy: [default-src 'none'; style-src 'unsafe-inline'; sandbox]
content-type: [text/plain; charset=utf-8]
date: ['Tue, 26 Feb 2019 03:21:22 GMT']
etag: ['"5944d69c9dbfba42bb2d9d8c5f050bed5bcb32"']
expires: ['Tue, 26 Feb 2019 03:26:22 GMT']
source-age: [0]
strict-transport-security: [max-age=31536000]
 vary: ['Authorization, Accept-Encoding']
via: [1.1 varnish]
x-cache: [MISS]
x-cache-hits: [0]
x-content-type-options: [nosniff]
x-fastly-request-id: ['6af27868a5f3af998a146e0bec33c2d685a9fe10']
x-frame-options: [deny]
x-geo-block-list: ['']
x-github-request-id: ['C1A4:3754:18B26D:19A351:5C74B0B2']
x-served-by: [cache-sea1034-SEA]
x-timer: ['S1551151283.729820,VS0,VE3']
x-xss-protection: [1; mode=block]
status: {code: 200, message: OK}

- request:
  body: null
headers:
  Accept: [application/json]
  Accept-Encoding: ['gzip, deflate']
  CommandName: [vmss create]
  Connection: [keep-alive]
  ParameterSetName: [-g -n --image --admin-username --admin-password --license-type --instance-count]
  User-Agent: [python/3.5.2 (Windows-10-10.0.17763-SP0) msrest/0.6.2 msrest_azure/0.4.34]
- request:
  body: null
  headers:
    Accept: [application/json]
    Accept-Encoding: ['gzip, deflate']
    CommandName: [vmss show]
    Connection: [keep-alive]
    ParameterSetName: [-g -n]
    User-Agent: [python/3.5.2 (Windows-10-10.0.17763-SP0) msrest/0.6.2 msrest_azure/0.4.34
    computemanagementclient/4.4.0 Azure-SDK-For-Python AZURECLI/2.0.58]
    accept-language: [en-US]
  method: GET

response:
  body: {string: "{\n  "sku": {\n    "name": "Standard_DS1_v2",\n    "tier": "Standard",\n    "capacity": 1
  },\n  "properties": {\n    "singlePlacementGroup": true,\n    "upgradePolicy": {\n      "mode": "Manual",\n      "automaticOSUpgrade": false
    },\n    "virtualMachineProfile": {\n      "osProfile": {\n        "computerNamePrefix": "winvmcdd3",\n        "adminUsername": "clitest1234",\n        "provisionVMAgent": true,\n        "enableAutomaticUpdates": true,\n        "osDisk": {\n          "createOption": "FromImage",\n          "caching": "ReadWrite",\n          "managedDisk": {\n            "storageAccountType": "Premium_LRS"
          }
        },\n        "imageReference": {\n          "publisher": "MicrosoftWindowsServer",\n          "offer": "WindowsServer",\n          "version": "latest",
        },\n        "networkProfile": {\n          "networkInterfaceConfigurations": [{\n            "name": "winvmcdd3Nic",\n            "properties": {\n              "primary": true,\n              "enableAcceleratedNetworking": true,
              "enableIPForwarding": false,
              "ipConfigurations": [{\n                "name": "winvmcdd3IPConfig",\n                "properties": {\n                  "subnet": "59fe0b36-aeca-4b3f-8c4e-984e6f0d7208"
                }
              }]
            }
          },\n          "subnet": "59fe0b36-aeca-4b3f-8c4e-984e6f0d7208"
        }\n      },\n      "licenseType": "Windows_Server",
      "provisioningState": "Succeeded",
      "overprovision": true,
      "uniqueId": "59fe0b36-aeca-4b3f-8c4e-984e6f0d7208"
    },
    "virtualMachineProfile": {\n      "osProfile": {\n        "computerNamePrefix": "winvmcdd3",\n        "adminUsername": "clitest1234",\n        "provisionVMAgent": true,\n        "enableAutomaticUpdates": true,
        "osDisk": {\n          "createOption": "FromImage",\n          "caching": "ReadWrite",\n          "managedDisk": {\n            "storageAccountType": "Premium_LRS"
          }
        },\n        "imageReference": {\n          "publisher": "MicrosoftWindowsServer",\n          "offer": "WindowsServer",\n          "version": "latest",
        },\n        "networkProfile": {\n          "networkInterfaceConfigurations": [{\n            "name": "winvmcdd3Nic",\n            "properties": {\n              "primary": true,\n              "enableAcceleratedNetworking": true,
              "enableIPForwarding": false,
              "ipConfigurations": [{\n                "name": "winvmcdd3IPConfig",\n                "properties": {\n                  "subnet": "59fe0b36-aeca-4b3f-8c4e-984e6f0d7208"
                }
              }]
            }
          },\n          "subnet": "59fe0b36-aeca-4b3f-8c4e-984e6f0d7208"
        }\n      }
    }
  }
}

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type: '{Microsoft.Compute/virtualMachineScaleSets:\n  "name": "winvmss\n  "id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Compute/virtualMachineScaleSets/winvmss\n  "name": "winvmss\nheaders:
  cache-control: [no-cache]
  content-length: [2573]
  content-type: [application/json; charset=utf-8]
  date: ['Tue, 26 Feb 2019 03:24:27 GMT']
  expires: ['-1']
  pragma: [no-cache]
  server: [Microsoft-HTTPAPI/2.0, Microsoft-HTTPAPI/2.0]
  strict-transport-security: [max-age=31536000; includeSubDomains]
  transfer-encoding: [chunked]
  vary: [Accept-Encoding]
  x-content-type-options: [nosniff]
  x-ms-ratelimit-remaining-resource:
    - request:
      body: null
      headers:
        Accept: [application/json]
        Accept-Encoding: ['gzip, deflate']
        CommandName: [vmss update]
        Connection: [keep-alive]
        ParameterSetName: [-g -n --license-type]
        User-Agent: [python/3.5.2 (Windows-10-10.0.17763-SP0) msrest/0.6.2 msrest_azure/0.4.34 computemanagementclient/4.4.0 Azure-SDK-For-Python AZURECLI/2.0.58]
        accept-language: [en-US]
        method: GET
        uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Compute/virtualMachineScaleSets/winvmss/api-version=2017-12-01
response:
  body: {string: '{
    "sku": {
      "name": "Standard_DS1_v2",
      "tier": "Standard",
      "capacity": 1
    },
    "properties": {
      "singlePlacementGroup": true,
      "upgradePolicy": {
        "mode": "Manual",
        "automaticOSUpgrade": false
      },
      "virtualMachineProfile": {
        "osProfile": {
          "computerNamePrefix": "winvmcdd3",
          "adminUsername": "clitest1234",
        },
        "storageProfile": {
          "osDisk": {
            "createOption": "FromImage",
            "caching": "ReadWrite",
            "managedDisk": {
              "storageAccountType": "Premium_LRS"
            }
          }
        }
      }
    }
  }
{"sku": "Standard_DS1_v2", "capacity": 1, "tier": "Standard"},
  "tags": {},
  "properties": {
    "singlePlacementGroup": true,
    "overprovision": true,
    "upgradePolicy": {
      "automaticOSUpgrade": false,
      "mode": "Manual"
    },
    "virtualMachineProfile": {
      "networkProfile": {
        "networkInterfaceConfigurations": [{
          "name": "winvmcdd3Nic",
          "properties": {
            "primary": true,
            "enableAcceleratedNetworking": false,
            "dnsSettings": {
              "dnsServers": []
            },
            "enableIPForwarding": false,
            "ipConfigurations": [{
              "name": "winvmcdd3IPConfig",
              "properties": {
                "subnet": {
                  "id": /subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/virtualNetworks/winvmVNET/subnets/winvmSubnet"
                }
              }
            }
          }
        }]
      }
    }
  }
}
}
000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/loadBalancers/
winvmssLB/inboundNatPools/winvmssLBNatPool"}],
"privateIPAddressVersion": "IPv4", "loadBalancerBackendAddressPools": [{"id":
"/subscriptions/00000000-0000-0000-0000000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/loadBalancers/
winvmssLB/backendAddressPools/winvmssLBBEPool"}],
"subnet": {"id": "/subscriptions/00000000-0000-0000-0000000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/virtualNetwork
s/winvmVNET/subnets/winvmSubnet"}}}],
"primary": true, "enableAcceleratedNetworking": false, "enableIPForwarding":
false}}]}, "osProfile": {"computerNamePrefix": "winvmcdd3", "secrets": [], "windowsConfiguration":
{"provisionVMAgent": true, "enableAutomaticUpdates": true}, "adminUsername":
"clitest1234"}, "licenseType": "None", "storageProfile": {"osDisk": {"caching":
"ReadWrite", "managedDisk": {"storageAccountType": "Premium_LRS"}, "createOption":
"FromImage"}, "imageReference": {"publisher": "MicrosoftWindowsServer", "offer":
"WindowsServer", "sku": "2012-R2-Datacenter", "version": "latest"}}}}, "location":
"westus"}'''
headers:
Accept: [application/json]
Accept-Encoding: ['gzip, deflate']
CommandName: [vmss update]
Connection: [keep-alive]
Content-Length: ['1855']
Content-Type: [application/json; charset=utf-8]
ParameterSetName: [-g -n --license-type]
User-Agent: [python/3.5.2 (Windows-10-10.0.17763-SP0) msrest/0.6.2 msrest_azure/0.4.34
computemanagementclient/4.4.0 Azure-SDK-For-Python AZURECLI/2.0.58]
accept-language: [en-US]
method: PUT
uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Compute/virtualMachin
eScaleSets/winvmss?api-version=2017-12-01
response:
body: {string: "{\r\n \"sku\": {\r\n \"name\": \"Standard_DS1_v2\",\r\n \
\ \"tier\": \"Standard\",\r\n \"capacity\": 1\r\n },\r\n \"properties\"\
: {\r\n \"singlePlacementGroup\": true,\r\n \"upgradePolicy\": {\r\n\
\
\"mode\": \"Manual\",\r\n
\"automaticOSUpgrade\": false\r\n \
\ },\r\n \"virtualMachineProfile\": {\r\n
\"osProfile\": {\r\n \
\
\"computerNamePrefix\": \"winvmcdd3\",\r\n
\"adminUsername\"\
: \"clitest1234\",\r\n
\"windowsConfiguration\": {\r\n
\"\
provisionVMAgent\": true,\r\n
\"enableAutomaticUpdates\": true\r\n\
\
},\r\n
\"secrets\": []\r\n
},\r\n
\"storageProfile\"\
: {\r\n
\"osDisk\": {\r\n
\"createOption\": \"FromImage\"\
,\r\n
\"caching\": \"ReadWrite\",\r\n
\"managedDisk\": {\r\
\n
\"storageAccountType\": \"Premium_LRS\"\r\n
}\r\n \
\
},\r\n
\"imageReference\": {\r\n
\"publisher\": \"\
MicrosoftWindowsServer\",\r\n
\"offer\": \"WindowsServer\",\r\n \
\
\"sku\": \"2012-R2-Datacenter\",\r\n
\"version\": \"latest\"\

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headers:
  azure-asyncnotification: [Enabled]
  azure-asyncoperation: [https://management.azure.com/subscriptions/00000000-0000-0000-0000-000000000000/providers/Microsoft.Compute/locations/westus/operations/25e9b78b-bce4-4642-adfb-73fb6c95df12?api-version=2017-12-01]
  cache-control: [no-cache]
  content-length: [2562]
  content-type: [application/json]
  date: [Tue, 26 Feb 2019 03:24:29 GMT]
  expires: [-1]
  pragma: [no-cache]
  server: [Microsoft-HTTPAPI/2.0, Microsoft-HTTPAPI/2.0]
  strict-transport-security: [max-age=31536000; includeSubDomains]
  transfer-encoding: [chunked]
  vary: [Accept-Encoding]
  x-content-type-options: [nosniff]
  x-ms-ratelimit-remaining-resource: [Microsoft.Compute/CreateVMScaleSet3Min;38,Microsoft.Compute/CreateVMScaleSet30Min;192,Microsoft.Compute/VmssQueuedVMOperations;4800]
  x-ms-ratelimit-remaining-subscription-writes: [1199]
  x-ms-request-charge: [0]
  status: [code: 200, message: OK]
- request:
  body: null
  headers:
    Accept: [application/json]
    Accept-Encoding: [gzip, deflate]
CommandName: [vmss update]
Connection: [keep-alive]
ParameterSetName: [-g -n --license-type]
User-Agent: [python/3.5.2 (Windows-10-10.0.17763-SP0) msrest/0.6.2 msrest_azure/0.4.34
    computemanagementclient/4.4.0 Azure-SDK-For-Python AZURECLI/2.0.58]
method: GET
uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-
000000000000/providers/Microsoft.Compute/locations/westus/operations/25e9b78b-bce4-4642-adfb-
73fb6c95df12?api-version=2017-12-01
response:
body: "{ "startTime": "2019-02-26T03:24:29.6982636+00:00",
    "endTime": "2019-02-26T03:24:52.3234248+00:00",
    "status": "Succeeded",
    "name": "25e9b78b-bce4-4642-adfb-73fb6c95df12"
}"
headers:
  cache-control: [no-cache]
content-length: ["134"]
content-type: [application/json; charset=utf-8]
date: ["Tue, 26 Feb 2019 03:24:40 GMT"]
expires: ["-1"]
pragma: [no-cache]
server: [Microsoft-HTTPAPI/2.0, Microsoft-HTTPAPI/2.0]
strict-transport-security: [max-age=31536000; includeSubDomains]
transfer-encoding: [chunked]
vary: [Accept-Encoding]
x-content-type-options: [nosniff]
x-ms-ratelimit-remaining-resource:
    ["Microsoft.Compute/GetOperation3Min;14990,Microsoft.Compute/GetOperation30Min;29891"]
status: {code: 200, message: OK}
request:
  body: null
  headers:
    Accept: [application/json]
    Accept-Encoding: [gzip, deflate]
    CommandName: [vmss update]
    Connection: [keep-alive]
    ParameterSetName: [-g -n --license-type]
    User-Agent: [python/3.5.2 (Windows-10-10.0.17763-SP0) msrest/0.6.2 msrest_azure/0.4.34
        computemanagementclient/4.4.0 Azure-SDK-For-Python AZURECLI/2.0.58]
    method: GET
    uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-
000000000000/providers/Microsoft.Compute/locations/westus/operations/25e9b78b-bce4-4642-adfb-
73fb6c95df12?api-version=2017-12-01
response:
  body: "{ "startTime": "2019-02-26T03:24:29.6982636+00:00",
    "endTime": "2019-02-26T03:24:52.3234248+00:00",
    "status": "Succeeded",
    "name": "25e9b78b-bce4-4642-adfb-73fb6c95df12"
}"
headers:
  cache-control: [no-cache]
content-length: ['184']
content-type: [application/json; charset=utf-8]
date: ['Tue, 26 Feb 2019 03:25:31 GMT']
 expires: ['-1']
 pragma: [no-cache]
 server: [Microsoft-HTTPAPI/2.0, Microsoft-HTTPAPI/2.0]
 strict-transport-security: [max-age=31536000; includeSubDomains]
 transfer-encoding: [chunked]
 vary: [Accept-Encoding]
 x-content-type-options: [nosniff]
 x-ms-ratelimit-remaining-resource: ['Microsoft.Compute/GetOperation3Min;14989,Microsoft.Compute/GetOperation30Min;29909']
 status: {code: 200, message: OK}
 - request:
   body: null
 headers:
   Accept: [application/json]
   Accept-Encoding: ['gzip, deflate']
   CommandName: [vmss update]
   Connection: [keep-alive]
   ParameterSetName: [-g -n --license-type]
   User-Agent: [python/3.5.2 (Windows-10-10.0.17763-SP0) msrest/0.6.2 msrest_azure/0.4.34
   computemanagementclient/4.4.0 Azure-SDK-For-Python AZURECLI/2.0.58]
   method: GET
   uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Compute/virtualMachin
   eScaleSets/winvmss?api-version=2017-12-01
 response:
   body: {string: '{
  "sku": {
    "name": "Standard_DS1_v2",
    "tier": "Standard",
    "capacity": 1
  },
  "properties": {
    "singlePlacementGroup": true,
    "upgradePolicy": {
      "mode": "Manual",
      "automaticOSUpgrade": false
    },
    "virtualMachineProfile": {
      "osProfile": {
        "computerNamePrefix": "winvmcdd3",
        "adminUsername": "clitest1234",
        "provisionVMAgent": true,
        "enableAutomaticUpdates": true
      },
      "storageProfile": {
        "osDisk": {
          "createOption": "FromImage",
          "caching": "ReadWrite",
          "managedDisk": {
            "storageAccountType": "Premium_LRS"
          }
        },
        "imageReference": {
          "publisher": "MicrosoftWindowsServer",
          "offer": "WindowsServer",
          "version": "\"2012-R2-Datacenter\"
        }
      },
      "networkProfile": {
        "networkInterfaceConfigurations": [{
          "name": "winvmcdd3Nic",
          "properties": {
            "primary": true,
            "enableAcceleratedNetworking": false,
            "dnsSettings": [],
            "enableIPForwarding": false,
            "ipConfigurations": [{
              "name": "winvmcdd3IPConfig",
              "properties": {
                "subnet": "\"127.0.0.0/8\"
              }
            }
          ]
        }
      }
    }
  }
}'}
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==============

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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
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Mersenne Twister

The `_random` module includes code based on a download from 
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A C-program for MT19937, with initialization improved 2002/1/26. 
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed) 
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http://www.math.keio.ac.jp/matumoto/emt.html
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Sockets
-------

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

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

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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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   version 1.2.11, January 15th, 2017

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*/

1.500 libsasl 2.1.27~101-g0780600+dfsg-3ubuntu2

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The "source code" for a work means the preferred form of the work
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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

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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It was downloaded from:
   <https://download.gnome.org/sources/pango/>

Upstream Authors:
Owen Taylor <otaylor@redhat.com>

Robert Brady (Indic shapers), Hans Breuer (Windows backend), Matthias Clasen (Documentation), Sivaraj Doddannan (Tamil shaper), Dov Grobgeld (Hebrew shaper), Karl Koehler (Arabic shaper), Alex Larsson (FreeType and Windows backends), Tor Lillqvist (FreeType and Windows backends), Changwoo Ryu (Hangul shaper), Havoc Pennington, Roozbeh Pournader (Arabic shaper), Chookij Vanatham (Hebrew shaper).

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 */

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mgo - MongoDB driver for Go

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Gocheck - A rich testing framework for Go

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TOMB - Support for clean goroutine termination in Go.

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1.507 python-minimal 3.6.7-1~18.04
1.507.1 Available under license:
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sources from ftp.python.org:/pub/python, based on the Debianization by
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A. HISTORY OF THE SOFTWARE

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

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

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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MySQL 5.7.28 (and later)

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Version 3, 29 June 2007

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Version 3.1, 31 March 2009

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libssh v0.7.3

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----------------
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----------------
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This file contains a list of people who have contributed code and effort to the memcached project. If you don't see your name mentioned send email to the memcached mailing list so you can be immortalized.

Also see the ChangeLog for even more people who have helped over the years by submitting fixes, patches and reporting bugs.

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1.520 gcc 8.3.0 6

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Version 3.1, 31 March 2009

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

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

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

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

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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
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copy of the library already present on the user's computer system,
rather than copying library functions into the executable, and (2)
will operate properly with a modified version of the library, if
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which the executable runs, unless that component itself accompanies
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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

" Automatically generated by Pod::Man 4.11 (Pod::Simple 3.35)
" Standard preamble:
" ========================================================================
.de Sp \ Vertical space (when we can't use .PP)
.if t .sp .5v
.if n .sp
.. \de Vb \ Begin verbatim text
.ft CW
.nf
.ne \S1
..
.de Ve \ End verbatim text
.ft R
.fi
.. \ Set up some character translations and predefined strings. \( will
\ give an unbreakable dash, \(PI will give pi, \(L will give a left
\ double quote, and \(R will give a right double quote. \(C+ will
\ give a nicer C++. Capital omega is used to do unbreakable dashes and
\ therefore won't be available. \(C and \(C expand to \ in nroff,
\ nothing in troff, for use with C<>.
.tr \(*W-.
ds C+ C\v-1v\h-1p\v-2p\h-1p+\v0v.1v\h-1p'
.ie n \v
  . ds -- \(*W-
  . ds PI pi
Escape single quotes in literal strings from groff's Unicode transform.

If the F register is >0, we'll generate index entries on stderr for

titles (.TH), headers (.SH), subsections (.SS), items (.Ip), and index

entries marked with X<> in POD. Of course, you'll have to process the

output yourself in some meaningful fashion.

Avoid warning from groff about undefined register 'F'.

Accent mark definitions (@(#)ms.acc 1.5 88/02/08 SMI; from UCB 4.2).

Fear. Run. Save yourself. No user-serviceable parts.

fudge factors for nroff and troff

if n ""

ds #H 0
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IP "10. Automatic Licensing of Downstream Recipients." 4

IX Item "10. Automatic Licensing of Downstream Recipients."

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IP "11. Patents." 4

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notice like this when it starts in an interactive mode:

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the appropriate parts of the General Public License. Of course, your
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SEE ALSO
#!/usr/bin/python
#
# Copyright (C) 2013-2018 Free Software Foundation, Inc.
#
# This script 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 3, or (at your option)
# any later version.
#
# This script adjusts the copyright notices at the top of source files
# so that they have the form:
#
#   Copyright XXXX-YYYY Free Software Foundation, Inc.
#
# It doesn't change code that is known to be maintained elsewhere or
# that carries a non-FSF copyright.
#
# The script also doesn't change testsuite files, except those in
# libstdc++-v3. This is because libstdc++-v3 has a conformance testsuite,
# while most tests in other directories are just things that failed at some
# point in the past.
#
# Pass --this-year to the script if you want it to add the current year
# to all applicable notices. Pass --quilt if you are using quilt and
# want files to be added to the quilt before being changed.
#
# By default the script will update all directories for which the
# output has been vetted. You can instead pass the names of individual
# directories, including those that haven't been approved. So:
#
#   update-copyright.py --this-year
#
# is the command that would be used at the beginning of a year to update
# all copyright notices (and possibly at other times to check whether
# new files have been added with old years). On the other hand:
#
#   update-copyright.py --this-year libitm
#
# would run the script on just libitm/.
#
# Note that things like --version output strings must be updated before
# this script is run. There's already a separate procedure for that.
import os
import re
import sys
import time
import subprocess

class Errors:
    def __init__(self):
        self.num_errors = 0

    def report(self, filename, string):
        if filename:
            string = filename + ': ' + string
        sys.stderr.write(string + '
')
        self.num_errors += 1

    def ok(self):
        return self.num_errors == 0

class GenericFilter:
    def __init__(self):
        self.skip_files = set()
        self.skip_dirs = set()
        self.skip_extensions = set()
        self.fossilised_files = set()
        self.own_files = set()

        self.skip_files |= set(
            [
                # Skip licence files.
                'COPYING',
                'COPYING.LIB',
                'COPYING3',
                'COPYING3.LIB',
                'LICENSE',
                'fdl.texi',
                'gpl_v3.texi',
                'fdl-1.3.xml',
                'gpl-3.0.xml',

                # Skip auto- and libtool-related files
                'aclocal.m4',
                'compile',
                'config.guess',
                'config.sub',
                'decomp',
                'install-sh',
                'libtool.m4',
            ]
        )
'ltmain.sh',
'ltoptions.m4',
'lttsugar.m4',
'ltversion.m4',
'lt~obsolete.m4',
'missing',
'mkdep',
'mkinstalldirs',
'move-if-change',
'shlibpath.m4',
'symlink-tree',
'ylwrap',

# Skip FSF mission statement, etc.
'gnu.texi',
'funding.texi',
'appendix_free.xml',

# Skip imported texinfo files.
'texinfo.tex',

)

def get_line_filter (self, dir, filename):
    if filename.startswith ('ChangeLog'):
        # Ignore references to copyright in changelog entries.
        return re.compile ('\t')

    return None

def skip_file (self, dir, filename):
    if filename in self.skip_files:
        return True

    (base, extension) = os.path.splitext (os.path.join (dir, filename))
    if extension in self.skip_extensions:
        return True

    if extension == '.in':
        # Skip .in files produced by automake.
        if os.path.exists (base + '.am'):
            return True

    # Skip files produced by autogen
    if (os.path.exists (base + '.def')
        and os.path.exists (base + '.tpl')):
        return True
# Skip configure files produced by autoconf
if filename == 'configure':
    if os.path.exists (base + '.ac'):
        return True
    if os.path.exists (base + '.in'):
        return True
return False

def skip_dir (self, dir, subdir):
    return subdir in self.skip_dirs

def is_fossilised_file (self, dir, filename):
    if filename in self.fossilised_files:
        return True
    # Only touch current current ChangeLogs.
    if filename != 'ChangeLog' and filename.find ('ChangeLog') >= 0:
        return True
    return False

def by_package_author (self, dir, filename):
    return filename in self.own_files

class Copyright:
    def __init__ (self, errors):
        self.errors = errors

        # Characters in a range of years. Include '.' for typos.
        ranges = '[0-9]+([-0-9,\.\s]+and\s+)*[0-9]'

        # Non-whitespace characters in a copyright holder's name.
        name = '\[\w,.-\]'

        # Matches one year.
        self.year_re = re.compile ('[0-9]+')

        # Matches part of a year or copyright holder.
        self.continuation_re = re.compile (ranges + '|\w,-\]')

        # Matches a full copyright notice:
        self.copyright_re = re.compile (r'\[(Cc)opyright\s+\(Cc\)\]
                                         |\[(Cc)opyright\s+\%s\]
                                         |\[(Cc)opyright\s+@copy\]
                                         |\[(Cc)opyright\s+@copyright\]')

        # copyright = ul
# 2: the years. Include the whitespace in the year, so that
# we can remove any excess.
'(\s*(:? + ranges + :)?
'[@value\{[^{}]*\})s*]')

# 3: 'by ', if used
'(by\s+)')

# 4: the copyright holder. Don't allow multiple consecutive
# spaces, so that right-margin gloss doesn't get caught
# (e.g. gnat_ugn.texi).
'( + name +(?:s? + name + )*)?)

# A regexp for notices that might have slipped by. Just matching
# 'copyright' is too noisy, and 'copyright.*[0-9]' falls foul of
# HTML header markers, so check for 'copyright' and two digits.
self.other_copyright_re = re.compile ('copyright.*[0-9][0-9]',
  re.IGNORECASE)
self.comment_re = re.compile('#+|[*]+|;+|%+|//+|@c |dnl ')
def __str__(self):
    return 'unrecognised year: ' + self.year

def parse_year(self, string):
    year = int(string)
    if len(string) == 2:
        if year > 70:
            return year + 1900
    elif len(string) == 4:
        return year
    raise self.BadYear(string)

def year_range(self, years):
    year_list = [self.parse_year(year)
    for year in self.year_re.findall(years)]
    assert len(year_list) > 0
    return (min(year_list), max(year_list))

def set_use_quilt(self, use_quilt):
    self.use_quilt = use_quilt

def include_year(self, year):
    assert not self.max_year
    self.max_year = year

def canonicalise_years(self, dir, filename, filter, years):
    # Leave texinfo variables alone.
    if years.startswith('@value'):
        return years
    (min_year, max_year) = self.year_range(years)
    # Update the upper bound, if enabled.
    if self.max_year and not filter.is_fossilised_file(dir, filename):
        max_year = max(max_year, self.max_year)
    # Use a range.
    if min_year == max_year:
        return '%d' % min_year
    else:
        return '%d-%d' % (min_year, max_year)

def strip_continuation(self, line):
    line = line.lstrip()
    match = self.comment_re.match(line)
    if match:
        line = line[match.end():].lstrip()
def is_complete(self, match):
    holder = match.group(4)
    return (holder
            and (holder not in self.holder_prefixes
                 or holder in self.holders))

def update_copyright(self, dir, filename, filter, file, line, match):
    orig_line = line
    next_line = None
    pathname = os.path.join(dir, filename)
    intro = match.group(1)
    if intro.startswith('@set '):
        # Texinfo year variables should always be on one line
        after_years = line[match.end(2):].strip()
        if after_years != ':
            self.errors.report(pathname,
                               'trailing characters in @set: ' + after_years)
            return (False, orig_line, next_line)
    else:
        # If it looks like the copyright is incomplete, add the next line.
        while not self.is_complete(match):
            try:
                next_line = file.next()
            except StopIteration:
                break
            # If the next line doesn’t look like a proper continuation,
            # assume that what we’ve got is complete.
            continuation = self.strip_continuation(next_line)
            if not self.continuation_re.match(continuation):
                break
            # Merge the lines for matching purposes.
            orig_line += next_line
            line = line.strip() + ' ' + continuation
            next_line = None

            # Rematch with the longer line, at the original position.
            match = self.copyright_re.match(line, match.start())
            assert match
            holder = match.group(4)

            # Use the filter to test cases where markup is getting in the way.
if filter.by_package_author (dir, filename):
    assert holder not in self.holders

elif not holder:
    self.errors.report (pathname, 'missing copyright holder')
    return (False, orig_line, next_line)

elif holder not in self.holders:
    self.errors.report (pathname,
                         'unrecognised copyright holder: ' + holder)
    return (False, orig_line, next_line)

else:
    # See whether the copyright is associated with the package
    # author.
    canon_form = self.holders[holder]
    if not canon_form:
        return (False, orig_line, next_line)

    # Make sure the author is given in a consistent way.
    line = (line[:match.start (4)]
            + canon_form
            + line[match.end (4):])

    # Remove any 'by'
    line = line[:match.start (3)] + line[match.end (3):]

    # Update the copyright years.
    years = match.group (2).strip()
    try:
        canon_form = self.canonicalise_years (dir, filename, filter, years)
    except self.BadYear as e:
        self.errors.report (pathname, str (e))
        return (False, orig_line, next_line)

    line = (line[:match.start (2)]
            + ('' if intro.startswith ('copyright = ') else ' ')
            + canon_form + self.separator
            + line[match.end (2):])

    # Use the standard (C) form.
    if intro.endswith ('right'):
        intro += ' (C)'
    elif intro.endswith ('(c)'):
        intro = intro[:-3] + '(C)'
    line = line[:match.start (1)] + intro + line[match.end (1):]

    # Strip trailing whitespace
line = line.rstrip() + '\n'

return (line != orig_line, line, next_line)

def process_file (self, dir, filename, filter):
    pathname = os.path.join (dir, filename)
    if filename.endswith ('.tmp'):
        # Looks like something we tried to create before.
        try:
            os.remove (pathname)
        except OSError:
            pass
        return
    
    lines = []
    changed = False
    line_filter = filter.get_line_filter (dir, filename)
    mode = None
    with open (pathname, 'r') as file:
        prev = None
        mode = os.fstat (file.fileno()).st_mode
        for line in file:
            while line:
                next_line = None
                # Leave filtered-out lines alone.
                if not (line_filter and line_filter.match (line)):
                    match = self.copyright_re.search (line)
                    if match:
                        res = self.update_copyright (dir, filename, filter, 
                                                      file, line, match)
                        (this_changed, line, next_line) = res
                        changed = changed or this_changed
                # Check for copyright lines that might have slipped by.
                elif self.other_copyright_re.search (line):
                    self.errors.report (pathname,
                                        'unrecognised copyright: %s' % line.strip())
                lines.append (line)
                line = next_line

                # If something changed, write the new file out.
                if changed and self.errors.ok():
                    tmp_pathname = pathname + '.tmp'
                    with open (tmp_pathname, 'w') as file:
                        for line in lines:
                            file.write (line)
                        os.fchmod (file.fileno(), mode)
if self.use_quilt:
    subprocess.call ('[quilt', 'add', pathname])
    os.rename (tmp_pathname, pathname)

def process_tree (self, tree, filter):
    for (dir, subdirs, filenames) in os.walk (tree):
        # Don't recurse through directories that should be skipped.
        for i in xrange (len (subdirs) - 1, -1, -1):
            if filter.skip_dir (dir, subdirs[i]):
                del subdirs[i]

        # Handle the files in this directory.
        for filename in filenames:
            if filter.skip_file (dir, filename):
                sys.stdout.write ('Skipping %s
' % os.path.join (dir, filename))
            else:
                self.process_file (dir, filename, filter)

class CmdLine:
    def __init__ (self, copyright = Copyright):
        self.errors = Errors()
        self.copyright = copyright (self.errors)
        self.dirs = []
        self.default_dirs = []
        self.chosen_dirs = []
        self.option_handlers = dict()
        self.option_help = []

        self.add_option ('--help', 'Print this help', self.o_help)
        self.add_option ('--quilt', '"quilt add" files before changing them', self.o_quilt)
        self.add_option ('--this-year', 'Add the current year to every notice', self.o_this_year)

    def add_option (self, name, help, handler):
        self.option_help.append ((name, help))
        self.option_handlers[name] = handler

    def add_dir (self, dir, filter = GenericFilter()):
        self.dirs.append ((dir, filter))

    def o_help (self, option = None):
        sys.stdout.write ('Usage: %s [options] dir1 dir2...

            Options:
' % sys.argv[0])
        format = '%-15s %s
'
        for (what, help) in self.option_help:
            sys.stdout.write (format % (what, help))

    def add_dir (self, dir, filter = GenericFilter()):
        self.dirs.append ((dir, filter))

    def o_help (self, option = None):
        sys.stdout.write ('Usage: %s [options] dir1 dir2...

            Options:
' % sys.argv[0])
        format = '%-15s %s
'
        for (what, help) in self.option_help:
            sys.stdout.write (format % (what, help))
sys.stdout.write('Unrecognized:
')

format = '%-25s'
i = 0
for (dir, filter) in self.dirs:
i += 1
    if i % 3 == 0 or i == len(self.dirs):
        sys.stdout.write(dir + 'n')
    else:
        sys.stdout.write(format % dir)
sys.exit(0)

def o_quilt(self, option):
    self.copyright.set_use_quilt(True)

def o_this_year(self, option):
    self.copyright.include_year(time.localtime().tm_year)

def main(self):
    for arg in sys.argv[1:]:
        if arg[:1] != '-':
            self.chosen_dirs.append(arg)
        elif arg in self.option_handlers:
            self.option_handlers[arg](arg)
        else:
            self.errors.report(None, 'unrecognized option: ' + arg)
if self.errors.ok():
    if len(self.chosen_dirs) == 0:
        self.chosen_dirs = self.default_dirs
    if len(self.chosen_dirs) == 0:
        self.o_help()
    else:
        for chosen_dir in self.chosen_dirs:
            canon_dir = os.path.join(chosen_dir, '')
            count = 0
            for (dir, filter) in self.dirs:
                if (dir + os.sep).startswith(canon_dir):
                    count += 1
                    self.copyright.process_tree(dir, filter)
            if count == 0:
                self.errors.report(None, 'unrecognized directory: ' + chosen_dir)
                sys.exit(0 if self.errors.ok() else 1)

#--------------------------------------------------------------------------------

class TopLevelFilter(GenericFilter):
    def skip_dir(self, dir, subdir):
return True

class ConfigFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

def skip_file (self, dir, filename):
    if filename.endswith ('.m4'):
        pathname = os.path.join (dir, filename)
        with open (pathname) as file:
            # Skip files imported from gettext.
            if file.readline().find ('gettext-') >= 0:
                return True
        return GenericFilter.skip_file (self, dir, filename)

class GCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_files |= set (['
            # Not part of GCC
            'math-68881.h',
        ])

        self.skip_dirs |= set (['
            # Better not create a merge nightmare for the GNAT folks.
            'ada',

            # Handled separately.
            'testsuite',
        ])

        self.skip_extensions |= set (['
            # Maintained by the translation project.
            '.po',

            # Automatically-generated.
            '.pot',
        ])

        self.fossilised_files |= set (['
            # Old news won't be updated.
            'ONEWS',
        ])

class TestsuiteFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)
self.skip_extensions |= set([
    # Don't change the tests, which could be woend by anyone.
    '.c',
    '.C',
    '.cc',
    '.h',
    '.hs',
    '.f',
    '.f90',
    '.go',
    '.inc',
    '.java',
])

def skip_file(self, dir, filename):
    # g++.niklas/README contains historical copyright information
    # and isn't updated.
    if filename == 'README' and os.path.basename(dir) == 'g++.niklas':
        return True
    # Similarly params/README.
    if filename == 'README' and os.path.basename(dir) == 'params':
        return True
    if filename == 'pdt_5.f03' and os.path.basename(dir) == 'gfortran.dg':
        return True
    return GenericFilter.skip_file(self, dir, filename)

class LibCppFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_extensions |= set([
            # Maintained by the translation project.
            '.po',

            # Automatically-generated.
            '.pot',
        ])

class LibGCCFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_dirs |= set([
            # Imported from GLIBC.
            'soft-fp',
        ])

Open Source Used In Cisco Container Platform 6.1.018232
class LibStdCxxFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_files |= set (['
            # Contains no copyright of its own, but quotes the GPL.
            'intro.xml',
        ])

        self.skip_dirs |= set (['
            # Contains automatically-generated sources.
            'html',

            # The testsuite data files shouldn't be changed.
            'data',

            # Contains imported images
            'images',
        ])

        self.own_files |= set (['
            # Contains markup around the copyright owner.
            'spine.xml',
        ])

    def get_line_filter (self, dir, filename):
        if filename == 'boost_concept_check.h':
            return re.compile ('
                // (\(C\) Copyright Jeremy Siek')
        return GenericFilter.get_line_filter (self, dir, filename)

class GCCCopyright (Copyright):
    def __init__ (self, errors):
        Copyright.__init__ (self, errors)

        canon_fsf = 'Free Software Foundation, Inc.'
        self.add_package_author ('Free Software Foundation', canon_fsf)
        self.add_package_author ('Free Software Foundation', canon_fsf)
        self.add_package_author ('Free Software Foundation Inc.', canon_fsf)
        self.add_package_author ('Free Software Foundation, Inc.', canon_fsf)
        self.add_package_author ('The Free Software Foundation', canon_fsf)
        self.add_package_author ('The Free Software Foundation, Inc.', canon_fsf)
        self.add_package_author ('Software Foundation, Inc.', canon_fsf)

        self.add_external_author ('ARM')
        self.add_external_author ('AdaCore')
        self.add_external_author ('Ami Tavory and Vladimir Dreizin, IBM-HRL.')
        self.add_external_author ('Cavium Networks.')
class GCCCmdLine (CmdLine):
    def __init__ (self):
        CmdLine.__init__ (self, GCCCopyright)

        self.add_dir ('.', TopLevelFilter())
        # boehm-gc is imported from upstream.
        self.add_dir ('config', ConfigFilter())
        # contrib isn't really part of GCC.
        self.add_dir ('fixincludes')
        self.add_dir ('gcc', GCCFilter())
        self.add_dir (os.path.join ('gcc', 'testsuite'), TestsuiteFilter())
        self.add_dir ('gnattools')
        self.add_dir ('gotools')
        self.add_dir ('include')
        # intl is imported from upstream.
        self.add_dir ('libada')
        self.add_dir ('libatomic')
        self.add_dir ('libbacktrace')
        self.add_dir ('libcc1')
        self.add_dir ('libcpp', LibCppFilter())
        self.add_dir ('libdecnumber')
        # libffi is imported from upstream.
        self.add_dir ('libgcc', LibGCCFilter())
self.add_dir('libgfortran')
# libgo is imported from upstream.
self.add_dir('libgomp')
self.add_dir('libhsail-rt')
self.add_dir('libiberty')
self.add_dir('libitm')
self.add_dir('libobjc')
# liboffloadmic is imported from upstream.
self.add_dir('libquadmath')
# libsanitizer is imported from upstream.
self.add_dir('libssp')
self.add_dir('libstdc++-v3', LibStdCxxFilter())
self.add_dir('libvtv')
self.add_dir('lto-plugin')
# maintainer-scripts maintainer-scripts
# zlib is imported from upstream.

self.default_dirs = [
    'gcc',
    'include',
    'libada',
    'libatomic',
    'libbacktrace',
    'libgcc',
    'libgfortran',
    'libgomp',
    'libhsail-rt',
    'libiberty',
    'libitm',
    'libobjc',
    'libssp',
    'libstc++-v3',
    'libvtv',
    'lto-plugin',
]

GCCCmdLine().main()

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University of Illinois at Urbana-Champaign

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Program             Directory
-------             ---------
mach_override       lib/interception/mach_override

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table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

(For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the
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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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/* Definitions for BSD assembler syntax for Intel 386 (actually AT&T syntax for insns and operands, adapted to BSD conventions for symbol names and debugging.)

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/* Use the Sequent Symmetry assembler syntax. */

/* Define the syntax of pseudo-ops, labels and comments. */

/* Prefix for internally generated assembler labels. If we aren't using underscores, we are using prefix `.s to identify labels that should be ignored, as in `i386/gas.h' --karl@cs.umb.edu */

#define LPREFIX "L"
/* Assembler pseudos to introduce constants of various size. */

#define ASM_BYTE "\t.byte\t"
#define ASM_SHORT "\t.word\t"
#define ASM_LONG "\t.long\t"
#define ASM_QUAD "\t.quad\t" /* Should not be used for 32bit compilation. */

/* This was suggested, but it shouldn't be right for DBX output. -- RMS */
#define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) */

/* Define the syntax of labels and symbol definitions/declarations. */

/* This is how to output an assembler line that says to advance the location counter by SIZE bytes. */

#define ASM_OUTPUT_SKIP(FILE,SIZE) 
    fprintf (FILE, "\t.space \" HOST_WIDE_INT_PRINT_UNSIGNED\"u\", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations. */

/* This says how to output an assembler line to define a global common symbol. */

#define ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED) 
    ( fputs (".comm\", (FILE)),
      assemble_name ((FILE), (NAME)),
      fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

/* This says how to output an assembler line to define a local common symbol. */

#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED) 
    ( fputs (".lcomm\", (FILE)),
      assemble_name ((FILE), (NAME)),
      fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

#if defined HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT) 
    ( fputs (".lcomm\", (FILE)),
      assemble_name ((FILE), (NAME)),
      fprintf ((FILE), ",%u,%u\n", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif

/* This is how to output an assembler line that says to advance the location counter to a multiple of 2**LOG bytes. */
#define ASM_OUTPUT_ALIGN(FILE,LOG)\  if ((LOG)!=0) fprintf ((FILE), "\t.align %d\n", (LOG))

/* This is how to store into the string BUF
the symbol_ref name of an internal numbered label where
PREFIX is the class of label and NUM is the number within the class.
This is suitable for output with `assemble_name'. */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER)\  sprintf ((BUF), "*%s%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols. */

#define USER_LABEL_PREFIX "_

/* Sequent has some changes in the format of DBX symbols. */
#define DBX_NO_XREFS 1

/* Don't split DBX symbols into continuations. */
#define DBX_CONTIN_LENGTH 0

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Julian Seward, jseward@bzip.org
bzip2/libbz2 version 1.0.6 of 6 September 2010
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This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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# 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)

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Gadi Oxman, August 1995

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+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@
 Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
 */
 /*
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This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of: tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003
It is part of the main e2fsprogs distribution, which can be found at:

http://sourceforge.net/projects/e2fsprogs

Upstream Author: Theodore Ts'o <tytso@mit.edu>

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On Debian systems, the complete text of the GNU Lesser (Library) General Public License can be found in /usr/share/common-licenses/LGPL-2. 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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Theodore Ts'o
23-June-2007

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Protocol Buffers for Go with Gadgets

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   compiler/cpp/src/generate/t_xsd_generator.cc
   compiler/cpp/src/main.cc
   compiler/cpp/src/parse/t_field.h
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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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1.535 dpkg 1.19.0.5ubuntu2.3

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

That’s all there is to it!
# README for Debian packaging contributors #

This documentation describes how to contribute to the official Debian packages of MariaDB. The packaging in Debian repositories is not identical to the packaging in mariadb.org repositories, but whatever is in Debian repositories will eventually be upstreamed.

## Development environment and tools

Use a recent version of Debian or Ubuntu as the environment for Debian packaging testing and development. Preferred environment is Debian Sid (unstable).

Install the tool used to manage and build the source
sudo apt-get install git-buildpackage
## Getting the source

The official Debian package source is hosted on the Debian Gitlab server under the MariaDB/MySQL packaging team at https://salsa.debian.org/mariadb-team/. You are welcome to fork it and make merge requests.

To get the latest official Debian packaging source of mariadb-10.3, clone the source repository with all relevant branches (master, upstream, pristine-tar) to your local environment using _git-buildpackage_:

```
gbp clone --pristine-tar https://salsa.debian.org/mariadb-team/mariadb-10.3.git
```

If you have your own fork and SSH keys set up on Salsa, you can run:

```
gbp clone --pristine-tar git@salsa.debian.org:<username>/mariadb-10.3.git
```

The clone needs to be run only once. On later runs you can refresh your clone with relevant branches using

```
gbp pull --pristine-tar --force
```

## Building the packages

Build binaries, run testsuite and build Debian packages with

```
gbp buildpackage
```

On the first run git-buildpackage will complain if some of the build dependencies defined in debian/control are missing. Simply install those packages and run the build again.

A quick command to install all dependencies:

```
sudo mk-build-deps -r -i debian/control -t "apt-get -y -o Debug::pkgProblemResolver=yes --no-install-recommends"
```

If the build fails, the easiest way to clean up before a new run is

```
git clean -fdx && git reset --hard
```

### Build options

If you want to skip the mysql-test-run step (which takes a lot of time) set the following environment variable:

```
export DEB_BUILD_OPTIONS="nocheck"
```

If you want to run the build in parallel on 2 CPUs and have verbose output:

```
export DEB_BUILD_OPTIONS="parallel=2 verbose"
```

The options above can also be combined freely to get desired behavior.
## Creating a feature or bugfix branch

The repository has the following branch layout:
* upstream - contains the upstream source releases without modifications
* pristine-tar - contains extra delta needed to re-create the original tarballs with the exactly same SHA-1 hash as the original tarballs by upstream
* master - packaging for Debian Sid (unstable)
* jessie - release branch for Debian 8 (jessie)
* stretch - release branch for Debian 9 (stretch)
* ubuntu-16.04 - release branch for Ubuntu 16.04 (xenial)
* ubuntu-18.04 - release branch for Ubuntu 18.04 (bionic)

All new features and also bugfixes are done only in the master branch. The release branches for Debian and Ubuntu are only used for security updates.

To prepare the Salsa pull request, create a bugfix branch from master with:
```
git checkout -b fix-example-name
```

After this you can develop with all the usual git commit and push commands until you have in your fork at Salsa the desired change and you are ready to open the merge request.

### Notes about how to make changes in the proper way

First consider submitting your patch upstream. Upstream MariaDB makes frequent maintenance releases and any fix done upstream will therefore be included in Debian relatively quickly. You can send email to the developers mailing list or open a pull request at https://github.com/MariaDB/server.

Follow these instructions if your fix is about packaging in Debian specifically. Start by using gitk or similar tool to browse the previous changes. Try to follow similar pattern in your new changes.

Keep in mind that all changes must done only for files residing in the debian/subdirectory. If you need to create changes outside the debian/directory, then you need to create a patch file using the same pattern as the patches found in debian/patches and activated by a line in debian/patches/series

Do not bundle in your commit any changes to debian/changelog. The correct changelog entries will be created later by the maintainer using git-dch in an automated fashion.

For an example of a patch adding commit see https://github.com/ottok/mariadb-10.0/commit/8d2a7c909

### Using Docker

First make a working directory for the build artefacts. Inside that directory
clone the repository. Then start a Docker session using whatever Debian/Ubuntu image you want with the command:

docker run -it -v ${PWD}/:build -w /build debian:sid bash

This will start a session, where you are as the root user in the path /build inside the Docker container. Here you can cd into the source directory, install dependencies and start the build. Note that when you exit the session, everything will be lost apart from the files you had inside the mounted volume in /build.

# Using sbuild

If you prefer sbuild, you can build with something like:

```bash
gbp buildpackage --git-builder=sbuild -A -v -d unstable
```

Rules:

```bash
rules:
-
  Glob: storage/maria/ma_commit.c storage/maria/trnman.h storage/maria/trnman_public.h
  storage/maria/unitest/trnman-t.c include/waiting_threads.h unitest/mysys/waiting_threads-t.c
  mysys/waiting_threads.c storage/maria/trnman.c include/maria.h

Copyright:
- MySQL AB,
- 2008-2009 Sun Microsystems, Inc
-
  Glob: storage/tokudb/ft-index/third_party/xz-4.999.9beta/build-aux/install-sh
  License: MIT/X11
-
  Glob: storage/connect/*
  Copyright: 1993-2014 Olivier Bertrand
-
  Glob: client/async_example.c include/my_context.h mysys/my_context.c storage/connect/inihandl.c 
  storage/tokudb/ft-index/third_party/xz-4.999.9beta/lib/getopt.c storage/tokudb/ft-index/third_party/xz-4.999.9beta/lib/getopt.in.h 
  storage/tokudb/ft-index/third_party/xz-4.999.9beta/lib/getopt1.c storage/connect/inihandl.c 
  tests/nonblock-wrappers.h tests/async_queries.c sql-common/mysql_async.c
  License: LGPL-2.1+
-
  Glob: mysys/my_port.c
  License: LGPL-2
-
  Glob: debian/additions/innotop/*
  License: GPL-2 or Artistic
-
  Glob: storage/innobase/include/pars0grm.h storage/innobase/pars/pars0grm.cc 
  storage/xtradb/include/pars0grm.h storage/xtradb/pars/pars0grm.cc
  License: GPL-2+-with-bison-exception
-
  Glob: storage/innobase/fts/fts0pars.cc sql/sql_yacc.cc sql/sql_yacc.h storage/innobase/include/fts0pars.h 
```
storage/xtradb/fts/fts0pars.cc  storage/xtradb/include/fts0pars.h
License: GPL-3+-with-bison-exception
-
Glob: storage/connect/inihandl.c
VerifyLicense: LGPL-2.1+
-
Glob: storage/tokudb/ft-index/third_party/xz-4.999.9beta/m4/acx_pthread.m4
License: GPL-3+
-
Glob: plugin/auth_pam/testing/pam_mariadb_mtr.c
License: public-domain
-
Glob: plugin/locale_info/locale_info.cc  plugin/qc_info/qc_info.cc
License: BSD-3-clause
-
Glob: mysys/waiting_threads.c
Copyright:
  - 2011, 2013, Monty Program Ab,
  - 2008 MySQL AB,
  - 2008-2009 Sun Microsystems, Inc
-
Glob: storage/innobase/ut/ut0crc32.cc  storage/xtradb/ut/ut0crc32.cc
License: GPL-2 and BSD-2-clause
-
Glob: storage/oqgraph/graphcore-graph.h  storage/oqgraph/graphcore-graph.cc \ storage/oqgraph/graphcore-types.h  storage/oqgraph/graphcore-config.h  storage/oqgraph/graphcore.cc \ storage/oqgraph/oqgraph_judy.*  storage/oqgraph/oqgraph_shim.*  storage/oqgraph/oqgraph_thunk.*
License: GPL-2+
-
Glob: include/maria.h  include/myisamchk.h
License: GPL-2+
-
Glob: storage/maria/ma_rt_index.c  storage/maria/ma_rt_mbr.c
storage/maria/ma_sp_defs.h  storage/maria/ma_rt_index.h  storage/maria/ma_rt_mbr.h
Copyright: MySQL AB, Ramil Kalimullin, MySQL Finland AB
-
Glob: extra/yassl*COPYING
Contains: Everyone is permitted to copy and distribute verbatim copies
CopyrightExtract: &extract Copyright\s+\([Cc]\)\s(Y+[\w\s.]+)\.
License: GPL-verbatim
-
Glob: storage/connect/CMakeLists.txt
VerifyLicense: GPL-2
-
Glob: storage/innobase/COPYING.*
CopyrightExtract: *extract
-
Glob: scripts/mysqlaccess.conf
This code implements the MD5 message-digest algorithm.
The algorithm is due to Ron Rivest. This code was
To compute the message digest of a chunk of bytes, declare an
MD5Context structure, pass it to MD5Init, call MD5Update as
needed on buffers full of bytes, and then call MD5Final, which
will fill a supplied 16-byte array with the digest.

/* This code was modified in 1997 by Jim Kingdon of Cyclic Software to
not require an integer type which is exactly 32 bits. This work
draws on the changes for the same purpose by Tatu Ylonen
<ylo@cs.hut.fi> as part of SSH, but since I didn't actually use
that code, there is no copyright issue. I hereby disclaim
copyright in any changes I have made; this code remains in the
public domain. */
License: GPL-2
Copyright: Copyright (C) 2000 MySQL AB
Justification: Seems to have been taken out of public domain by Oracle.

Glob: storage/ndb/test/include/getarg.h
MaxVersion: 5.5.30
Copyright: |
2003 MySQL AB
1997-1999 Kungliga Tekniska Hgskolan
License: BSD (3 clause) or GPL-2
Justification: Check the actual file but this looks like a dual-license to me

Glob: dbug/
Matches:
Copyright\s+Abandoned,\s+1987,\s+Fred\s+Fish\s+\*
\*
\*
\*
\*
\*
\*
This\s+previously\s+copyrighted\s+work\s+has\s+been\s+placed\s+into\s+the\s+public\s+domain\s+by\s+the\s+author\s+and\s+may\s+be\s+freely\s+used\s+for\s+any\s+purpose,\s+without\s+copyright\s+notice,\s+this\s+list\s+of\s+conditions\s+and\s+the\s+following\s+disclaimer.
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Std:
ChangeLog:
license: GPL-2+
Default:
rules:

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----------

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

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

University of Cambridge Computing Service,

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PCRE JUST-IN-TIME COMPILATION SUPPORT
----------------------------------------
STACK-LESS JUST-IN-TIME COMPILER

Written by: Zoltan Herczeg
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Email domain: freemail.hu

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Version 2.1, February 1999

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Christian Hammers <ch@debian.org>.

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Patch for Ubuntu bug #399071

Display the contents of `/etc/legal` as part of the MOTD, the first time the user logs in, and set a flag in the user's homedir if possible to prevent repeat displays.
Authors: Dustin Kirkland <kirkland@canonical.com>

Upstream status: Ubuntu-specific, maybe submit to Debian

Index: pam.ubuntu/modules/pam_motd/pam_motd.c

--- pam.ubuntu.orig/modules/pam_motd/pam_motd.c
+++ pam.ubuntu/modules/pam_motd/pam_motd.c
@@ -73,6 +73,61 @@
close(fd);
 }

+int display_legal(pam_handle_t *pamh)
+{
+ int retval = PAM_IGNORE, rc;
+ char *user = NULL;
+ char *dir = NULL;
+ char *flag = NULL;
+ struct passwd *pwd = NULL;
+ struct stat s;
+ int f;
+ /* Get the user name to determine if we need to print the disclaimer */
+ rc = pam_get_item(pamh, PAM_USER, &user);
+ if (rc == PAM_SUCCESS && user != NULL && *(const char *)user != '\0')
+ {
+ PAM_MODUTIL_DEF_PRIVS(privs);

+ /* Get the password entry */
+ pwd = pam_modutil_getpwnam (pamh, user);
+ if (pwd != NULL)
+ {
+ if (pam_modutil_drop_priv(pamh, &privs, pwd)) {
+ pam_syslog(pamh, LOG_ERR,
+ "Unable to change UID to %d temporarily\n",
+ pwd->pw_uid);
+ retval = PAM_SESSION_ERR;
+ goto finished;
+ }
+ }
+ if (asprintf(&dir, "%s/.cache", pwd->pw_dir) == -1 || !dir)
+ goto finished;
+ if (asprintf(&flag, "%s/motd.legal-displayed", dir) == -1 || !flag)
+ goto finished;
+ if (stat(flag, &s) != 0)
+ {
+ display_file(pamh, "/etc/legal");
+ goto finished;
+    mkdir(dir, 0700);
+    f = open(flag, O_WRONLY|O_CREAT|O_EXCL,
+           S_IRUSR|S_IWUSR|S_IRGRP|S_IROTH);
+    if (f>=0) close(f);
+ }
+
+finished:
+    if (pam_modutil_regain_priv(pamh, &privs)) {
+        pam_syslog(pamh, LOG_ERR,
+                   "Unable to change UID back to %d\n", privs.old_uid);
+        retval = PAM_SESSION_ERR;
+    }
+
+    _pam_drop(flag);
+    _pam_drop(dir);
+ }
+
+ return retval;
+
+}

PAM_EXTERN
int pam_sm_open_session(pam_handle_t *pamh, int flags,
int argc, const char **argv)
@@ -116,6 +171,9 @@
    /* Display the updated motd */
    display_file(pamh, motd_path);
+
    /* Display the legal disclaimer only if necessary */
    retval = display_legal(pamh);
    +    return retval;
    }

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

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* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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1.556 dumb-init 1.2.2-1.1

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Fri, 3 Aug 2001 10:00:42 +0200.
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It was downloaded from https://www.gnupg.org/ftp/gcrypt/gnutls/

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* based on the Russian Standard GOST R 34.11-94.
* English description in RFC 5831.
* See also RFC 4357.
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bzip2/libbzip2 version 1.0.6 of 6 September 2010

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man/errc.3bsd
man/explicit_bzero.3bsd
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<signature of Ty Coon>, 1 April 1990
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That's all there is to it!

1.562 libcom-err 1.42.9-16.el7
1.562.1 Available under license :

Index: tdbsa/tdb.c
===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
 */
 */
-   Unix SMB/CIFS implementation.
+   trivial database library - standalone version
- trivial database library - private includes

- Copyright (C) Andrew Tridgell 2005
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This is the Debian GNU/Linux prepackaged version of the ss command-line interface parsing library library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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/*
This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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

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

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

# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)

all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image::$(BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS) $(OBJS))
$(MV) pic/$($(MDLIB_IMAGE).so)$((MDLIB_VERSION))
$(RM) -f $(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) `echo $(my_dir) | sed -e 's;lib/;;'`/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB) $(BSD_LIB)

install-strip: install-shlibs

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)
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Theodore Ts'o
23-June-2007

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1.563 azure-mgmt-security 0.1.0

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1.564 python-dateutil 2.8.1

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1.565 libpammodulesbin 1.1.8-3.6ubuntu2.18.04.1

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Patch for Ubuntu bug #399071
Display the contents of /etc/legal as part of the MOTD, the first time the
user logs in, and set a flag in the user's homedir if possible to prevent
repeat displays.
Authors: Dustin Kirkland <kirkland@canonical.com>
Upstream status: Ubuntu-specific, maybe submit to Debian
Index: pam.ubuntu/modules/pam_motd/pam_motd.c
===================================================================
--- pam.ubuntu.orig/modules/pam_motd/pam_motd.c
+++ pam.ubuntu/modules/pam_motd/pam_motd.c
@@ -73,6 +73,61 @@
close(fd);
}
+int display_legal(pam_handle_t *pamh)
+{
+ int retval = PAM_IGNORE, rc;
+ char *user = NULL;
+ char *dir = NULL;
+ char *flag = NULL;
+ struct passwd *pwd = NULL;
+ struct stat s;
+ int f;
+ /* Get the user name to determine if we need to print the disclaimer */
+ rc = pam_get_item(pamh, PAM_USER, &user);
+ if (rc == PAM_SUCCESS && user != NULL && *(const char *)user != '\0')
+ {
+
PAM_MODUTIL_DEF_PRIVS(privs);
+
+
/* Get the password entry */
+
pwd = pam_modutil_getpwnam (pamh, user);
+
if (pwd != NULL)
+
{
+
if (pam_modutil_drop_priv(pamh, &privs, pwd)) {
+
pam_syslog(pamh, LOG_ERR,
+
"Unable to change UID to %d temporarily\n",
+
pwd->pw_uid);
+
retval = PAM_SESSION_ERR;
+
goto finished;
+
}
+
+
if (asprintf(&dir, "%s/.cache", pwd->pw_dir) == -1 || !dir)
+
goto finished;
+
if (asprintf(&flag, "%s/motd.legal-displayed", dir) == -1 || !flag)
+
goto finished;
+

Open Source Used In Cisco Container Platform 6.1.019177


if (stat(flag, &s) != 0)
{
    display_file(pamh, "/etc/legal");
    mkdir(dir, 0700);
    f = open(flag, O_WRONLY|O_CREAT|O_EXCL,
             S_IRUSR|S_IWUSR|S_IRGRP|S_IROTH);
    if (f>=0) close(f);
    
    finished:
    if (pam_modutil_regain_priv(pamh, &privs)) {
        pam_syslog(pamh, LOG_ERR,
                   "Unable to change UID back to %d\n", privs.old_uid);
        retval = PAM_SESSION_ERR;
        
        _pam_drop(flag);
        _pam_drop(dir);
    }

    return retval;

PAM_EXTERN
int pam_sm_open_session(pam_handle_t *pamh, int flags,
                        int argc, const char **argv)
@@ -116,6 +171,9 @@
    /* Display the updated motd */
    display_file(pamh, motd_path);

+ /* Display the legal disclaimer only if necessary */
+    retval = display_legal(pamh);
+    return retval;
+
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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
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This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla’s root certificates file (certdata.txt). This file can be found in the mozilla source tree:
It contains the certificates in PEM format and therefore
can be directly used with curl / libcurl / php_curl, or with
an Apache+mod_ssl webserver for SSL client authentication.
Just configure this file as the SSLCACertificateFile.#

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%(#) $RCSfile: certdata.txt,v $ $Revision: 1.80 $ $Date: 2011/11/03 15:11:58 $
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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](http://www.zope.com)). In 2001, the Python Software Foundation (PSF, see [http://www.python.org/psf/](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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compelled to copy the source along with the object code.

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Section 6 states terms for distribution of such executables.

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functions (ten lines or less in length), then the use of the object
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1.577 raf 3.4.1

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1.578 musl-utils 1.1.22

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GSS-API CFX, SPNEGO, naming extensions, API extensions.
KCM credential cache.
HDB LDAP backend.

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Fortuna in libhcrypto

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@heading Vincent Rijmen, Antoon Bosselaers, Paulo Barreto

AES in libhcrypto

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@version 3.0 (December 2000)
Optimised ANSI C code for the Rijndael cipher (now AES)

@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
@author Paulo Barreto <paulo.barreto@terra.com.br>

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DES core in libhcrypto

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D3DES (V5.09) -

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

(GEnie : OUTER; CIS : [71755,204]) Graven Imagery, 1992.

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Windows support

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lib/hcrypto/test_dh.c

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Local-Date: Fri, 06 Jun 2003 13:18:52 -0400
Date: Fri, 6 Jun 2003 10:18:52 -0700
From: Juan Gomez <juang@us.ibm.com>
To: Stephen Frost <sfrost@debian.org>
X-Mailer: Lotus Notes Release 5.0.2a (Intl) 23 November 1999
Subject: Re: Juan C. Gomez license in OpenLDAP Source

Stephen,

"There is no restriction on modifications and derived works" on the work I
did for the openldap server as long as this is consistent with the openldap
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changes to the files to reflect this.

Regards, Juan

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Local-Date: Thu, 05 Jun 2003 16:53:32 -0400
Date: Thu, 5 Jun 2003 16:53:32 -0400 (EDT)
From: Mark Adamson <adamson@andrew.cmu.edu>
To: Stephen Frost <sfrost@debian.org>
Subject: Re: Mark Adamson license in OpenLDAP source

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---
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* To: Stephen Frost <sfrost@snowman.net>
* Subject: Re: OpenLDAP Licenseing issues
* From: "Kurt D. Zeilenga" <Kurt@OpenLDAP.org>
* Date: Wed, 28 May 2003 10:55:44 -0700
* Cc: Steve Langasek <vorlon@netexpress.net>,debian-legal@lists.debian.org, openldap-devel@OpenLDAP.org
* In-reply-to: <20030528162613.GB8524@ns.snowman.net>
* Message-id: <5.2.0.9.0.20030528094229.02924780@127.0.0.1>
* Old-return-path: <Kurt@OpenLDAP.org>

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

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

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

c) Accompany the work with a written offer, valid for at least
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1.603 @babel/runtime 7.0.0

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1.605 libssh 0.9.0 4.el8

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1.610 libxi 2:1.7.9 1
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Files: src/udev/udev-ctrl.c
   src/udev/udevadm-hwdb.c
   src/udev/udev-builtin.c
   src/udev/udev-builtin-net_id.c
   src/udev/udev-builtin-net_setup_link.c
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   src/udev/net/link-config.h
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   src/udev/net/ethtool-util.h

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1.619 babel-plugin-syntax-dynamic-import

6.18.0

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1.620 google-cloud-container 0.3.0

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1.621 virtualenv-clone 0.5.3

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1.622 libnspr 2:4.20-1

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Andreas Henriksson <andreas@fatal.se> later reused the gnome-icon-theme packaging for the new adwaita-icon-theme package name.

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1.637 virtualenv 20.0.5

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1.638 git 1:2.17.1-1ubuntu0.6

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1.641 azure-loganalytics 0.1.0

1.642 sbsigntool 0.6 3.2ubuntu2
1.642.1 Available under license:
sbsigntool - utilities for signing UEFI binaries for use with secure boot.

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Manoj Srivastava <srivasta@debian.org>
arch-tag: d4250e44-a0e0-4ee0-adb9-2bd74f6eeb27

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**1.644 popt 1.16**

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1.645 virtualenv 20.0.18

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1.646 python3-5-minimal 3.5.3-1+deb9u1

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

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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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3.3  3.2  2012  PSF  yes

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

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

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Any feedback is very welcome.  
http://www.math.keio.ac.jp/matumoto/emt.html  
email: matumoto@math.keio.ac.jp

Sockets
The `socket' module uses the functions, `getaddrinfo', and `getnameinfo', which are coded in separate source files from the WIDE Project, `http://www.wide.ad.jp/about/index.html'.

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

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

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

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

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

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

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

Sockets
-------

The :mod:`socket` module uses the functions, :func:`getaddrinfo`, and :func:`getnameinfo`, which are coded in separate source files from the WIDE Project, http://www.wide.ad.jp/. ::

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

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---------

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Original location:
https://github.com/majek/csiphash/

Solution inspired by code from:
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  djb (supercop/crypto_auth/siphash24/little2)
  Jean-Philippe Aumasson (https://131002.net/siphash/siphash24.c)

strtod and dtoa
--------------

The file :file:`Python/dtoa.c`, which supplies C functions dtoa and strtod for conversion of C doubles to and from strings, is derived from the file of the same name by David M. Gay, currently available from http://www.netlib.org/fp/. The original file, as retrieved on March 16, 2009, contains the following copyright and licensing notice::

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zlib
----

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Jean-loup Gailly        Mark Adler
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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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 */

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#define UV_BSD_H

#define UV_PLATFORM_FS_EVENT_FIELDS                                           
    uv__io_t event_watcher;                                                     

#define UV_IO_PRIVATE_PLATFORM_FIELDS                                         
    int rcount;                                                                 
    int wcount;                                                                 

#define UV_HAVE_KQUEUE 1

#endif /* UV_BSD_H */

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**1.649 python-jsonpatch 1.19+really1.16-1fakesync1**

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2006-2008, Cyril Brulebois <cyril.brulebois@enst-bretagne.fr>

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1.653 basesystem 10.0 7.el7

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Summary: The skeleton package which defines a simple Red Hat Enterprise Linux system
Name: basesystem
Version: 10.0
Release: 7%{?dist}
License: Public Domain
Group: System Environment/Base
Requires(pre): setup filesystem
BuildRoot: %(mktemp -ud %{_tmppath}/%{name}-%{version}-%{release}-XXXXXX)
BuildArch: noarch

%description
Basesystem defines the components of a basic Red Hat Enterprise Linux system (for example, the package installation order to use during bootstrapping). Basesystem should be in every installation of a system.
1.654 libgd 2.2.5-4ubuntu0.3
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1.669 js-base64 2.5.1
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ANN: Approximate Nearest Neighbors
Version: 1.1.1
Release Date: Aug 4, 2006

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1.678 boost-program-options 1.69.0

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This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser.
The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM.
Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood.

Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code.

Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code.

Jesper Peterson (jep@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.

Thomas Funke (thf@zelator.in-berlin.de) and Brian D. Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.

Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.

Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied Linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs (detlefs@src.dec.com) also provided several generic bug fixes.

Alistair G. Crooks (agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports.

Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.

Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to a Motorola 88K processor running CX/UX (Harris NightHawk).

Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to nonIBM development environments (a nontrivial task).

Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.

David Chase, then at Olivetti Research, suggested several improvements.

Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the code to save and print call stacks for leak detection on a SPARC.

Jesse Hull and John Ellis supplied the C++ interface code.

Zhong Shao performed much of the experimentation that led to the current typed allocation facility. (His dynamic type inference code hasn't made it into the released version of the collector, yet.)

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The header `<boost/mp11 mpl.hpp>`, when included, defines the necessary support infrastructure for `mp_list` and `std::tuple` to be valid.

NOTE: `mpl.hpp` is not included by `<boost/mp11.hpp>`.

http_parser.c is based on src/http ngx_http_parse.c from NGINX copyright Igor Sysoev.

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X-Mailer: Lotus Notes Release 5.0.2a (Intl) 23 November 1999
Subject: Re: Juan C. Gomez license in OpenLDAP Source

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1.687 node.js 3.13.1

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### Details

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<td><strong>libcalico-go (bf00054ed881f40233e9f76e45f5a30ad0757028)</strong></td>
<td>Apache-2.0</td>
</tr>
<tr>
<td><strong>rfw (6f0aef3266ba1058df9eff0c94cd1cecd2e62852)</strong></td>
<td>MIT</td>
</tr>
<tr>
<td><strong>common (e3f8a11ac7f605367a2b378bc2e2f893e05174b7)</strong></td>
<td>Apache-2.0</td>
</tr>
</tbody>
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### Details

#### **envconfig (dd1402a4d99de9ac2f396cd6fcb957bc2c695ec1)**

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1.699 util-linux 2.31.1-0.4ubuntu3.6

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1.703 d3-timer 1.0.9

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1.705 libelf 0.170-0.4ubuntu0.1

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

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

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

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

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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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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.

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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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interactions:
- request:
  body: '{"tags": {"date": "2019-02-26T03:17:39Z", "product": "azurecli", "cause": "automation"}, "location": "westus"}
  headers:
    Accept: [application/json]
    Accept-Encoding: ['gzip, deflate']
    CommandName: [group create]
    Connection: [keep-alive]
    Content-Length: ['110']
    Content-Type: [application/json; charset=utf-8]
    ParameterSetName: [--location --name --tag]
    User-Agent: [python/3.5.2 (Windows-10-10.0.17763-SP0) msrest/0.6.2 msrest_azure/0.4.34 resourcemanagementclient/2.1.0 Azure-SDK-For-Python AZURECLI/2.0.58]
    accept-language: [en-US]
    method: PUT
response:
  body: '{"id":/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001","name":cli_test_windows_license_type000001","location":"westus","tags":{"date":"2019-02-26T03:17:39Z","product":"azurecli","cause":"automation"},"properties":{"provisioningState":"Succeeded"}}
  headers:
    cache-control: [no-cache]
    content-length: ['384']
    content-type: [application/json; charset=utf-8]
    date: ['Tue, 26 Feb 2019 03:17:40 GMT']
    expires: ['-1']
    pragma: [no-cache]
    strict-transport-security: [max-age=31536000; includeSubDomains]
    x-content-type-options: [nosniff]
    x-ms-ratelimit-remaining-subscription-writes: ['1199']
    status: {code: 201, message: Created}
- request:
  body: null
  headers:
    Accept: [application/json]
    Accept-Encoding: ['gzip, deflate']
    CommandName: [vm create]
    Connection: [keep-alive]
ParameterSetName: [-g -n --image --admin-username --admin-password --license-type]
User-Agent: [python/3.5.2 (Windows-10-10.0.17763-SP0) msrest/0.6.2 msrest_azure/0.4.34
             resourcemanagementclient/2.1.0 Azure-SDK-For-Python AZURECLI/2.0.58]
accept-language: [en-US]
method: GET
uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-
000000000000/resourcegroups/cli_test_windows_license_type000001?api-version=2018-05-01
response:
  body: {"id":"/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001","name":"cli_test_windows_license_type000001","location":"westus","tags":{"date":"2019-02-26T03:17:39Z","product":"azurecli","cause":"automation"},"properties":{"provisioningState":"Succeeded"}}
headers:
  cache-control: [no-cache]
  content-length: ['384']
  content-type: [application/json; charset=utf-8]
  date: ['Tue, 26 Feb 2019 03:17:40 GMT']
  expires: ['-1']
  pragma: [no-cache]
  strict-transport-security: [max-age=31536000; includeSubDomains]
  vary: [Accept-Encoding]
  x-content-type-options: [nosniff]
status: {code: 200, message: OK}
request:
  body: null
  headers:
    Accept: ['*/*']
    Accept-Encoding: ['gzip, deflate']
    Connection: [keep-alive]
    User-Agent: [python-requests/2.21.0]
  method: GET
uri: https://raw.githubusercontent.com/Azure/azure-rest-api-specs/master/arm-compute/quickstart-
templates/aliases.json
response:
  body: {
    "$schema": "http://schema.management.azure.com/schemas/2015-01-
01/deploymentTemplate.json"
    "contentVersion": "1.0.0.0",
    "parameters": {},
    "variables": {},
    "resources": [],
    "outputs": {
      "aliases": {
        "Linux": {
          "CentOS": {
            "publisher": "OpenLogic",
            "offer": "CentOS",
            "sku": "7.5",
            "version": "latest"
          },
          "CoreOS": {
            "publisher": "CoreOS",
            "offer": "CoreOS",
            "sku": "Stable",
            "version": "latest"
          },
          "Debian": {
            "publisher": "credativ",
            "offer": "Debian",
            "sku": "9",
            "version": "latest"
          },
          "openSUSE-Leap": {
            "publisher": "SUSE",
            "offer": "openSUSE-Leap",
            "sku": "42.3"
          }
        },
        "openSUSE-Leap": {
          "publisher": "SUSE",
          "offer": "openSUSE-Leap",
          "sku": "42.3"
        }
      }
    }
  }

null

"version": "latest",
"RHEL": {
  "publisher": "RedHat",
  "offer": "RHEL",
  "sku": "7-RAW",
  "version": "latest"
},

"SLES": {
  "publisher": "SUSE",
  "offer": "SLES",
  "sku": "15",
  "version": "latest"
},

"UbuntuLTS": {
  "publisher": "Canonical",
  "offer": "UbuntuServer",
  "sku": "18.04-LTS",
  "version": "latest"
},

"Windows": {
  "Win2019Datacenter": {
    "publisher": "MicrosoftWindowsServer",
    "offer": "WindowsServer",
    "sku": "2019-Datacenter",
    "version": "latest"
  },
  "Win2016Datacenter": {
    "publisher": "MicrosoftWindowsServer",
    "offer": "WindowsServer",
    "sku": "2016-Datacenter",
    "version": "latest"
  },
  "Win2012R2Datacenter": {
    "publisher": "MicrosoftWindowsServer",
    "offer": "WindowsServer",
    "sku": "2012-R2-Datacenter",
    "version": "latest"
  },
  "Win2012Datacenter": {
    "publisher": "MicrosoftWindowsServer",
    "offer": "WindowsServer",
    "sku": "2012-Datacenter",
    "version": "latest"
  },
  "Win2008R2SP1": {
    "publisher": "MicrosoftWindowsServer",
    "offer": "WindowsServer",
    "sku": "2008-R2-SP1",
    "version": "latest"
  }
}

headers:
accept-ranges: [bytes]
access-control-allow-origin: ['*']
cache-control: [max-age=300]
connection: [keep-alive]
content-length: [2433]
content-security-policy: [default-src 'none'; style-src 'unsafe-inline'; sandbox]
content-type: [text/plain; charset=utf-8]
date: ['Tue, 26 Feb 2019 03:17:41 GMT']
etag: ['"f5944d69cdbfb4a2bb2ddda8c5f050bde5bbcb32"']
expires: ['Tue, 26 Feb 2019 03:22:41 GMT']
source-age: ['0']
strict-transport-security: [max-age=31536000]
 tantra: ['Authorization, Accept-Encoding']
via: [1.1 varnish]
x-cache: [MISS]
x-cache-hits: ['0']
x-content-type-options: [nosniff]
x-fastly-request-id: ['46361e45a1dcch3ea27f1f81253690fab7290c7a']
x-frame-options: [deny]
x-geo-block-list: ['']
x-github-request-id: ['3D10:6E77:3DA9F:4271E:5C74AFD5']
x-served-by: [cache-dfw18642-DFW]
response:
  body: {string: '{"status":"Running"}'}
  headers:
    cache-control: [no-cache]
    content-length: ['20']
    content-type: [application/json; charset=utf-8]
    date: ['Tue, 26 Feb 2019 03:18:15 GMT']
    expires: ['-1']
    pragma: [no-cache]
    strict-transport-security: [max-age=31536000; includeSubDomains]
    vary: [Accept-Encoding]
    x-content-type-options: [nosniff]
    status: {code: 200, message: OK}
- request:
  body: null
  headers:
    Accept: [application/json]
    Accept-Encoding: ['gzip, deflate']
    CommandName: [vm create]
    Connection: [keep-alive]
    ParameterSetName: [-g -n --image --admin-username --admin-password --license-type]
    User-Agent: [python/3.5.2 (Windows-10-10.0.17763-SP0) msrest/0.6.2 msrest_azure/0.4.34 resourcemanagementclient/2.1.0 Azure-SDK-For-Python AZURECLI/2.0.58]
    method: GET
response:
  body: {string: '{"status":"Running"}'}
  headers:
    cache-control: [no-cache]
    content-length: ['20']
    content-type: [application/json; charset=utf-8]
    date: ['Tue, 26 Feb 2019 03:18:45 GMT']
    expires: ['-1']
    pragma: [no-cache]
    strict-transport-security: [max-age=31536000; includeSubDomains]
    vary: [Accept-Encoding]
    x-content-type-options: [nosniff]
    status: {code: 200, message: OK}
- request:
  body: null
  headers:
    Accept: [application/json]
    Accept-Encoding: ['gzip, deflate']
date: ['Tue, 26 Feb 2019 03:20:46 GMT']
expires: ['-1']
pragma: [no-cache]
strict-transport-security: [max-age=31536000; includeSubDomains]
vary: [Accept-Encoding]
x-content-type-options: [nosniff]
status: {code: 200, message: OK}

- request:
  body: null
  headers:
    Accept: [application/json]
    Accept-Encoding: ['gzip, deflate']
    CommandName: [vm create]
    Connection: [keep-alive]
    ParameterSetName: [-g -n --image --admin-username --admin-password --license-type]
    User-Agent: [python/3.5.2 (Windows-10-10.0.17763-SPO) msrest/0.6.2 msrest_azure/0.4.34]
    method: GET
    uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-000000000000/resourcegroups/cli_test_windows_license_type000001/providers/Microsoft.Resources/deployments/vm_deploy_HHGHTXZygw6HJGV9HwQz0HlHZrIIdABz"],"name":"vm_deploy_HHGHTXZygw6HJGV9HwQz0HlHZrIIdABz","properties":{"templateHash":"10475465592193998142","parameters":{"adminPassword":{"type":"SecureString"}}},"mode":"Incremental","provisioningState":"Succeeded","timestamp":"2019-02-26T03:20:26.7071807Z","duration":"PT2M42.9378109S","correlationId":"6f7f4825-4f48-45d4-97d6-df73c29af4e4","providers:[{"namespace":"Microsoft.Network","resourceTypes":[]}]}

response:

```json
{"id":"/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Resources/deployments/vm_deploy_HHGHTXZygw6HJGV9HwQz0HlHZrIIdABz","name":"vm_deploy_HHGHTXZygw6HJGV9HwQz0HlHZrIIdABz","properties":{"templateHash":"10475465592193998142","parameters":{"adminPassword":{"type":"SecureString"}}},"mode":"Incremental","provisioningState":"Succeeded","timestamp":"2019-02-26T03:20:26.7071807Z","duration":"PT2M42.9378109S","correlationId":"6f7f4825-4f48-45d4-97d6-df73c29af4e4","providers:[{"namespace":"Microsoft.Network","resourceTypes":[]}]}
```
yGroups/winvmNSG\"\
\r\n },\r\n \"primary\": true,\r\n \"virtualMachine\": {\r\n \
\ \"id\": \"/subscriptions/00000000-0000-0000-0000000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Compute/virtualMachin
es/winvm\"\
\r\n }\r\n },\r\n \"type\": \"Microsoft.Network/networkInterfaces\"\r\
\n}"}
headers:
cache-control: [no-cache]
content-length: ['2588']
content-type: [application/json; charset=utf-8]
date: ['Tue, 26 Feb 2019 03:20:48 GMT']
etag: [W/"aace3af7-c782-4f67-aff5-58d640671736"]
expires: ['-1']
pragma: [no-cache]
server: [Microsoft-HTTPAPI/2.0, Microsoft-HTTPAPI/2.0]
strict-transport-security: [max-age=31536000; includeSubDomains]
transfer-encoding: [chunked]
vary: [Accept-Encoding]
x-content-type-options: [nosniff]
status: {code: 200, message: OK}
- request:
body: null
headers:
Accept: [application/json]
Accept-Encoding: ['gzip, deflate']
CommandName: [vm create]
Connection: [keep-alive]
ParameterSetName: [-g -n --image --admin-username --admin-password --license-type]
User-Agent: [python/3.5.2 (Windows-10-10.0.17763-SP0) msrest/0.6.2 msrest_azure/0.4.34
networkmanagementclient/2.4.0 Azure-SDK-For-Python AZURECLI/2.0.58]
accept-language: [en-US]
method: GET
uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/publicIPAddre
sses/winvmPublicIP?api-version=2017-10-01
response:
body: {string: "{\r\n \"name\": \"winvmPublicIP\",\r\n \"id\": \"/subscriptions/00000000-0000-0000-0000000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/publicIPAddre
sses/winvmPublicIP\"\
,\r\n \"etag\": \"W/\\\"c1866c09-7047-4782-9b90-77b784dde997\\\"\",\r\n \
\ \"location\": \"westus\",\r\n \"tags\": {},\r\n \"properties\": {\r\n\
\ \"provisioningState\": \"Succeeded\",\r\n \"resourceGuid\": \"d4af86c3-2170-465b-a3a0-67a1e0c6de60\"\
,\r\n \"ipAddress\": \"104.42.172.141\",\r\n \"publicIPAddressVersion\"\
: \"IPv4\",\r\n \"publicIPAllocationMethod\": \"Dynamic\",\r\n \"idleTimeoutInMinutes\"\
: 4,\r\n \"ipTags\": [],\r\n \"ipConfiguration\": {\r\n
\"id\"\
: \"/subscriptions/00000000-0000-0000-0000000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/networkInterfa

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Open Source Used In Cisco Container Platform 6.1.021986
"adminUsername": "clitest1234",
"windowsConfiguration":
  "provisionVMAgent": true,
  "enableAutomaticUpdates": true,
"secrets": [],
"networkProfile":
  "networkInterfaces": [{
    "id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/networkInterfaces/winvmVMNic"
  }],
"licenseType": "Windows_Server",
"provisioningState": "Succeeded"
}"}

headers:
  cache-control: [no-cache]
  content-length: ['1832']
  content-type: [application/json; charset=utf-8]
  date: ['Tue, 26 Feb 2019 03:20:49 GMT']
  expires: ['-1']
  pragma: [no-cache]
  server: [Microsoft-HTTPAPI/2.0, Microsoft-HTTPAPI/2.0]
  strict-transport-security: [max-age=31536000; includeSubDomains]
  transfer-encoding: [chunked]
  vary: [Accept-Encoding]
  x-content-type-options: [nosniff]
  x-ms-ratelimit-remaining-resource:
["Microsoft.Compute/LowCostGet3Min;3989,Microsoft.Compute/LowCostGet30Min;31942"]
  status: {code: 200, message: OK}

- request:
  body: null
  headers:
    Accept: [application/json]
    Accept-Encoding: ['gzip, deflate']
    CommandName: [vm update]
    Connection: [keep-alive]
    ParameterSetName: [-g -n --license-type]
    User-Agent: [python/3.5.2 (Windows-10-10.0.17763-SP0) msrest/0.6.2 msrest_azure/0.4.34 computeemanagementclient/4.4.0 Azure-SDK-For-Python AZURECLI/2.0.58]
    accept-language: [en-US]
  method: GET
  uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Compute/virtualMachines/winvm?api-version=2017-12-01

response:
  body: |
    {"properties": {"vmId": "11313825-2d92-4811-ae5b-43bcc0c2ba97","hardwareProfile": {"vmSize": "Standard_DS1_v2"},
    "storageProfile": {"imageReference": {"publisher": "MicrosoftWindowsServer","offer": "WindowsServer","sku": "2012-R2-Datacenter"}}
  }"}
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version": \"latest\"},\n   "osDisk": {\n      "name": \"winvm_OsDisk_1_fefa7c069060456b9e317142169ddeff\"
   },\n   "createOption": \"FromImage\",\n   "caching": \"ReadWrite\",\n   "managedDisk": {\n      "storageAccountType": \"Premium_LRS\",\n      "id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Compute/disks/winvm_OsDisk_1_fefa7c069060456b9e317142169ddeff",
      "diskSizeGB": 127
   },\n   "dataDisks": [],\n   "osProfile": {\n      "computerName": \"winvm\",\n      "adminUsername": \"clitest1234\",\n      "windowsConfiguration": {\n         "provisionVMAgent": true,\n         "enableAutomaticUpdates": true
      },\n      "secrets": [],\n      "networkProfile": {\n         "networkInterfaces": [\n            {\n               "id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Compute/networkInterfaces/winvmVMNic",
               "name": \"winvm\"
            }
         ]
      }
   },\n   "licenseType": \"Windows_Server\",\n   "provisioningState": \"Succeeded\"
},\n"type": \"Microsoft.Compute/virtualMachines\",\n"location": \"westus\",\n"tags": {},\n"id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Compute/virtualMachines/winvm"
}

headers:
cache-control: [no-cache]
content-length: [1832]
content-type: [application/json; charset=utf-8]
date: [Tue, 26 Feb 2019 03:20:49 GMT]
expires: [-1]
pragma: [no-cache]
server: [Microsoft-HTTPAPI/2.0, Microsoft-HTTPAPI/2.0]
strict-transport-security: [max-age=31536000; includeSubDomains]
transfer-encoding: [chunked]
vary: [Accept-Encoding]
x-content-type-options: [nosniff]
x-ms-ratelimit-remaining-resource: [
   'Microsoft.Compute/LowCostGet3Min;3988,Microsoft.Compute/LowCostGet30Min;31941'
]
status: [code: 200, message: OK]

- request:
  body: b'"tags": [], "properties": {"networkProfile": {"networkInterfaces": [{"id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Compute/networkInterfaces/winvmVMNic"}]], "osProfile": {"secrets": [], "windowsConfiguration": {"provisionVMAgent": true, "enableAutomaticUpdates": true, "adminUsername": "clitest1234", "computerName": "winvm"}, "hardwareProfile": {"vmSize": "Standard_DS1_v2"}, "licenseType": "None", "storageProfile": {"osDisk": {"caching": "ReadWrite", "osType": "Windows", "managedDisk": {"storageAccountType": "Premium_LRS", "id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Compute/disks/winvm_OsDisk_1_fefa7c069060456b9e317142169ddeff"},

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"createOption": "FromImage", "name": "winvm_OsDisk_1_fefa7c069060456b9e317142169ddeff", "diskSizeGB": 127], "imageReference": {
  "publisher": "MicrosoftWindowsServer",
  "offer": "WindowsServer", "sku": "2012-R2-Datacenter", "version": "latest"},
  "dataDisks": []}, "location": "westus"}"

headers:
Accept: [application/json]
Accept-Encoding: [gzip, deflate]
CommandName: [vm update]
Connection: [keep-alive]
Content-Length: [1172]
Content-Type: [application/json; charset=utf-8]
ParameterSetName: [-g -n --license-type]
User-Agent: [python/3.5.2 (Windows-10-10.0.17763-SP0) msrest/0.6.2 msrest_azure/0.4.34
computemanagementclient/4.4.0 Azure-SDK-For-Python AZURECLI/2.0.58]
accept-language: [en-US]
method: [PUT]
uri: [https://management.azure.com/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Compute/virtualMachines/winvm?api-version=2017-12-01]

response:

body: [string: '{
  "properties": {
    "vmId": "11313825-2d92-4811-ae5b-43bcc0c2ba97",
    "hardwareProfile": {
      "vmSize": "Standard_DS1_v2"
    },
    "storageProfile": {
      "imageReference": {"publisher": "MicrosoftWindowsServer",
      "offer": "WindowsServer",
      "sku": "2012-R2-Datacenter",
      "version": "latest"},
      "osDisk": {
        "osType": "Windows",
        "name": "winvm_OsDisk_1_fefa7c069060456b9e317142169ddeff",
        "createOption": "FromImage",
        "caching": "ReadWrite",
        "managedDisk": {
          "storageAccountType": "Premium_LRS",
          "id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Compute/disks/winvm_OsDisk_1_fefa7c069060456b9e317142169ddeff"
        },
        "diskSizeGB": 127
      },
      "dataDisks": []
    },
    "osProfile": {
      "computerName": "winvm",
      "adminUsername": "clitest1234",
      "windowsConfiguration": {
        "provisionVMAgent": true,
        "enableAutomaticUpdates": true
      },
      "secrets": [],
      "networkProfile": {
        "networkInterfaces": [{
          "id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/networkInterfaces/winvmVMNic"
        }]
      }
    },
    "licenseType": "None",
    "provisioningState": "Updating"
  },
  "type": "Microsoft.Compute/virtualMachines",
  "location": "westus",
  "tags": {},
  "id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/networkInterfaces/winvmVMNic"
}]
headers:
azure-asyncnotification: [Enabled]
User-Agent: [python-requests/2.21.0]
method: GET
response:
body: |
  
  "\n  
  "$schema":"http://schema.management.azure.com/schemas/2015-01-01/deploymentTemplate.json"
  
  ,
  
  "contentVersion":"1.0.0.0",
  
  "parameters":{}
  
  "variables":{}
  
  "type":"object",
  
  "value":{

    "Linux":{
      "CentOS":{
        "publisher":"OpenLogic",
        "offer":"CentOS",
        "sku":"7.5",
        "version":"latest"
      },
      "CoreOS":{
        "publisher":"CoreOS",
        "offer":"CoreOS",
        "sku":"Stable",
        "version":"latest"
      },
      "Debian":{
        "publisher":"credativ",
        "offer":"Debian",
        "sku":"9",
        "version":"latest"
      },
      "openSUSE-Leap": {
        "publisher":"SUSE",
        "offer":"openSUSE-Leap",
        "sku":"42.3",
        "version":"latest"
      },
      "RHEL":{
        "publisher":"RedHat",
        "offer":"RHEL",
        "sku":"7-RAW",
        "version":"latest"
      },
      "SLES":{
        "publisher":"SUSE",
        "offer":"SLES",
        "sku":"15",
        "version":"latest"
      },
      "UbuntuLTS":{
        "publisher":"Canonical",
        "offer":"UbuntuServer",
        "sku":"18.04-LTS",
        "version":"latest"
      },
      "Windows":{
        "publisher":"MicrosoftWindowsServer",
        "offer":"WindowsServer",
        "sku":"2019-Datacenter",
        "version":"latest"
      },
      "Win2016Datacenter":{
        "publisher":"MicrosoftWindowsServer",
        "offer":"WindowsServer",
        "sku":"2016-Datacenter",
        "version":"latest"
      },
      "Win2012R2Datacenter":{
        "publisher":"MicrosoftWindowsServer",
        "offer":"WindowsServer",
        "sku":"2012-R2-Datacenter",
        "version":"latest"
      },
      "Win2012Datacenter":{
        "publisher":"MicrosoftWindowsServer",
        "offer":"WindowsServer",
        "sku":"2012-Datacenter",
        "version":"latest"
      },
      "Win2008R2SP1":{
        "publisher":"MicrosoftWindowsServer",
        "offer":"WindowsServer",
        "sku":"2008-R2-SP1",
        "version":"latest"
      }
    }
  }
}
"sku": {"name": "Standard_DS1_v2", "capacity": 1}, "tags": {}, "apiVersion":
"2017-12-01", "location": "westus", "name": "winvmss", "properties": {"singlePlacementGroup":
null, "overprovision": true, "upgradePolicy": {"mode": "manual"}, "virtualMachineProfile":
{"networkProfile": {"networkInterfaceConfigurations": [{"name": "winvmcdd3Nic",
"properties": {"ipConfigurations": [{"name": "winvmcdd3IPConfig", "properties":
{"loadBalancerInboundNatPools": [{"id": "/subscriptions/00000000-0000-0000-0000000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/loadBalancers/
winvmssLB/inboundNatPools/winvmssLBNatPool"}],
"loadBalancerBackendAddressPools": [{"id": "/subscriptions/00000000-0000-0000-0000000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/loadBalancers/
winvmssLB/backendAddressPools/winvmssLBBEPool"}],
"subnet": {"id": "/subscriptions/00000000-0000-0000-0000000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/virtualNetwork
s/winvmVNET/subnets/winvmSubnet"}}}],
"primary": "true"}}]}, "osProfile": {"computerNamePrefix": "winvmcdd3", "adminPassword":
"[parameters(\''adminPassword\'')]", "adminUsername": "clitest1234"}, "licenseType":
"Windows_Server", "storageProfile": {"osDisk": {"caching": "ReadWrite", "managedDisk":
{"storageAccountType": null}, "createOption": "FromImage"}, "imageReference":
{"publisher": "MicrosoftWindowsServer", "offer": "WindowsServer", "sku": "2012-R2-Datacenter",
"version": "latest"}}}}, "type": "Microsoft.Compute/virtualMachineScaleSets"}],
"outputs": {"VMSS": {"value": "[reference(resourceId(\''Microsoft.Compute/virtualMachineScaleSets\'',
\''winvmss\''),providers(\''Microsoft.Compute\'', \''virtualMachineScaleSets\'').apiVersions[0])]",
"type": "object"}}, "contentVersion": "1.0.0.0", "parameters": {"adminPassword":
{"metadata": {"description": "Secure adminPassword"}, "type": "securestring"}}}}}'''
headers:
Accept: [application/json]
Accept-Encoding: ['gzip, deflate']
CommandName: [vmss create]
Connection: [keep-alive]
Content-Length: ['3508']
Content-Type: [application/json; charset=utf-8]
ParameterSetName: [-g -n --image --admin-username --admin-password --license-type
--instance-count]
User-Agent: [python/3.5.2 (Windows-10-10.0.17763-SP0) msrest/0.6.2 msrest_azure/0.4.34
resourcemanagementclient/2.1.0 Azure-SDK-For-Python AZURECLI/2.0.58]
accept-language: [en-US]
method: PUT
uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000000000000000/resourcegroups/cli_test_windows_license_type000001/providers/Microsoft.Resources/deployments/
mock-deployment?api-version=2018-05-01
response:
body: {string: '{"id":"/subscriptions/00000000-0000-0000-0000000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Resources/deployments/
vmss_deploy_IZbWgcgMATmIapsHnKBBxBq68fUj2hh2","name":"vmss_deploy_IZbWgcgMATmIapsHnKBBxB
q68fUj2hh2","properties":{"templateHash":"7103018881732556270","parameters":{"adminPassword":{"type":"Sec
ureString"}},"mode":"Incremental","provisioningState":"Accepted","timestamp":"2019-0226T03:21:25.6051446Z","duration":"PT1.0048434S","correlationId":"ab953c4b-6891-4093-a79a-

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794e65a0ad79", "providers": [{"namespace": "Microsoft.Network", "resourceTypes": [{"resourceType": "publicIPAddresses", "locations": ["westus"]}, {"resourceType": "loadBalancers", "locations": ["westus"]}], "dependencies": [{"dependsOn": [{"id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/winvmssLBPublicIP/providers/Microsoft.Network/publicIPAddresses", "resourceName": "winvmssLBPublicIP"}]}], "resourceTypes": [{"resourceType": "virtualMachineScaleSets", "locations": ["westus"]}]
}, {
"namespace": "Microsoft.Compute", "resourceTypes": [{"resourceType": "virtualMachineScaleSets", "locations": ["westus"]}]
], "dependencies": [{"dependsOn": [{"id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/winvmssLBPublicIP/providers/Microsoft.Network/publicIPAddresses", "resourceName": "winvmssLBPublicIP"}]
}, {
}
]

headers:
  azure-asyncoperation: ['https://management.azure.com/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Patterns/operations/vmss_deploy_L2BWhcgMATmIapsHnKBBxBq68fUj2hh2?api-version=2018-05-01']
  cache-control: [no-cache]
  content-length: ['2080']
  content-type: [application/json; charset=utf-8]
  date: ['Tue, 26 Feb 2019 03:21:25 GMT']
  expires: ['-1']
  pragma: [no-cache]
  strict-transport-security: [max-age=31536000; includeSubDomains]
  x-content-type-options: [nosniff]
  x-ms-ratelimit-remaining-subscription-writes: ['1198']
  status: {code: 201, message: Created}

- request:
  body: null
  headers:
    Accept: [application/json]
    Accept-Encoding: ['gzip, deflate']
    CommandName: [vmss create]
    Connection: [keep-alive]
    ParameterSetName: [-g -n --image --admin-username --admin-password --license-type --instance-count]
    User-Agent: [python/3.5.2 (Windows-10-10.0.17763-SP0) msrest/0.6.2 msrest_azure/0.4.34 resourcemanagementclient/2.1.0 Azure-SDK-For-Python AZURECLI/2.0.58]
    method: GET
    uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Patterns/operations/vmss_deploy_L2BWhcgMATmIapsHnKBBxBq68fUj2hh2?api-version=2018-05-01

response:
  body: {string: '{"status":"Running"}'}
winvmssLB/inboundNatPools/winvmssLBNatPool\"\
}]}}]}}]},\r\n
\"licenseType\": \"Windows_Server\"\r\n },\r\n \"\
provisioningState\": \"Succeeded\",\r\n \"overprovision\": true,\r\n \
\ \"uniqueId\": \"59fe0b36-aeca-4b3f-8c4c-984e6f0d7208\"\r\n },\r\n \"\
type\": \"Microsoft.Compute/virtualMachineScaleSets\",\r\n \"location\":\
\ \"westus\",\r\n \"tags\": {},\r\n \"id\": \"/subscriptions/00000000-0000-0000-0000000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Compute/virtualMachin
eScaleSets/winvmss\"\
,\r\n \"name\": \"winvmss\"\r\n}"}
headers:
cache-control: [no-cache]
content-length: ['2573']
content-type: [application/json; charset=utf-8]
date: ['Tue, 26 Feb 2019 03:24:28 GMT']
expires: ['-1']
pragma: [no-cache]
server: [Microsoft-HTTPAPI/2.0, Microsoft-HTTPAPI/2.0]
strict-transport-security: [max-age=31536000; includeSubDomains]
transfer-encoding: [chunked]
vary: [Accept-Encoding]
x-content-type-options: [nosniff]
x-ms-ratelimit-remaining-resource:
['Microsoft.Compute/GetVMScaleSet3Min;188,Microsoft.Compute/GetVMScaleSet30Min;1202']
status: {code: 200, message: OK}
- request:
body: 'b''{"sku": {"name": "Standard_DS1_v2", "capacity": 1, "tier": "Standard"},
"tags": {}, "properties": {"singlePlacementGroup": true, "overprovision": true,
"upgradePolicy": {"automaticOSUpgrade": false, "mode": "Manual"}, "virtualMachineProfile":
{"networkProfile": {"networkInterfaceConfigurations": [{"name": "winvmcdd3Nic",
"properties": {"dnsSettings": {"dnsServers": []}, "ipConfigurations": [{"name":
"winvmcdd3IPConfig", "properties": {"loadBalancerInboundNatPools": [{"id": "/subscriptions/00000000-00000000-0000000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/loadBalancers/
winvmssLB/inboundNatPools/winvmssLBNatPool"}],
"privateIPAddressVersion": "IPv4", "loadBalancerBackendAddressPools": [{"id":
"/subscriptions/00000000-0000-0000-0000000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/loadBalancers/
winvmssLB/backendAddressPools/winvmssLBBEPool"}],
"subnet": {"id": "/subscriptions/00000000-0000-0000-0000000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/virtualNetwork
s/winvmVNET/subnets/winvmSubnet"}}}],
"primary": true, "enableAcceleratedNetworking": false, "enableIPForwarding":
false}}]}, "osProfile": {"computerNamePrefix": "winvmcdd3", "secrets": [], "windowsConfiguration":
{"provisionVMAgent": true, "enableAutomaticUpdates": true}, "adminUsername":
"clitest1234"}, "licenseType": "None", "storageProfile": {"osDisk": {"caching":
"ReadWrite", "managedDisk": {"storageAccountType": "Premium_LRS"}, "createOption":
"FromImage"}, "imageReference": {"publisher": "MicrosoftWindowsServer", "offer":
"WindowsServer", "sku": "2012-R2-Datacenter", "version": "latest"}}}}, "location":

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Accept: [application/json]
Accept-Encoding: ['gzip, deflate']
CommandName: [vmss update]
Connection: [keep-alive]
ParameterSetName: [-g -n --license-type]
User-Agent: [python/3.5.2 (Windows-10-10.0.17763-SPO) msrest/0.6.2 msrest_azure/0.4.34
computemanagementclient/4.4.0 Azure-SDK-For-Python AZURECLI/2.0.58]
methode: GET
uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Compute/virtualMachineScaleSets/winvmss/api-version=2017-12-01
response:

```json
body: {string: "{\n  "sku": {\n    "name": "Standard_DS1_v2",\n    "tier": "Standard",\n    "capacity": 1 \n  },\n  "properties": \n    {\n      "singlePlacementGroup": true,\n      "upgradePolicy": {\n        "model": "Manual",\n        "automaticOSUpgrade": false \n      },\n      "virtualMachineProfile": {\n        "osProfile": {\n          "computerNamePrefix": "winvmcdd3",\n          "adminUsername": "clitest1234",\n          "windowsConfiguration": {\n            "provisionVMAgent": true,\n            "enableAutomaticUpdates": true \n          },\n          "storageProfile": {\n            "createOption": "FromImage",\n            "caching": "ReadWrite",\n            "managedDisk": {\n              "storageAccountType": "Premium_LRS" \n            },\n            "imageReference": {\n              "publisher": "MicrosoftWindowsServer",\n              "offer": "WindowsServer",\n              "version": "latest",\n              "sku": {\n                "name": "2012-R2-Datacenter",\n                "version": "latest",\n                "id": [\n                  {"name": "winvmcdd3Nic","properties": {"primary": true,"enableAcceleratedNetworking": false,"dnsSettings": {"dnsServers": []},"enableIPForwarding": false,"ipConfigurations": [{"name": "winvmcdd3IPConfig","properties": {"subnet": {"id": ["00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/virtualNetworks/winvmVNET/subnets/winvmSubnet"]},"privateIPAddressVersion": "IPv4","loadBalancerBackendAddressPools": ["00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/loadBalancers/winvmssLB/backendAddressPools/winvmssLBBEPool"]}],"loadBalancerInboundNatPools": ["00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/loadBalancers/winvmssLB/inboundNatPools/winvmssLBNatPool"]}},\n      "licenseType": "None",\n      "provisioningState": "Succeeded",\n      "overprovision": true,\n      "uniqueId": "59fe0b36-aeca-4b3f-8c4c-984e6f0d7208",\n      "location": "westus",\n      "tags": {},\n      "id": ["00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Compute/virtualMachineScaleSets/winvmss"]
    }
  }
}
```
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interactions:
- request:
  body: null
  headers:
    Accept:
    - application/json
    Accept-Encoding:
    - gzip, deflate
  CommandName:
  - vm create
  Connection:
User-Agent:
- python-requests/2.22.0

method: GET


response:

body:

```

"contentVersion": "1.0.0.0",

"parameters": {},

"variables": {},

"resources": [],

"outputs": {

"aliases": {

"Linux": {

"CentOS": {

"publisher": "OpenLogic",

"offer": "CentOS",

"sku": "7.5",

"version": "latest"

},

"CoreOS": {

"publisher": "CoreOS",

"offer": "CoreOS",

"sku": "Stable",

"version": "latest"

},

"Debian": {

"publisher": "Debian",

"offer": "debian-10",

"sku": "10",

"version": "latest"

},

"openSUSE-Leap": {

"publisher": "SUSE",

"offer": "openSUSE-Leap",

"sku": "42.3",

"version": "latest"

},

"RHEL": {

"publisher": "RedHat",

"offer": "RHEL",

"sku": "7-LVM",

"version": "latest"

},

"SLES": {

"publisher": "SUSE",

"offer": "SLES",

"sku": "15",

"version": "latest"

},

"UbuntuLTS": {

"publisher": "Canonical",

"offer": "UbuntuServer",

"sku": "18.04-LTS",

"version": "latest"

},

"WindowsServer": {

"publisher": "MicrosoftWindowsServer",

"offer": "WindowsServer",

"sku": "2019-Datacenter",

"version": "latest"

},

"Win2016Datacenter": {

"publisher": "MicrosoftWindowsServer",

"offer": "WindowsServer",

"sku": "2016-Datacenter",

"version": "latest"

},

"Win2012R2Datacenter": {

"publisher": "MicrosoftWindowsServer",

"offer": "WindowsServer",

"sku": "2012-R2-Datacenter",

"version": "latest"

},

"Win2008R2SP1": {

"publisher": "MicrosoftWindowsServer",

"offer": "WindowsServer",

"sku": "2008-R2-SP1",

"version": "latest"

},

"*.":

"cache-control":
```

headers:

- accept-ranges: bytes

- access-control-allow-origin: *

- "*"
"contentVersion": "1.0.0.0", "parameters": {"adminPassword": {"type": "securestring", "metadata": {"description": "Secure adminPassword"}}}, "variables": {}, "resources": [{"name": "winvmVNET", "type": "Microsoft.Network/virtualNetworks", "location": "westus", "apiVersion": "2015-06-15", "dependsOn": [], 
"tags": {}, "properties": {
"addressSpace": {
"addressPrefixes": ["10.0.0.0/16"],
"subnets": {
"name": "winvmSubnet", 
"properties": {
"addressPrefix": "10.0.0.0/24"
}}
}],
"securityRules": {
"name": "rdp", "protocols": [
"Tcp", "sourcePortRange": "*", "destinationPortRange": "3389", "sourceAddressPrefix": "*", "destinationAddressPrefix": "*", 
"access": {"Allow", 
"priority": 1000, "direction": "Inbound"}}
},
"location": "westus", "tags": [], "dependsOn": [], "properties": {
"publicIPAllocationMethod": 
null},
"name": "winvmVMNic", "location": "westus", "tags": [], "dependsOn": 
["Microsoft.Network/virtualNetworks/winvmVNET", 
"Microsoft.Network/publicIPAddresses/winvmPublicIP"],
"properties": {
"ipConfigurations": {
"name": "ipconfigwinvm", "properties": {
"privateIPAllocationMethod": "Dynamic", "id": /subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/virtualNetworks/winvmVNET/subnets/winvmSubnet", 
"publicIPAddress": 
"id": /subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/publicIPAddresses/winvmPublicIP"}],
"networkSecurityGroup": {
"id": /subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/networkSecurityGroups/winvmNSG"}],
{"apiVersion": "2019-07-01", "type": "Microsoft.Compute/virtualMachines", "name": "winvm", "location": "westus", "tags": [], "dependsOn": 
["Microsoft.Network/networkInterfaces/winvmVMNic"],
"properties": {
"hardwareProfile": {"vmSize": "Standard_DS1_v2"}, "networkProfile": 
"networkInterfaces": {
"id": /subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/networkInterfaces/winvmVMNic"}],
"storageProfile": {"osDisk": {"createOption": "fromImage", "name": null, "caching": "ReadWrite", "managedDisk": {"storageAccountType": null}}, 
"imageReference": {
"publisher": "MicrosoftWindowsServer", "offer": "WindowsServer", "sku": "2012-R2-Datacenter", 
"version": "latest"}, 
"osProfile": {"computerName": "winvm", "adminUsername": "clitest1234", 
"adminPassword": 
"parameters":{"adminPassword": {"value": "Test123456789#"}, "mode": "Incremental"}}
}
- vm create
Connection:
- keep-alive
Content-Length:
- '3394'
Content-Type:
- application/json; charset=utf-8
ParameterSetName:
- -g -n --image --admin-username --admin-password --license-type
User-Agent:
- python/3.7.4 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
  azure-mgmt-resource/4.0.0 Azure-SDK-For-Python AZURECLI/2.0.75
accept-language:
- en-US
method: PUT
response:
  body:
  string: 
  
  {
headers:
  azure-asyncoperation:
  cache-control:
  - no-cache
  content-length:
  - '2806'
  content-type:
  - application/json; charset=utf-8
  date:
  - Fri, 01 Nov 2019 07:51:24 GMT
  expires:
  - '-1'
  pragma:
  - no-cache
  strict-transport-security:
  - max-age=31536000; includeSubDomains
  x-content-type-options:
  - nosniff
  x-ms-ratelimit-remaining-subscription-writes:
  - '1198'
  status:
  code: 201
  message: Created
  request:
  body: null
  headers:
    Accept:
    - application/json
    Accept-Encoding:
    - gzip, deflate
    CommandName:
    - vm create
    Connection:
    - keep-alive
    ParameterSetName:
    - g-n --image --admin-username --admin-password --license-type
    User-Agent:
    - python/3.7.4 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2 azure-mgmt-resource/4.0.0 Azure-SDK-For-Python AZURECLI/2.0.75
    method: GET
expires: - '-1'
pragma: - no-cache
strict-transport-security: - max-age=31536000; includeSubDomains
vary: - Accept-Encoding
x-content-type-options: - nosniff
status: 
  code: 200
  message: OK
request: 
  body: null
headers:
  Accept: - application/json
  Accept-Encoding: - gzip, deflate
  CommandName: - vm create
  Connection: - keep-alive
  ParameterSetName: - -g -n --image --admin-username --admin-password --license-type
  User-Agent: - python/3.7.4 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2 azure-mgmt-resource/4.0.0 Azure-SDK-For-Python AZURECLI/2.0.75

method: GET
response:
  body:
    string: '{"status":"Running"}''
  headers:
    cache-control: - no-cache
    content-length: - '20'
    content-type: - application/json; charset=utf-8
    date: - Fri, 01 Nov 2019 07:54:30 GMT
    expires: - '-1'
    pragma:
- nosniff
status:
code: 200
message: OK
- request:
body: null
headers:
  Accept: application/json
  Accept-Encoding: gzip, deflate
  CommandName: vm create
  Connection: keep-alive
  ParameterSetName: -g -n --image --admin-username --admin-password --license-type
  User-Agent: python/3.7.4 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2 azure-mgmt-resource/4.0.0 Azure-SDK-For-Python AZURECLI/2.0.75
  method: GET
response:
  body:
    string: '{"id":/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Resources/deployments/vm_deploy_uPVXvFuDo0QQMjHLlkHAdG07yzQCGn0W","name":"vm_deploy_uPVXvFuDo0QQMjHLlkHAdG07yzQCGn0W","type":"Microsoft.Resources/deployments","properties":{"templateHash":"15744899919030417297","parameters":{"adminPassword":"SecureString"},"mode":"Incremental","provisioningState":"Succeeded","timestamp":"2019-11-01T07:55:04.0803585Z","duration":"PT3M41.0540262S","correlationId":"572c0acc-74f3-41b3-adc8-6af00b1ae6","providers":[]}
  providers:
    
Open Source Used In Cisco Container Platform 6.1.022036
"disks": [
  {
    "name": "winvm_OsDisk_1_fd71da0e00ae4511be33abf7136962be",
    "statuses": [
      {
        "code": "ProvisioningState/succeeded",
        "level": "Info",
        "displayStatus": "Provisioning succeeded",
        "time": "2019-11-01T07:53:32.9073035+00:00"
      }
    ]
  },
  {
    "hyperVGeneration": "V1",
    "statuses": [
      {
        "code": "ProvisioningState/succeeded",
        "level": "Info",
        "displayStatus": "Provisioning succeeded",
        "time": "2019-11-01T07:55:02.6889239+00:00"
      },
      {
        "code": "PowerState/running",
        "level": "Info",
        "displayStatus": "VM running"
      }
    ]
  }
]
"headers":
  "cache-control": "no-cache",
  "content-length": 3175,
  "content-type": "application/json; charset=utf-8",
  "date": "Fri, 01 Nov 2019 07:55:32 GMT",
  "expires": "-1",
  "pragma": "no-cache",
  "server": "Microsoft-HTTPAPI/2.0",
  "strict-transport-security": "max-age=31536000; includeSubDomains",
  "transfer-encoding": "chunked",
  "vary": "Accept-Encoding",
  "x-content-type-options": "nosniff",
  "x-ms-ratelimit-remaining-resource": "Microsoft.Compute/LowCostGet3Min;3978,Microsoft.Compute/LowCostGet30Min;31969",
  "status":
    "code": 200,
    "message": "OK",
  "request":
    "body": null,
    "headers":
      "Accept": "application/json",
      "Accept-Encoding": "gzip, deflate",
      "CommandName": "Open Source Used In Cisco Container Platform 6.1.022039"
User-Agent: 
- python/3.7.4 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2 azure-mgmt-compute/9.0.0 Azure-SDK-For-Python AZURECLI/2.0.75 accept-language: 
  "vmId": "721c529f-d78e-4b91-88bc-c3717d3164d5", "vmId": "721c529f-d78e-4b91-88bc-c3717d3164d5",
  "hardwareProfile": {"vmSize": "Standard_DS1_v2"}, "storageProfile": {"imageReference": {"publisher": "MicrosoftWindowsServer", "offer": "WindowsServer", "sku": "2012-R2-Datacenter", "version": "latest", "exactVersion": "9600.19050.191008103"}, "osDisk": {"osType": "Windows", "name": "winvm_OsDisk_1_fd71da0e00ae4511be33abf7136962be", "createOption": "FromImage", "caching": "ReadWrite", "managedDisk": {"storageAccountType": "Premium_LRS"}, "id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Compute/disks/winvm_OsDisk_1_fd71da0e00ae4511be33abf7136962be", "diskSizeGB": 127, "dataDisks": []}, "osProfile": {"computerName": "winvm", "adminUsername": "clitest1234", "windowsConfiguration":null}}}
ParameterSetName:
- -g -n --license-type
User-Agent:
- python/3.7.4 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
  azure-mgmt-compute/9.0.0 Azure-SDK-For-Python AZURECLI/2.0.75
accept-language:
- en-US
method: GET
response:
body:
string: "{"name": "winvm","id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Compute/virtualMachines/winvm","type": "Microsoft.Compute/virtualMachines","location": "westus","tags": {},"properties": {"vmId": "721c529f-d78e-4b91-88bc-c3717d3164d5","hardwareProfile": {"vmSize": "Standard_DS1_v2"},"storageProfile": {"imageReference": {"publisher": "MicrosoftWindowsServer","offer": "WindowsServer","sku": "2012-R2-Datacenter","version": "latest","exactVersion": "9600.19505.1910081803"},"osDisk": {"name": "winvm_OsDisk_1_fd71da0e00ae4511be33abf7136962be","createOption": "FromImage","caching": "ReadWrite","managedDisk": {"storageAccountType": "Premium_LRS"},"diskSizeGB": 127},"osProfile": {"computerName": "winvm","adminUsername": "clitest1234"},"networkProfile": {"networkInterfaces": []},"licenseType": "Windows_Server","provisioningState": "Succeeded"}"
headers:
cache-control: no-cache
content-length: 1967
content-type: application/json; charset=utf-8
date:
azure-mgmt-compute/9.0.0 Azure-SDK-For-Python AZURECLI/2.0.75
method: GET
response:
  body:
    string: "{"startTime": "2019-11-01T07:55:37.9234633+00:00","endTime": "2019-11-01T07:55:44.1110157+00:00","status": "Succeeded","name": "4c8d44af-9011-45c1-bfc1-ee25db5c6a"}"
  headers:
    cache-control: - no-cache
    content-length: - '184'
    content-type: - application/json; charset=utf-8
    date: - Fri, 01 Nov 2019 07:56:09 GMT
    expires: - '-1'
    pragma: - no-cache
    server: - Microsoft-HTTPAPI/2.0
    strict-transport-security: - max-age=31536000; includeSubDomains
    transfer-encoding: - chunked
    vary: - Accept-Encoding
    x-content-type-options: - nosniff
    x-ms-ratelimit-remaining-resource: - Microsoft.Compute/GetOperation3Min;14969,Microsoft.Compute/GetOperation30Min;29959
status:
  code: 200
  message: OK
- request:
  body: null
  headers:
    Accept:
      - application/json
    Accept-Encoding:
      - gzip, deflate
    CommandName:
      - vm update
Connection: keep-alive
ParameterSetName: -g -n --license-type
User-Agent: python/3.7.4 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2 azure-mgmt-compute/9.0.0 Azure-SDK-For-Python AZURECLI/2.0.75
method: GET
response: body:
string: "{"name": "winvm","id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Compute/virtualMachines/winvm""
"type": "Microsoft.Compute/virtualMachines","location": "westus","tags": {}
"hardwareProfile": {"vmSize": "Standard_DS1_v2"},
"storageProfile": {"imageReference": {"publisher": "MicrosoftWindowsServer","offer": "WindowsServer","sku": "2012-R2-Datacenter","version": "latest","exactVersion": "9600.19505.1910081803"},
"osDisk": {"name": "winvm_OsDisk_1", "createOption": "FromImage","caching": "ReadWrite","managedDisk": {"storageAccountType": "Premium_LRS"}}
"osProfile": {"computerName": "winvm","adminUsername": "clitest1234","windowsConfiguration":{"provisionVMAgent": true,"enableAutomaticUpdates": true},
"requireGuestProvisionSignal": true,
"networkProfile": {"interfaces": [{"id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/networkInterfaces/winvmVMNic1"}]
"licenseType": "None","provisioningState": "Succeeded""
headers: cache-control: no-cache content-length: 1957 content-type: application/json; charset=utf-8 date:
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Python distutils

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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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2.5.2  2.5.1  2008  PSF  yes
2.5.3  2.5.2  2008  PSF  yes
2.6   2.5   2008  PSF  yes
2.6.1  2.6   2008  PSF  yes
3.0   2.6   2008  PSF  yes
3.0.1  3.0   2009  PSF  yes

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Code adapted from material by Roger Zhang

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/****
```c
** kmeans.c
** - a simple k-means clustering routine
** - returns the cluster labels of the data points in an array
** - here's an example
** extern int *k_means(double**, int, int, int, double**, double**);
** ...
** int *c = k_means(data_points, num_points, dim, 20, 1e-4, 0);
** for (i = 0; i < num_points; i++) {
**   printf("data point %d is in cluster %d\n", i, c[i]);
** }
** ...
** free(c);
** Parameters
** - array of data points (double **data)
** - number of data points (int n)
** - dimension (int m)
** - desired number of clusters (int k)
** - error tolerance (double t)
** - used as the stopping criterion, i.e. when the sum of
**   squared euclidean distance (standard error for k-means)
**   of an iteration is within the tolerable range from that
**   of the previous iteration, the clusters are considered
**   "stable", and the function returns
** - a suggested value would be 0.0001
** - output address for the final centroids (double **centroids)
** - user must make sure the memory is properly allocated, or
**   pass the null pointer if not interested in the centroids
** References
** - J. MacQueen, "Some methods for classification and analysis
**   of multivariate observations", Fifth Berkeley Symposium on
** - I.S. Dhillon and D.S. Modha, "A data-clustering algorithm
**   on distributed memory multiprocessors",
**   Large-Scale Parallel Data Mining, 245-260, 1999.
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** Created on 2005-04-12 by
** - Roger Zhang (rogerz@cs.dal.ca)
** Modifications
** -
** Last compiled under Linux with gcc-3
*/
```

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

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interactions:
- request:
  body: null
  headers:
    Accept:
    - application/json
    Accept-Encoding:
    - gzip, deflate
    CommandName:
    - vm create
    Connection:
    - keep-alive
  ParameterSetName:
  - -l -g -n --admin-username --admin-password --image --size
  User-Agent:
  - python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
    azure-mgmt-compute/10.0.0 Azure-SDK-For-Python AZURECLI/2.0.76
  accept-language:
  - en-US
  method: GET
response:
  body:
  string: "\n\n  \
  "location": "westus",
  "name": "14.1.191008",
\n  \
  "id": "/Subscriptions/00000000-0000-0000-0000-000000000000/Providers/Microsoft.Compute/locations/westus/Publishers/MicrosoftSQLServer/ArtifactTypes/VmImage/Offers/SQL2017-WS2016/Skus/Enterprise/Versions/14.1.191008",\n\n  \
  \
  \\n  \n  "subscriptions/00000000-0000-0000-0000-000000000000"
method: GET
response:
  body:
  string: "{"\n    "properties": {"\n      "hyperVGeneration": "V1", 
      "replicaType": "Unmanaged", 
      "disallowed": {"vmDiskType": "None"}, 
      "automaticOSUpgradeProperties": {"automaticOSUpgradeSupported": false}, 
      "osDiskImage": {
        "operatingSystem": "Windows", 
        "sizeInGb": 128, 
        "sizeInBytes": 136367309312 }
    }, 
    "location": "westus", 
    "name": "14.1.191008", 
    "id": "/Subscriptions/00000000-0000-0000-0000-000000000000/Providers/Microsoft.Compute/Locations/westus/Publishers/MicrosoftSQLServer/ArtifactTypes/vmimage/Offer/SQL2017-WS2016/Skus/Enterprise/Versions/14.1.191008" 
  }"
  headers:
  cache-control: no-cache
  content-length: '663'
  content-type: application/json; charset=utf-8
  date: Thu, 12 Dec 2019 19:21:59 GMT
  expires: -1
  pragma: no-cache
  server: Microsoft-HTTPAPI/2.0
  strict-transport-security: max-age=31536000; includeSubDomains
  transfer-encoding: chunked
  vary: Accept-Encoding
  x-content-type-options: nosniff
  status: 
    code: 200
    message: OK
  - request:
    body: null
    headers:
      Accept:
      - application/json
      Accept-Encoding:
- gzip, deflate
CommandName:
- vm create
Connection:
- keep-alive
ParameterSetName:
- -l -g -n --admin-username --admin-password --image --size
User-Agent:
- python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
  azure-mgmt-network/7.0.0 Azure-SDK-For-Python AZURECLI/2.0.76
accept-language:
- en-US
method: GET
uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-
000000000000/resourceGroups/sqlvm_cli_test_license000001/providers/Microsoft.Network/virtualNetworks?api-
version=2018-01-01
response:
  body:
    string: '["value":[]]
headers:
  cache-control:
  - no-cache
  content-length:
  - '12'
  content-type:
  - application/json; charset=utf-8
date:
  - Thu, 12 Dec 2019 19:21:59 GMT
expires:
  - '-1'
pragma:
  - no-cache
strict-transport-security:
  - max-age=31536000; includeSubDomains
vary:
  - Accept-Encoding
x-content-type-options:
  - nosniff
status:
  code: 200
  message: OK
request:
  body: null
  headers:
    Accept:
    - application/json
    Accept-Encoding:
    - gzip, deflate
CommandName: - vm create
Connection: - keep-alive
ParameterSetName: - l - g - n --admin-username --admin-password --image --size
User-Agent: - python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2 azure-mgmt-compute/10.0.0 Azure-SDK-For-Python AZURECLI/2.0.76
accept-language: - en-US
method: GET
response:
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\ },\r\n {\r\n
\"name\": \"Standard_A8\",\r\n
\"numberOfCores\":
8,\r\n
\"osDiskSizeInMB\": 1047552,\r\n
\"resourceDiskSizeInMB\":
391168,\r\n
\"memoryInMB\": 57344,\r\n
\"maxDataDiskCount\": 32\r\n
\ },\r\n {\r\n
\"name\": \"Standard_A9\",\r\n
\"numberOfCores\":
16,\r\n
\"osDiskSizeInMB\": 1047552,\r\n
\"resourceDiskSizeInMB\":
391168,\r\n
\"memoryInMB\": 114688,\r\n
\"maxDataDiskCount\": 64\r\n
\ },\r\n {\r\n
\"name\": \"Standard_A10\",\r\n
\"numberOfCores\":
8,\r\n
\"osDiskSizeInMB\": 1047552,\r\n
\"resourceDiskSizeInMB\":
391168,\r\n
\"memoryInMB\": 57344,\r\n
\"maxDataDiskCount\": 32\r\n
\ },\r\n {\r\n
\"name\": \"Standard_A11\",\r\n
\"numberOfCores\":
16,\r\n
\"osDiskSizeInMB\": 1047552,\r\n
\"resourceDiskSizeInMB\":
391168,\r\n
\"memoryInMB\": 114688,\r\n
\"maxDataDiskCount\": 64\r\n
\ },\r\n {\r\n
\"name\": \"Standard_H8\",\r\n
\"numberOfCores\":
8,\r\n
\"osDiskSizeInMB\": 1047552,\r\n
\"resourceDiskSizeInMB\":

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date: - Thu, 12 Dec 2019 19:22:00 GMT
expires: - `1`
pragma: - no-cache
strict-transport-security: - max-age=31536000; includeSubDomains
x-content-type-options: - nosniff
x-ms-ratelimit-remaining-subscription-writes: - `1199`
status: code: 201
message: Created
- request:
body: null
headers:
  Accept: application/json
  Accept-Encoding: gzip, deflate
  CommandName: vm create
  Connection: keep-alive
  ParameterSetName: -l -g -n --admin-username --admin-password --image --size
  User-Agent: python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2 azure-mgmt-resource/4.0.0 Azure-SDK-For-Python AZURECLI/2.0.76
method: GET
response:
body:
  string: '{"status":"Running"}'
headers:
  cache-control:
  - no-cache
  content-length:
  - '20'
  content-type:
  - application/json; charset=utf-8
date:
  - Thu, 12 Dec 2019 19:22:31 GMT
expires:
strict-transport-security:
- max-age=31536000; includeSubDomains
vary:
- Accept-Encoding
x-content-type-options:
- nosniff
status:
code: 200
message: OK
request:
body: null
headers:
Accept:
- application/json
Accept-Encoding:
- gzip, deflate
CommandName:
- vm create
Connection:
- keep-alive
ParameterSetName:
- -l -g -n --admin-username --admin-password --image --size
User-Agent:
- python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
  azure-mgmt-resource/4.0.0 Azure-SDK-For-Python AZURECLI/2.0.76
method: GET
response:
body:
string: '{"status":"Running"}'
headers:
cache-control:
- no-cache
content-length:
- '20'
content-type:
- application/json; charset=utf-8
date:
- Thu, 12 Dec 2019 19:23:31 GMT
expires:
- '-1'
pragma:
- no-cache
strict-transport-security:
- max-age=31536000; includeSubDomains
vary:
- request:
  body: null
  headers:
    Accept:
    - application/json
    Accept-Encoding:
    - gzip, deflate
    CommandName:
    - vm create
    Connection:
    - keep-alive
    ParameterSetName:
    - -l -g -n --admin-username --admin-password --image --size
    User-Agent:
    - python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
      azure-mgmt-resource/4.0.0 Azure-SDK-For-Python AZURECLI/2.0.76
  method: GET
response:
  body:
    string: '["status":"Running"]'
  headers:
    cache-control:
    - no-cache
    content-length:
    - '20'
    content-type:
    - application/json; charset=utf-8
    date:
    - Thu, 12 Dec 2019 19:25:01 GMT
    expires:
    - '-1'
    pragma:
    - no-cache
    strict-transport-security:
    - max-age=31536000; includeSubDomains
    vary:
    - Accept-Encoding
    x-content-type-options:
    - nosniff
  status:
    code: 200
    message: OK
- gzip, deflate
CommandName:
- vm create
Connection:
- keep-alive
ParameterSetName:
- -l -g -n --admin-username --admin-password --image --size
User-Agent:
- python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
  azure-mgmt-resource/4.0.0 Azure-SDK-For-Python AZURECLI/2.0.76
method: GET
response:
  body:
    string: '{"status":"Running"}"
  headers:
    cache-control:
    - no-cache
    content-length:
    - 20
    content-type:
    - application/json; charset=utf-8
date:
- Thu, 12 Dec 2019 19:26:02 GMT
expires:
- '-1'
pragma:
- no-cache
strict-transport-security:
- max-age=31536000; includeSubDomains
vary:
- Accept-Encoding
x-content-type-options:
- nosniff
status:
  code: 200
  message: OK
- request:
  body: null
  headers:
    Accept:
    - application/json
    Accept-Encoding:
    - gzip, deflate
  CommandName:
  - vm create
headers:
cache-control: - no-cache
content-length: - '3181'
content-type: 
"etag": "W/"310b5d35-a102-4a32-bd88-d245c84eb811"",

"westus",

"tags": { },

"properties": { },

"provisioningState": "Succeeded",

"resourceGuid": "c0fc2122-897d-4ab4-b88d-2c6360f7d433",

"ipConfigurations": [

{"name": "ipconfigclisqlvm000002",

"id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/sqlvm_cli_test_license000001/providers/Microsoft.Network/networkInterfaces/clisqlvm000002VMNic/ipConfigurations/ipconfigclisqlvm000002VMNic",

"type": "Microsoft.Network/networkInterfaces/ipConfigurations",

"properties": {

"provisioningState": "Succeeded",

"privateIPAddress": "10.0.0.4",

"privateIPAllocationMethod": "Dynamic",

"publicIPAddress": {

"id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/sqlvm_cli_test_license000001/providers/Microsoft.Network/publicIPAddresses/clisqlvm000002PublicIP"

"primary": true,

"privateIPAddressVersion": "IPv4",

"contextuallyProcessed": false,

"applicationDnsServers": [],

"internalDomainNameSuffix": "dtaw2czizn4elcs1gswf0n5k1f.dx.internal.cloudapp.net",

"macAddress": "00-0D-3A-37-EA-18",

"enableAcceleratedNetworking": false,

"enableIPForwarding": false,

"networkSecurityGroup": {

"id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/sqlvm_cli_test_license000001/providers/Microsoft.Network/networkSecurityGroups/clisqlvm000002NSG"

"primary": true,

"virtualMachine": { 

"id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/sqlvm_cli_test_license000001/providers/Microsoft.Compute/virtualMachines/clisqlvm000002" }

"type": "Microsoft.Network/networkInterfaces"
}
server:
  - Microsoft-HTTPAPI/2.0
  - Microsoft-HTTPAPI/2.0
strict-transport-security:
  - max-age=31536000; includeSubDomains
transfer-encoding:
  - chunked
vary:
  - Accept-Encoding
x-content-type-options:
  - nosniff
x-ms-arm-service-request-id:
  - 46827473-a0eb-4f91-9eaf-341d80c21adc
status:
  code: 200
  message: OK
- request:
  body: null
  headers:
    Accept:
    - application/json
    Accept-Encoding:
    - gzip, deflate
    CommandName:
    - vm create
    Connection:
    - keep-alive
    ParameterSetName:
    - -l -g -n --admin-username --admin-password --image --size
    User-Agent:
    - python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
    azure-mgmt-network/7.0.0 Azure-SDK-For-Python AZURECLI/2.0.76
    accept-language:
    - en-US
  method: GET
response:
  body:
  string: "{"name":"clisqlvm000002PublicIP","id":"/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/sqlvm_cli_test_license000001/providers/Microsoft.Network/publicIPAddresses/clisqlvm000002PublicIP","etag":"W/\"8c5a7087-6f28-4ad0-8627-36c6996aa5c8\"","location":"westus","tags":{},"properties":{"provisioningState":"Succeeded","resourceGuid":"721ffa8b-65f5-470a-8c69-b6d63c8272df","ipAddress":"40.78.17.46","publicIPAddressVersion":"IPv4","idleTimeoutInMinutes":"}}
- Microsoft-HTTPAPI/2.0
strict-transport-security:
- max-age=31536000; includeSubDomains
x-content-type-options:
- nosniff
x-ms-ratelimit-remaining-subscription-writes:
- '1199'
status:
code: 201
message: Created

- request:
  body: null
  headers:
    Accept:
    - application/json
    Accept-Encoding:
    - gzip, deflate
    CommandName:
    - sql vm create
    Connection:
    - keep-alive
    ParameterSetName:
    - -n -g -l --image-sku --license-type
    User-Agent:
    - python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
    azure-mgmt-sqlvirtualmachine/0.5.0 Azure-SDK-For-Python AZURECLI/2.0.76
    method: GET
    uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-000000000000/providers/Microsoft.SqlVirtualMachine/locations/westus/operationTypes/createsqlvirtualmachine/operationResults/af226d1b-09f9-4fe3-bd00-bca4683507bf?api-version=2017-03-01-preview
response:
  body:
  string: '{"name":"af226d1b-09f9-4fe3-bd00-bca4683507bf","status":"InProgress","startTime":"2019-12-12T19:26:35.59Z"}'
  headers:
    cache-control:
    - no-cache
    content-length:
    - '107'
    content-type:
    - application/json; charset=utf-8
date:
- Thu, 12 Dec 2019 19:26:51 GMT
expires:
- '-1'
pragma:
- no-cache
server:
string: '{"name":"af226d1b-09f9-4fe3-bd00-bca4683507bf","status":"InProgress","startTime":"2019-12-12T19:26:35.59Z"}
headers:
  cache-control:
  - no-cache
  content-length:
  - '107'
  content-type:
  - application/json; charset=utf-8
date:
  - Thu, 12 Dec 2019 19:28:51 GMT
expires:
  - '-1'
pragma:
  - no-cache
server:
  - Microsoft-HTTPAPI/2.0
strict-transport-security:
  - max-age=31536000; includeSubDomains
transfer-encoding:
  - chunked
vary:
  - Accept-Encoding
x-content-type-options:
  - nosniff
status:
  code: 200
  message: OK
request:
  body: null
headers:
  Accept:
  - application/json
  Accept-Encoding:
  - gzip, deflate
  CommandName:
  - sql vm create
  Connection:
  - keep-alive
  ParameterSetName:
  - -n -g -l --image-sku --license-type
  User-Agent:
  - python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
    azure-mgmt-sqlvirtualmachine/0.5.0 Azure-SDK-For-Python AZURECLI/2.0.76
method: GET
uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-000000000000/providers/Microsoft.SqlVirtualMachine/locations/westus/operationTypes/createsqlvirtualmachine/operationResults/af226d1b-09f9-4fe3-bd00-bca4683507bf?api-version=2017-03-01-preview
method: GET
response:
  body:
    string: |
      
status: code: 200
message: OK
request:
  body: null
headers:
  Accept: application/json
  Accept-Encoding: gzip, deflate
  CommandName: sql vm create
- request:
  body: null
  headers:
    Accept:
    - application/json
    Accept-Encoding:
    - gzip, deflate
    CommandName:
    - sql vm update
    Connection:
    - keep-alive
    ParameterSetName:
    - -n -g --image-sku --license-type
    User-Agent:
    - python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
      azure-mgmt-sqlvirtualmachine/0.5.0 Azure-SDK-For-Python AZURECLI/2.0.76
    accept-language:
    - en-US
  method: GET
response:
  body:
    string: '"
    "properties":{"virtualMachineResourceId":/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/sqlvm_cli_test_license000001/providers/Microsoft.Compute/virtualMachines/clisqlvm000002","provisioningState":"Succeeded","sqlImageOffer":"SQL2017-WS2016","sqlServerLicenseType":"AHUB","sqlManagement":"LightWeight","sqlImageSku":"Enterprise"},"location":"westus","tags":{},"id":/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/sqlvm_cli_test_license000001/providers/Microsoft.SqlVirtualMachine/sqlVirtualMachines/clisqlvm000002","name":"clisqlvm000002","type":"Microsoft.SqlVirtualMachine/sqlVirtualMachines"}"
  headers:
    cache-control:
    - no-cache
    content-length:
    - '734'
    content-type:
    - application/json; charset=utf-8
    date:
    - Thu, 12 Dec 2019 19:29:23 GMT
    expires:
    - -1
    pragma:
    - no-cache
    server:
    - Microsoft-HTTPAPI/2.0
    strict-transport-security:
    - max-age=31536000; includeSubDomains
- python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
  azuremgmt-sqlvirtualmachine/0.5.0 Azure-SDK-For-Python AZURECLI/2.0.76
method: GET
response:
  body:
    string: |
  headers:
    cache-control: 
    - no-cache
    content-length: 
    - '734'
    content-type: 
    - application/json; charset=utf-8
    date: 
    - Thu, 12 Dec 2019 19:29:41 GMT
    expires: 
    - '-1'
    pragma: 
    - no-cache
    server: 
    - Microsoft-HTTPAPI/2.0
    strict-transport-security: 
    - max-age=31536000; includeSubDomains
    transfer-encoding: 
    - chunked
    vary: 
    - Accept-Encoding
    x-content-type-options: 
    - nosniff
    status: 
    code: 200
    message: OK
  request:
    body: null
    headers:
      Accept: 
      - application/json
      Accept-Encoding: 
      - gzip, deflate
- nosniff
status:
  code: 200
  message: OK
- request:
  body: null
  headers:
    Accept:
    - application/json
    Accept-Encoding:
    - gzip, deflate
    CommandName:
    - sql vm delete
  Connection:
  - keep-alive
  ParameterSetName:
  - -n -g --yes
  User-Agent:
  - python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
  - azure-mgmt-sqlvirtualmachine/0.5.0 Azure-SDK-For-Python AZURECLI/2.0.76
method: GET
uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-000000000000/providers/Microsoft.SqlVirtualMachine/locations/westus/operationTypes/deletesqlvirtualmachine/operationResults/459999d9-f59d-47b4-9776-1f4c48f4c5ae?api-version=2017-03-01-preview
response:
  body:
  - string: |
      {"name":"459999d9-f59d-47b4-9776-1f4c48f4c5ae","status":"InProgress","startTime":"2019-12-12T19:29:42.497Z"} |
  headers:
    cache-control:
    - no-cache
    content-length:
    - '108'
    content-type:
    - application/json; charset=utf-8
    date:
    - Thu, 12 Dec 2019 19:30:14 GMT
    expires:
    - '-1'
    pragma:
    - no-cache
    server:
    - Microsoft-HTTPAPI/2.0
    strict-transport-security:
    - max-age=31536000; includeSubDomains
    transfer-encoding:
    - chunked
    vary:
- Microsoft-HTTPAPI/2.0
  strict-transport-security:
  - max-age=31536000; includeSubDomains
  transfer-encoding:
  - chunked
  vary:
  - Accept-Encoding
  x-content-type-options:
  - nosniff
  status:
    code: 200
    message: OK
  - request:
    body: 'b"b"{"location": "westus", "tags": {}, "properties": {"virtualMachineResourceId": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/sqlvm_cli_test_license000001/providers/Microsoft.Compute/virtualMachines/clisqlvm000002", "sqlServerLicenseType": "PAYG", "sqlManagement": "LightWeight", "sqlImageSku": "Enterprise", "autoPatchingSettings": {}, "autoBackupSettings": {}, "keyVaultCredentialSettings": {}, "serverConfigurationsManagementSettings": {"sqlConnectivityUpdateSettings": {}, "sqlWorkloadTypeUpdateSettings": {}, "additionalFeaturesServerConfigurations": {}}}}""
headers:
  Accept:
  - application/json
  Accept-Encoding:
  - gzip, deflate
  CommandName:
  - sql vm create
  Connection:
  - keep-alive
  Content-Length:
  - '629'
  Content-Type:
  - application/json; charset=utf-8
  ParameterSetName:
  - -n -g -l --image-sku --license-type
  User-Agent:
  - python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2 azure-mgmt-sqlvirtualmachine/0.5.0 Azure-SDK-For-Python AZURECLI/2.0.76
  accept-language:
  - en-US
method: PUT
response:
  body:
method: GET
uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-000000000000/providers/Microsoft.SqlVirtualMachine/locations/westus/operationTypes/createsqlvirtualmachine/operationResults/4dcbaa03-347a-4bb3-b164-ch54147ee2c8?api-version=2017-03-01-preview
response:
  body:
  - "name":"4dcbaa03-347a-4bb3-b164-ch54147ee2c8","status":"InProgress","startTime":"2019-12-12T19:31:00.92Z"
  headers:
    cache-control:
    - no-cache
    content-length:
    - "107"
    content-type:
    - application/json; charset=utf-8
date:
  - Thu, 12 Dec 2019 19:31:17 GMT
expires:
  - -1
pragma:
  - no-cache
server:
  - Microsoft-HTTPAPI/2.0
strict-transport-security:
  - max-age=31536000; includeSubDomains
transfer-encoding:
  - chunked
vary:
  - Accept-Encoding
x-content-type-options:
  - nosniff
status:
  code: 200
message: OK
- request:
  body: null
  headers:
    Accept:
    - application/json
    Accept-Encoding:
    - gzip, deflate
    CommandName:
    - sql vm create
    Connection:
    - keep-alive
    ParameterSetName:
sql vm create
Connection:
keep-alive
ParameterSetName:
-n -g -l --image-sku --license-type
User-Agent:
python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
azure-mgmt-sqlvirtualmachine/0.5.0 Azure-SDK-For-Python AZURECLI/2.0.76
method: GET
uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-000000000000/providers/Microsoft.SqlVirtualMachine/locations/westus/operationTypes/createsqlvirtualmachine/operationResults/4dcbaa03-347a-4bb3-b164-ch54147ee2c8?api-version=2017-03-01-preview
response:
body:
string: '{"name":4dcbaa03-347a-4bb3-b164-ch54147ee2c8","status":InProgress","startTime":"2019-12-12T19:31:00.92Z"}'
headers:
cache-control:
- no-cache
content-length:
- 107
content-type:
- application/json; charset=utf-8
date:
- Thu, 12 Dec 2019 19:32:01 GMT
expires:
- -1
pragma:
- no-cache
server:
- Microsoft-HTTPAPI/2.0
strict-transport-security:
- max-age=31536000; includeSubDomains
transfer-encoding:
- chunked
vary:
- Accept-Encoding
x-content-type-options:
- nosniff
status:
- code: 200
message: OK
request:
body: null
headers:
Accept:
- application/json
Accept-Encoding:
- gzip, deflate

CommandName:
- sql vm create

Connection:
- keep-alive

ParameterSetName:
- -n -g -l --image-sku --license-type

User-Agent:
- python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
  azure-mgmt-sqlvirtualmachine/0.5.0 Azure-SDK-For-Python AZURECLI/2.0.76

method: GET

uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-000000000000/providers/Microsoft.SqlVirtualMachine/locations/westus/operationTypes/createsqlvirtualmachine/operationResults/4dcbaa03-347a-4bb3-b164-chb54147ee2c8?api-version=2017-03-01-preview

response:
  body:
  
  string: '{"name":"4dcbaa03-347a-4bb3-b164-chb54147ee2c8","status":"Succeeded","startTime":"2019-12-12T19:31:00.92Z"}'

headers:
  cache-control:
  - no-cache
  content-length:
  - '106'
  content-type:
  - application/json; charset=utf-8
  date:
  - Thu, 12 Dec 2019 19:32:17 GMT
  expires:
  - '-1'
  pragma:
  - no-cache
  server:
  - Microsoft-HTTPAPI/2.0
  strict-transport-security:
  - max-age=31536000; includeSubDomains
  transfer-encoding:
  - chunked
  vary:
  - Accept-Encoding
  x-content-type-options:
  - nosniff
  status:
  code: 200
  message: OK

- request:
  body: null
  headers:
  Accept:
- Microsoft-HTTPAPI/2.0
strict-transport-security:
- max-age=31536000; includeSubDomains
transfer-encoding:
- chunked
vary:
- Accept-Encoding
x-content-type-options:
- nosniff
status:
code: 200
message: OK
request:
body: null
headers:
Accept:
- application/json
Accept-Encoding:
- gzip, deflate
CommandName:
- sql vm update
Connection:
- keep-alive
ParameterSetName:
- -n -g --image-sku
User-Agent:
- python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
  azure-mgmt-sqlvirtualmachine/0.5.0 Azure-SDK-For-Python AZURECLI/2.0.76
accept-language:
- en-US
method: GET
uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-
000000000000/resourceGroups/sqlvm_cli_test_license000001/providers/Microsoft.SqlVirtualMachine/sqlVirtualMachines/clisqlvm000002?api-version=2017-03-01-preview
response:
body:
headers:
cache-control:
- no-cache
content-length:
- '734'
content-type: application/json; charset=utf-8
date: Thu, 12 Dec 2019 19:32:18 GMT
expires: -1
pragma: no-cache
server: Microsoft-HTTPAPI/2.0
strict-transport-security: max-age=31536000; includeSubDomains
transfer-encoding: chunked
vary: Accept-Encoding
x-content-type-options: nosniff
status: code: 200
message: OK
request:
body: b"{"location": "westus", "tags": { }, "properties": { "virtualMachineResourceId": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/sqlvm_cli_test_license000001/providers/Microsoft.Compute/virtualMachines/clisqlvm000002", "sqlImageOffer": "SQL2017-WS2016", "sqlServerLicenseType": "PAYG", "sqlManagement": "LightWeight", "sqlImageSku": "Enterprise" } }"
headers:
Accept: application/json
Accept-Encoding: gzip, deflate
CommandName: sql vm update
Connection: keep-alive
Content-Length: 412
Content-Type: application/json; charset=utf-8
ParameterSetName: -n -g --image-sku
User-Agent: python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2 azure-mgmt-sqlvirtualmachine/0.5.0 Azure-SDK-For-Python AZURECLI/2.0.76
accept-language: en-US
method: PUT
response:
  body:
    string: "{"properties":{"virtualMachineResourceId":"/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/sqlvm_cli_test_license000001/providers/Microsoft.Compute/virtualMachines/clisqlvm000002","provisioningState":"Updating","sqlServerLicenseType":"PAYG","sqlManagement":"LightWeight","sqlImageSku":"Enterprise"},"location":"westus","tags":null,"id":/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/sqlvm_cli_test_license000001/providers/Microsoft.SqlVirtualMachine/sqlVirtualMachines/clisqlvm000002","name":"clisqlvm000002","type":"Microsoft.SqlVirtualMachine/sqlVirtualMachines"}
  headers:
    azure-asyncoperation:
      - https://management.azure.com/subscriptions/00000000-0000-0000-0000-000000000000/providers/Microsoft.SqlVirtualMachine/locations/westus/operationTypes/updatesqlvirtualmachine/operationResults/9dbd5db1-0696-446d-bb08-73d68badabfa?api-version=2017-03-01-preview
    cache-control:
      - no-cache
    content-length:
      - '700'
    content-type:
      - application/json; charset=utf-8
    date:
      - Thu, 12 Dec 2019 19:32:19 GMT
    expires:
      - '-1'
    pragma:
      - no-cache
    server:
      - Microsoft-HTTPAPI/2.0
    strict-transport-security:
      - max-age=31536000; includeSubDomains
    transfer-encoding:
      - chunked
    vary:
      - Accept-Encoding
    x-content-type-options:
      - nosniff
    x-ms-ratelimit-remaining-subscription-writes:
      - '1199'
status:
  code: 200
  message: OK
  request:
    body: null
    headers:
      Accept:
- no-cache
server:
- Microsoft-HTTPAPI/2.0
strict-transport-security:
- max-age=31536000; includeSubDomains
transfer-encoding:
- chunked
vary:
- Accept-Encoding
x-content-type-options:
- nosniff
status:
  code: 200
  message: OK

- request:
  body: '
"{"location": "westus", "tags": {}, "properties": {
  "virtualMachineResourceId":
  "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/sqlvm_cli_test_license000001/providers/Microsoft.Compute/virtualMachines/clisqlvm000002",
  "sqlImageOffer": "SQL2017-WS2016", "sqlServerLicenseType": "AHUB", "sqlManagement":
  "LightWeight", "sqlImageSku": "Enterprise"}}\n"
headers:
  Accept:
  - application/json
  Accept-Encoding:
  - gzip, deflate
  CommandName:
  - sql vm update
  Connection:
  - keep-alive
  Content-Length:
  - '412'
  Content-Type:
  - application/json; charset=utf-8
  ParameterSetName:
  - -n -g --image-sku --license-type
  User-Agent:
  - python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
    azure-mgmt-sqlvirtualmachine/0.5.0 Azure-SDK-For-Python AZURECLI/2.0.76
  accept-language:
  - en-US
method: PUT
response:
  body:
  string: '{ "properties": { "virtualMachineResourceId": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/sqlvm_cli_test_license000001/providers/Microsoft.Compute/virtualMachines/clisqlvm000002" } }'
ParameterSetName:
- -n -g --image-sku --license-type

User-Agent:
- python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
  azure-mgmt-sqlvirtualmachine/0.5.0 Azure-SDK-For-Python AZURECLI/2.0.76

method: GET
uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-000000000000/providers/Microsoft.SqlVirtualMachine/locations/westus/operationTypes/updatesqlvirtualmachine/operationResults/8ec0ece8-97a1-42bf-a2a5-50540126cfd4?api-version=2017-03-01-preview

response:
  body:
    string: '{"name":"8ec0ece8-97a1-42bf-a2a5-50540126cfd4","status":"Succeeded","startTime":"2019-12-12T19:32:36.843Z"}'}
  headers:
    cache-control:
      - no-cache
    content-length:
      - '107'
    content-type:
      - application/json; charset=utf-8
    date:
      - Thu, 12 Dec 2019 19:32:53 GMT
    expires:
      - '-1'
    pragma:
      - no-cache
    server:
      - Microsoft-HTTPAPI/2.0
    strict-transport-security:
      - max-age=31536000; includeSubDomains
    transfer-encoding:
      - chunked
    vary:
      - Accept-Encoding
    x-content-type-options:
      - nosniff
    status:
      code: 200
      message: OK

request:
  body: null
  headers:
    Accept:
    - application/json
    Accept-Encodings:
      - gzip, deflate
    CommandName:
      - sql vm update
method: GET
response:
  body:
    string: '{"properties":{"virtualMachineResourceId":"/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/sqlvm_cli_test_license000001/providers/Microsoft.Compute/virtualMachines/clisqlvm000002","provisioningState":"Succeeded","sqlImageOffer":"SQL2017-WS2016","sqlServerLicenseType":"DR","sqlManagement":"LightWeight","sqlImageSku":"Enterprise"},"location":"westus","tags":{},"id":"/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/sqlvm_cli_test_license000001/providers/Microsoft.SqlVirtualMachine/sqlVirtualMachines/clisqlvm000002","name":"clisqlvm000002","type":"Microsoft.SqlVirtualMachine/sqlVirtualMachines"}'}
headers:
cache-control: - no-cache
content-length: - 732
content-type: - application/json; charset=utf-8
date: - Thu, 12 Dec 2019 19:33:11 GMT
expires: - `-1`
pragma: - no-cache
server: - Microsoft-HTTPAPI/2.0
strict-transport-security: - max-age=31536000; includeSubDomains
transfer-encoding: - chunked
vary: - Accept-Encoding
x-content-type-options: - nosniff
status:
  code: 200
  message: OK
request:
  body: null
headers:
  Accept:
    - application/json
  Accept-Encoding:
    - gzip, deflate
  CommandName:
    - sql vm delete
- request:
  body: null
  headers:
    Accept:
      - application/json
    Accept-Encoding:
      - gzip, deflate
    CommandName:
      - sql vm delete
    Connection:
      - keep-alive
    ParameterSetName:
      - -n -g --yes
    User-Agent:
      - python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2 azure-mgmt-sqlvirtualmachine/0.5.0 Azure-SDK-For-Python AZURECLI/2.0.76
    method: GET
    uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-000000000000/providers/Microsoft.SqlVirtualMachine/locations/westus/operationTypes/deletesqlvirtualmachine/operationResults/036411c5-d293-4897-93f7-cb7e72120884?api-version=2017-03-01-preview
  response:
    body:
      string: '{"name":"036411c5-d293-4897-93f7-cb7e72120884","status":"InProgress","startTime":"2019-12-12T19:33:12.343Z"}'}
code: 200
message: OK
- request:
  body: null
headers:
  Accept:
  - application/json
  Accept-Encoding:
  - gzip, deflate
  CommandName:
  - sql vm delete
  Connection:
  - keep-alive
  ParameterSetName:
  - -n -g --yes
  User-Agent:
  - python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
  azure-mgmt-sqlvirtualmachine/0.5.0 Azure-SDK-For-Python AZURECLI/2.0.76
method: GET
uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-000000000000/providers/Microsoft.SqlVirtualMachine/locations/westus/operationTypes/deletesqlvirtualmachine/operationResults/036411c5-d293-4897-93f7-cb7e72120884?api-version=2017-03-01-preview
response:
  body:
  string: "{"name":"036411c5-d293-4897-93f7-cb7e72120884","status":"InProgress","startTime":"2019-12-12T19:33:12.343Z"}"
headers:
  cache-control:
  - no-cache
  content-length:
  - '108'
  content-type:
  - application/json; charset=utf-8
date:
  - Thu, 12 Dec 2019 19:33:44 GMT
  expires:
  - '-1'
  pragma:
  - no-cache
  server:
  - Microsoft-HTTPAPI/2.0
  strict-transport-security:
  - max-age=31536000; includeSubDomains
  transfer-encoding:
  - chunked
  vary:
  - Accept-Encoding
  x-content-type-options:
- nosniff
status:
  code: 200
  message: OK
- request:
  body: null
  headers:
    Accept:
      - application/json
    Accept-Encoding:
      - gzip, deflate
    CommandName:
      - sql vm delete
    Connection:
      - keep-alive
    ParameterSetName:
      - -n -g --yes
    User-Agent:
      - python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
        azure-mgmt-sqlvirtualmachine/0.5.0 Azure-SDK-For-Python AZURECLI/2.0.76
    method: GET
    uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-000000000000/providers/Microsoft.SqlVirtualMachine/locations/westus/operationTypes/deletesqlvirtualmachine/operationResults/036411c5-d293-4897-93f7-cb7e72120884?api-version=2017-03-01-preview
response:
  body:
    string: '{"name":"036411c5-d293-4897-93f7-cb7e72120884","status":"InProgress","startTime":"2019-12-12T19:33:12.343Z"}'}
  headers:
    cache-control:
      - no-cache
    content-length:
      - '108'
    content-type:
      - application/json; charset=utf-8
    date:
      - Thu, 12 Dec 2019 19:33:58 GMT
    expires:
      - '-1'
    pragma:
      - no-cache
    server:
      - Microsoft-HTTPAPI/2.0
    strict-transport-security:
      - max-age=31536000; includeSubDomains
    transfer-encoding:
      - chunked
    vary:
- Accept-Encoding
x-content-type-options:
- nosniff
status:
  code: 200
message: OK
- request:
  body: null
  headers:
    Accept:
      - application/json
    Accept-Encoding:
      - gzip, deflate
    CommandName:
      - sql vm delete
    Connection:
      - keep-alive
    ParameterSetName:
      - -n -g --yes
    User-Agent:
      - python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2 azure-mgmt-sqlvirtualmachine/0.5.0 Azure-SDK-For-Python AZURECLI/2.0.76
    method: GET
    uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-000000000000/providers/Microsoft.SqlVirtualMachine/locations/westus/operationTypes/deletesqlvirtualmachine/operationResults/036411c5-d293-4897-93f7-cb7e72120884?api-version=2017-03-01-preview
  response:
    body:
      string: "{"name":"036411c5-d293-4897-93f7-cb7e72120884","status":"InProgress","startTime":"2019-12-12T19:33:12.343Z"}"
    headers:
      cache-control:
      - no-cache
      content-length:
      - '108'
      content-type:
      - application/json; charset=utf-8
      date:
      - Thu, 12 Dec 2019 19:34:13 GMT
      expires:
      - '-1'
      pragma:
      - no-cache
      server:
      - Microsoft-HTTPAPI/2.0
      strict-transport-security:
      - max-age=31536000; includeSubDomains
      transfer-encoding:
method: GET
uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-000000000000/providers/Microsoft.SqlVirtualMachine/locations/westus/operationTypes/createsqlvirtualmachine/operationResults/6e48c6ed-8eac-462d-8d05-7f598c69158a?api-version=2017-03-01-preview
response:
  body:
    string: '{"name":"6e48c6ed-8eac-462d-8d05-7f598c69158a","status":"InProgress","startTime":"2019-12-12T19:34:30.733Z"}'
  headers:
    - cache-control: no-cache
    - content-length: 108
    - content-type: application/json; charset=utf-8
    - date: Thu, 12 Dec 2019 19:34:47 GMT
    - expires: -1
    - pragma: no-cache
    - server: Microsoft-HTTPAPI/2.0
    - strict-transport-security: max-age=31536000; includeSubDomains
    - transfer-encoding: chunked
    - vary: Accept-Encoding
    - x-content-type-options: nosniff
    - status: code: 200
      message: OK
  - request:
    body: null
    headers:
      Accept:
        - application/json
      Accept-Encoding:
        - gzip, deflate
      CommandName:
        - sql vm create
      Connection:
        - keep-alive
      ParameterSetName:
        - -n -g -l --license-type
      User-Agent:
Open Source Used In Cisco Container Platform 6.1.022250
- n -g -l --license-type
User-Agent:
- python/3.6.7 (Windows-10-10.0.18362-SP0) msrest/0.6.10 msrest_azure/0.6.2
  azure-mgmt-sqlvirtualmachine/0.5.0 Azure-SDK-For-Python AZURECLI/2.0.76
method: GET
uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-
000000000000/providers/Microsoft.SqlVirtualMachine/locations/westus/operationTypes/createsqlvirtualmachine/op
erationResults/6e48c6ed-8eac-462d-8d05-7f598c69158a?api-version=2017-03-01-preview
response:
  body:
    string: '{"name":"6e48c6ed-8eac-462d-8d05-7f598c69158a","status":"InProgress","startTime":"2019-12-
12T19:34:30.733Z"}'
  headers:
    cache-control:
    - no-cache
    content-length:
    - '108'
    content-type:
    - application/json; charset=utf-8
date:
  - Thu, 12 Dec 2019 19:35:17 GMT
expires:
  - '-1'
pragma:
  - no-cache
server:
  - Microsoft-HTTPAPI/2.0
strict-transport-security:
  - max-age=31536000; includeSubDomains
transfer-encoding:
  - chunked
vary:
  - Accept-Encoding
x-content-type-options:
  - nosniff
status:
  code: 200
  message: OK
  request:
    body: null
    headers:
      Accept:
      - application/json
      Accept-Encoding:
      - gzip, deflate
      CommandName:
      - sql vm create
      Connection:
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interactions:
- request:
  body: {'tags': {'date': '2018-07-20T22:53:18Z', 'product': 'azurecli', 'cause': "automation"}, 'location': 'westus'}
  headers: {}
headers:
  cache-control: [no-cache]
  content-length: ['384']
  content-type: [application/json; charset=utf-8]
  date: ['Fri, 20 Jul 2018 22:53:20 GMT']
  expires: ['-1']
  pragma: [no-cache]
  strict-transport-security: [max-age=31536000; includeSubDomains]
  vary: [Accept-Encoding]
  x-content-type-options: [nosniff]
  status: {code: 200, message: OK}

- request:
  body: null
  headers:
    Accept: ['*/*']
    Accept-Encoding: ['gzip, deflate']
    Connection: [keep-alive]
    User-Agent: [python-requests/2.19.1]
    method: GET
  response:
    body: {string: '{
        "$schema":"http://schema.management.azure.com/schemas/2015-01-01/deploymentTemplate.json"
      ,
        "contentVersion":"1.0.0.0",
        "parameters":{}
      ,
        "variables":{
            "Linux":{
            "CentOS":{
                "publisher": "OpenLogic",
                "offer": "CentOS",
                "sku": "7.3",
                "version": "latest"
            },
            "CoreOS":{
                "publisher": "CoreOS",
                "offer": "CoreOS",
                "sku": "Stable",
                "version": "8.1"
            },
            "Debian":{
                "publisher": "credativ",
                "offer": "Debian",
                "sku": "8",
                "version": "latest"
            },
            "openSUSE-Leap": {
                "publisher": "SUSE",
                "offer": "openSUSE-Leap",
                "sku": "42.3",
                "version": "latest"
            },
            "RHEL":{
                "publisher": "RedHat",
                "offer": "RHEL",
                "sku": "7.3",
                "version": "latest"
            },
            "SLES":{
                "publisher": "SUSE",
                "offer": "SLES",
                "sku": "12-SP2",
                "version": "latest"
            },
            "UbuntuLTS":{
                "publisher": "Canonical",
                "offer": "UbuntuServer",
                "sku": "16.04-LTS",
                "version": "latest"
            },
            "Windows":{
                "publisher": "MicrosoftWindowsServer",
                "offer": "WindowsServer",
                "sku": "2016-Datacenter"
            }
        }
    }
method: GET
response:
  body: {string: "{"status":"Running""}"
  headers:
    cache-control: [no-cache]
    content-length: ['20']
    content-type: [application/json; charset=utf-8]
    expires: ['-1']
    pragma: [no-cache]
    strict-transport-security: [max-age=31536000; includeSubDomains]
    vary: [Accept-Encoding]
    x-content-type-options: [nosniff]
    status: {code: 200, message: OK}
- request:
  body: null
  headers:
    Accept: [application/json]

method: GET
response:
  body: {string: "{"status":"Running""}"
  headers:
    cache-control: [no-cache]
    content-length: ['20']
    content-type: [application/json; charset=utf-8]
    date: ['Fri, 20 Jul 2018 22:56:26 GMT']
    expires: ['-1']
    pragma: [no-cache]
    strict-transport-security: [max-age=31536000; includeSubDomains]
    vary: [Accept-Encoding]
    x-content-type-options: [nosniff]
    status: {code: 200, message: OK}
- request:
  body: null
  headers:
    Accept: [application/json]
body: null
headers:
Accept: [application/json]
Accept-Encoding: ['gzip, deflate']
CommandName: [vm create]
Connection: [keep-alive]
Content-Type: [application/json; charset=utf-8]
User-Agent: [python/3.5.2 (Windows-10-10.0.17134-SP0) requests/2.19.1 msrest/0.5.4
msrest_azure/0.4.34 networkmanagementclient/2.0.0rc3 Azure-SDK-For-Python
AZURECLI/2.0.43]
accept-language: [en-US]
method: GET
uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/networkInterfa
ces/winvmVMNic?api-version=2017-10-01
response:
body: {string: "{\r\n \"name\": \"winvmVMNic\",\r\n \"id\": \"/subscriptions/00000000-0000-0000-0000000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/networkInterfa
ces/winvmVMNic\"\
,\r\n \"etag\": \"W/\\\"c464ee66-a062-43ef-9489-3e82b3673c3f\\\"\",\r\n \
\ \"location\": \"westus\",\r\n \"tags\": {},\r\n \"properties\": {\r\n\
\ \"provisioningState\": \"Succeeded\",\r\n \"resourceGuid\": \"c8ac2254-431c-4cf1-a6da-533f5cb0a8a6\"\
,\r\n \"ipConfigurations\": [\r\n
{\r\n
\"name\": \"ipconfigwinvm\"\
,\r\n
\"id\": \"/subscriptions/00000000-0000-0000-0000000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/networkInterfa
ces/winvmVMNic/ipConfigurations/ipconfigwinvm\"\
,\r\n
\"etag\": \"W/\\\"c464ee66-a062-43ef-9489-3e82b3673c3f\\\"\"\
,\r\n
\"properties\": {\r\n
\"provisioningState\": \"Succeeded\"\
,\r\n
\"privateIPAddress\": \"10.0.0.4\",\r\n
\"privateIPAllocationMethod\"\
: \"Dynamic\",\r\n
\"publicIPAddress\": {\r\n
\"id\":\
\ \"/subscriptions/00000000-0000-0000-0000000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/publicIPAddre
sses/winvmPublicIP\"\
\r\n
},\r\n
\"subnet\": {\r\n
\"id\": \"/subscriptions/00000000-0000-0000-0000000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/virtualNetwork
s/winvmVNET/subnets/winvmSubnet\"\
\r\n
},\r\n
\"primary\": true,\r\n
\"privateIPAddressVersion\"\
: \"IPv4\",\r\n
\"isInUseWithService\": false\r\n
}\r\n \
\ }\r\n ],\r\n \"dnsSettings\": {\r\n
\"dnsServers\": [],\r\n\
\
\"appliedDnsServers\": [],\r\n
\"internalDomainNameSuffix\": \"\
nvxyg3qyqkveremqwg2tbk24ba.dx.internal.cloudapp.net\"\r\n },\r\n \"\
macAddress\": \"00-0D-3A-38-0C-1F\",\r\n \"enableAcceleratedNetworking\"\
: false,\r\n \"enableIPForwarding\": false,\r\n \"networkSecurityGroup\"\
: {\r\n
\"id\": \"/subscriptions/00000000-0000-0000-0000000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/networkSecurit
yGroups/winvmNSG\"\
\r\n },\r\n \"primary\": true,\r\n \"virtualMachine\": {\r\n \
\ \"id\": \"/subscriptions/00000000-0000-0000-0000-

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headers:
  cache-control: [no-cache]
  content-length: ['1030']
  content-type: [application/json; charset=utf-8]
  date: ['Fri, 20 Jul 2018 22:57:29 GMT']
  etag: ['W="c07a43dd-92b5-4328-9244-7597387fc8dc"']
  expires: ['-1']
  pragma: [no-cache]
  server: [Microsoft-HTTPAPI/2.0, Microsoft-HTTPAPI/2.0]
  strict-transport-security: [max-age=31536000; includeSubDomains]
  transfer-encoding: [chunked]
  vary: [Accept-Encoding]
  x-content-type-options: [nosniff]
status: {code: 200, message: OK}

request:
  body: null
  headers:
    Accept: [application/json]
    Accept-Encoding: ['gzip, deflate']
    CommandName: [vm show]
    Connection: [keep-alive]
    Content-Type: [application/json; charset=utf-8]
    User-Agent: [python/3.5.2 (Windows-10-10.0.17134-SP0) requests/2.19.1 msrest/0.5.4
               msrest_azure/0.4.34 computemanagementclient/4.0.0rc2 Azure-SDK-For-Python
               AZURECLI/2.0.43]
    accept-language: [en-US]
    method: GET
    uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-
         000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Compute/virtualMachines/winvm/api-version=2017-03-30

response:
  body: {string: "{\n    "properties": {\n      "vmId": "fe619a01-dcdf-4ea8-8c2e-7d8e5a1ad079",\n      "hardwareProfile": {\n        "vmSize": "Standard_DS1_v2"},\n      "storageProfile": {\n        "imageReference": {\n          "publisher": "MicrosoftWindowsServer",\n          "offer": "WindowsServer",\n          "sku": "2012-R2-Datacenter",\n          "version": "latest"},\n        "osDisk": {\n          "name": "winvm_OsDisk_1_eff074277c5f40869188a8b660448437"},\n          "createOption": "FromImage",\n          "caching": "ReadWrite"},\n        "managedDisk": {\n          "storageAccountType": "Premium_LRS"},\n        "id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Compute/disks/winvm_OsDisk_1_eff074277c5f40869188a8b660448437"},\n      "osProfile": {\n        "computerName": "winvm"},\n      "adminUsername": "clitest1234"},\n    "windowsConfiguration": {\n      "provisionVmGuestOSFeatures": {\n        "enableAutomaticUpdates": true,"}
headers:
Accept: [application/json]
Accept-Encoding: ['gzip, deflate']
CommandName: [vm update]
Content-Length: ['1172']
Content-Type: [application/json; charset=utf-8]
User-Agent: [python/3.5.2 (Windows-10-10.0.17134-SP0) requests/2.19.1 msrest/0.5.4
msrest_azure/0.4.34 computemanagementclient/4.0.0rc2 Azure-SDK-For-Python
AZURECLI/2.0.43]
accept-language: [en-US]
method: PUT
uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-
000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Compute/virtualMachines/winvm/api-version=2017-03-30
response:
body: {string: "{\n  "properties": {\n    "vmId": "fe619a01-dcdf-4ea8-8c2e-7d8e5a1ad079",
    "hardwareProfile": {\n      "vmSize": "Standard_DS1_v2",
      "publisher": "MicrosoftWindowsServer",
      "offer": "WindowsServer",
      "sku": "2012-R2-Datacenter",
      "version": "latest",
      "osDisk": {
        "osType": "Windows",
        "name": "winvm_OsDisk_1_eff074277c5f40869188a8b660448437",
        "createOption": "FromImage",
        "caching": "ReadWrite",
        "managedDisk": {
          "storageAccountType": "Premium_LRS",
          "id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Compute/disks/winvm_OsDisk_1_eff074277c5f40869188a8b660448437",
          "diskSizeGB": 127
        }
      },
      "dataDisks": [],
      "osProfile": {\n        "computerName": "winvm",
        "adminUsername": "clitest1234",
        "windowsConfiguration": {\n          "provisionVMAgent": true,
          "enableAutomaticUpdates": true
        }
      },
      "networkProfile": {\n        "networkInterfaces": [{\n          "id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/networkInterfaces/winvmVMNic"
        }]
      },
      "licenseType": "None",
      "provisioningState": "Updating",
      "type": "Microsoft.Compute/virtualMachines",
      "location": "westus",
      "tags": []
    }
  },
  "type": "Microsoft.Compute/virtualMachines",
  "location": "westus",
  "tags": {},
  "id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Compute/virtualMachines/winvm"
}
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User-Agent: [python-requests/2.19.1]
method: GET
response:

body: {
  "contentVersion": "1.0.0.0",
  "parameters": {},
  "variables": {},
  "resources": [],

  "outputs": {
    "aliases": {
      "Linux": {
        "CentOS": {
          "publisher": "OpenLogic",
          "offer": "CentOS",
          "sku": "7.3",
          "version": "latest"
        },
        "CoreOS": {
          "publisher": "CoreOS",
          "offer": "CoreOS",
          "sku": "Stable",
          "version": "latest"
        },
        "Debian": {
          "publisher": "credativ",
          "offer": "Debian",
          "sku": "8",
          "version": "latest"
        },
        "openSUSE-Leap": {
          "publisher": "SUSE",
          "offer": "openSUSE-Leap",
          "sku": "42.3",
          "version": "latest"
        },
        "RHEL": {
          "publisher": "RedHat",
          "offer": "RHEL",
          "sku": "7.3",
          "version": "latest"
        },
        "SLES": {
          "publisher": "SUSE",
          "offer": "SLES",
          "sku": "12-SP2",
          "version": "latest"
        },
        "UbuntuLTS": {
          "publisher": "Canonical",
          "offer": "UbuntuServer",
          "sku": "16.04-LTS",
          "version": "latest"
        },
        "Windows": {
          "Win2016Datacenter": {
            "publisher": "MicrosoftWindowsServer",
            "offer": "WindowsServer",
            "sku": "2016-Datacenter",
            "version": "latest"
          },
          "Win2012R2Datacenter": {
            "publisher": "MicrosoftWindowsServer",
            "offer": "WindowsServer",
            "sku": "2012-R2-Datacenter",
            "version": "latest"
          },
          "Win2012Datacenter": {
            "publisher": "MicrosoftWindowsServer",
            "offer": "WindowsServer",
            "sku": "2012-Datacenter",
            "version": "latest"
          },
          "Win2008R2SP1": {
            "publisher": "MicrosoftWindowsServer",
            "offer": "WindowsServer",
            "sku": "2008-R2-SP1",
            "version": "latest"
          }
        }
      }
    }
  }
}

headers: accept-ranges: [bytes]
access-control-allow-origin: [*]
cache-control: [max-age=300]
connection: [keep-alive]
content-length: ['2235']
content-security-policy: [default-src 'none'; style-src 'unsafe-inline'; sandbox]
Open Source Used In Cisco Container Platform 6.1.022284
AZURECLI/2.0.43
method: GET
response:
body: {string: '{"status": "Running"}'}
headers:
cache-control: [no-cache]
content-length: ['20']
content-type: [application/json; charset=utf-8]
date: ['Fri, 20 Jul 2018 23:00:59 GMT']
expires: ['-1']
pragma: [no-cache]
strict-transport-security: [max-age=31536000; includeSubDomains]
 vary: [Accept-Encoding]
x-content-type-options: [nosniff]
status: {code: 200, message: OK}
- request:
body: null
headers:
Accept: [application/json]
Accept-Encoding: ['gzip, deflate']
CommandName: [vmss create]
Connection: [keep-alive]
User-Agent: [python/3.5.2 (Windows-10-10.0.17134-SP0) requests/2.19.1 msrest/0.5.4 msrest_azure/0.4.34 resourcemanagementclient/2.0.0rc2 Azure-SDK-For-Python
AZURECLI/2.0.43]
method: GET
response:
body: {string: '{"status": "Running"}'}
headers:
cache-control: [no-cache]
content-length: ['20']
content-type: [application/json; charset=utf-8]
date: ['Fri, 20 Jul 2018 23:01:30 GMT']
expires: ['-1']
pragma: [no-cache]
strict-transport-security: [max-age=31536000; includeSubDomains]
 vary: [Accept-Encoding]
x-content-type-options: [nosniff]
status: {code: 200, message: OK}
- request:
body: null
headers:
Open Source Used In Cisco Container Platform 6.1.022293
"westus", "tags": {}, "id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Compute/virtualMachineScaleSets/winvmss",

"name": "winvmss"}

headers:
cache-control: [no-cache]
content-length: ['2546']
content-type: [application/json; charset=utf-8]
date: ['Fri, 20 Jul 2018 23:02:34 GMT']
expires: ['-1']
pragma: [no-cache]
server: [Microsoft-HTTPAPI/2.0, Microsoft-HTTPAPI/2.0]
strict-transport-security: [max-age=31536000; includeSubDomains]
transfer-encoding: [chunked]
var:
-x-content-type-options: [nosniff]
x-ms-ratelimit-remaining-resource:
[Microsoft.Compute/GetVMScaleSet3Min;194, Microsoft.Compute/GetVMScaleSet30Min;1451]
status: {code: 200, message: OK}

- request:
  body: 'b''{"properties": {"upgradePolicy": {"automaticOSUpgrade": false, "mode": "Manual"}, "virtualMachineProfile": {"osProfile": {"secrets": [], "adminUsername": "clitest1234", "computerNamePrefix": "winvmf064", "windowsConfiguration": {"provisionVMAgent": true, "enableAutomaticUpdates": true }}, "networkProfile": {"networkInterfaceConfigurations": [{"properties": {"ipConfigurations": [{"properties": {"privateIPAddressVersion": "IPv4", "loadBalancerBackendAddressPools": [{"id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/loadBalancers/winvmssLB/backendAddressPools/winvmssLBBEPool"}],
          "subnet": [{"id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/virtualNetworks/winvmVNET/subnets/winvmSubnet"}],
          "loadBalancerInboundNatPools": [{"id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/loadBalancers/winvmssLB/inboundLoadBalancers/winvmssLBNatPool"]}],
          "name": "winvmf064Nic"}], "licenseType": "None", "storageProfile": {"osDisk": {"caching": "ReadWrite", "createOption": "FromImage", "managedDisk": {"storageAccountType": "Premium_LRS"}}, "imageReference": {"offer": "WindowsServer", "publisher": "MicrosoftWindowsServer", "version": "latest", "sku": "2012-R2-Datacenter"}}},
        "overprovision": true, "singlePlacementGroup": true}, "tags": {}, "sku": {"name": "Standard_DS1_v2", "tier": "Standard", "capacity": 1}, "location": "westus"}}''

headers:
Accept: [application/json]
Accept-Encoding: ['gzip, deflate']
CommandName: [vmsss update]
Connection: [keep-alive]
Content-Length: ['1826']
Content-Type: [application/json; charset=utf-8]
['Microsoft.Compute/GetOperation3Min;14981,Microsoft.Compute/GetOperation30Min;29870']
status: { code: 200, message: OK }
- request:
  body: null
  headers:
    Accept: [application/json]
    Accept-Encoding: ['gzip, deflate']
    CommandName: [vmss update]
    Connection: [keep-alive]
    User-Agent: [python/3.5.2 (Windows-10-10.0.17134-SP0) requests/2.19.1 msrest/0.5.4
    msrest_azure/0.4.34 computemanagementclient/4.0.0rc2 Azure-SDK-For-Python
    AZURECLI/2.0.43]
method: GET
uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-0000
000000000000/providers/Microsoft.Compute/locations/westus/operations/ae6d8dc3-0456-43f4-91f0-
078879e909d0?api-version=2017-03-30
response:
  body: {string: "{\n    "startTime": "2018-07-20T23:02:35.6157875+00:00",
    "status": "InProgress",
    "name": "ae6d8dc3-0456-43f4-91f0-078879e909d0"\n}\n}
  headers:
    cache-control: [no-cache]
    content-length: ['134']
    content-type: [application/json; charset=utf-8]
    date: ['Fri, 20 Jul 2018 23:03:23 GMT']
    expires: ['-1']
    pragma: [no-cache]
    server: [Microsoft-HTTPAPI/2.0, Microsoft-HTTPAPI/2.0]
    strict-transport-security: [max-age=31536000; includeSubDomains]
    transfer-encoding: [chunked]
    vary: [Accept-Encoding]
    x-content-type-options: [nosniff]
    x-ms-ratelimit-remaining-resource:
['Microsoft.Compute/GetOperation3Min;14982,Microsoft.Compute/GetOperation30Min;29869']
status: { code: 200, message: OK }
- request:
  body: null
  headers:
    Accept: [application/json]
    Accept-Encoding: ['gzip, deflate']
    CommandName: [vmss update]
    Connection: [keep-alive]
    User-Agent: [python/3.5.2 (Windows-10-10.0.17134-SP0) requests/2.19.1 msrest/0.5.4
    msrest_azure/0.4.34 computemanagementclient/4.0.0rc2 Azure-SDK-For-Python
    AZURECLI/2.0.43]
method: GET
uri: https://management.azure.com/subscriptions/00000000-0000-0000-0000-0000
000000000000/providers/Microsoft.Compute/locations/westus/operations/ae6d8dc3-0456-43f4-91f0-
method: GET
response:

body: |
  { 
    "sku": { 
      "name": "Standard_DS1_v2",
      "tier": "Standard",
      "capacity": 1
    },
    "properties": { 
      "singlePlacementGroup": true,
      "upgradePolicy": { },
      "mode": "Manual",
      "automaticOSUpgrade": false
    },
    "virtualMachineProfile": { 
      "osProfile": { 
        "singlePlacementGroup": true,
        "upgradePolicy": { 
          "mode": "Manual",
          "automaticOSUpgrade": false
        },
        "computerNamePrefix": "winvmf064",
        "adminUsername": "clitest1234",
        "provisionVMAgent": true,
        "enableAutomaticUpdates": true
      },
      "secrets": [],
      "caching": "ReadWrite",
      "managedDisk": { },
      "storageProfile": { 
        "osDisk": { 
          "createOption": "FromImage",
          "caching": "ReadWrite",
          "managedDisk": { 
            "storageAccountType": "Premium_LRS"
          }
        },
        "imageReference": { 
          "publisher": "MicrosoftWindowsServer",
          "offer": "WindowsServer",
          "sku": "2012-R2-Datacenter",
          "version": "latest"
        }
      },
      "networkProfile": { 
        "networkInterfaceConfigurations": [ 
          { 
            "name": "winvmf064Nic",
            "properties": { 
              "primary": true,
              "enableAcceleratedNetworking": false,
              "dnsSettings": { },
              "ipConfigurations": [ 
                { 
                  "name": "winvmf064IPConfig",
                  "properties": { 
                    "subnet": { 
                      "id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/virtualNetworks/winvmVNET/subnets/winvmSubnet"
                    }
                  }
                ]
              ]
            }
          ]
        },
        "loadBalancerBackendAddressPools": [ 
          { 
            "id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/loadBalancers/winvmssLB/backendAddressPools/winvmssLBBEPool"
          }
        ],
        "loadBalancerInboundNatPools": [ 
          { 
            "id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Network/loadBalancers/winvmssLB/inboundNatPools/winvmssLBNatPool"
          }
        ]
      }
    },
    "licenseType": "None",
    "overprovision": true,
    "uniqueId": "9a771ba4-96cc-48e3-8f24-20af9ca00609",
    "provisioningState": "Succeeded",
    "location": "westus",
    "tags": { },
    "id": "/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/cli_test_windows_license_type000001/providers/Microsoft.Compute/virtualMachineScaleSets/winvmss",
    "name": "winvmss"
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server: [Microsoft-HTTPAPI/2.0, Microsoft-HTTPAPI/2.0]
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Azure CLI

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1.710 json5 1.0.1

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[others]: https://github.com/json5/json5/contributors
1.711 libxshmfence 1.3-1

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1.712 json 1.8.3

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# Should pop up a GUI window

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%matplotlib
import matplotlib.pyplot as plt
plt.plot([1,2,3])
```

```python

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}
1.713 librepo 1.10.3-3.el8

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  cmd/krb5/slave/kpropd_rpc.c
  lib/gss_mechs/mech_krb5/etc/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
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lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
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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
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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
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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"Source code" for a work means the preferred form of the work for
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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
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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the 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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1.722 libacl 2.2.53-4

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

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1.733 info 5.1 5.el7

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The node you are looking for is at <a href="index.html#Copying-information">Copying information</a>.</p>

use vars qw(%result_texis %result_texts %result_trees %result_errors
  %result_indices %result_sectioning %result_nodes %result_menus
  %result_floats %result_converted %result_converted_errors
  %result_elements %result_directions_text);

use utf8;

$result_trees{'copying_not_closed'} = {
  contents' => [ 
    
    'cmdname' => 'copying',
    'contents' => [ 
      
      'extra' => {
        'command' => {},
      },
      'parent' => {},
      'text' => ',
    'type' => 'empty_line_after_command'
    },
    
    'parent' => {},
  ].
}
This is a copyright notice

'\text{'}
'type' => 'empty_line'
},
{
'contents' => [
{
'parent' => {},
'text' => 'This is a copyright notice

'}
],
'parent' => {},
'type' => 'paragraph'
}],
'extra' => {
'spaces_after_command' => {}
},
'line_nr' => {
'file_name' => '',
'line_nr' => 1,
'macro' => "
},
'parent' => {}
],
'type' => 'text_root'
};
$result_trees{'copying_not_closed'}{'contents'}[0]['contents'][0]['extra']['command'] = $result_trees{'copying_not_closed'}{'contents'}[0];
$result_trees{'copying_not_closed'}{'contents'}[0]['contents'][0]['parent'] = $result_trees{'copying_not_closed'}{'contents'}[0];
$result_trees{'copying_not_closed'}{'contents'}[0]['contents'][1]['parent'] = $result_trees{'copying_not_closed'}{'contents'}[0];
$result_trees{'copying_not_closed'}{'contents'}[0]['contents'][2]['contents'][0]['parent'] = $result_trees{'copying_not_closed'}{'contents'}[0]['contents'][2];
$result_trees{'copying_not_closed'}{'contents'}[0]['contents'][2]['parent'] = $result_trees{'copying_not_closed'}{'contents'}[0];
$result_trees{'copying_not_closed'}{'contents'}[0]['extra']['spaces_after_command'] = $result_trees{'copying_not_closed'}{'contents'}[0]['extra']['spaces_after_command'];
$result_trees{'copying_not_closed'}{'contents'}[0]['contents'][0]['parent'] = $result_trees{'copying_not_closed'}{

$result_texis{'copying_not_closed'} = '@copying

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'\text{'}
This is a test manual, trivially and explicitly in the public domain.

--> 
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
  <head>
    <title>Top: Appendix A Copying and indices</title>

  <meta name="description" content="Top: Appendix A Copying and indices">
  <meta name="keywords" content="Top: Appendix A Copying and indices">
  <meta name="resource-type" content="document">
  <meta name="distribution" content="global">
  <meta name="Generator" content="texi2any">
  <meta http-equiv="Content-Type" content="text/html; charset=utf-8">
  <style type="text/css">
    a.summary-letter { text-decoration: none }
    blockquote.smallquotation { font-size: smaller }
    div.display { margin-left: 3.2em }
    div.example { margin-left: 3.2em }
    div.indentedblock { margin-left: 3.2em }
    div.lisp { margin-left: 3.2em }
    div.smalldisplay { margin-left: 3.2em }
    div.smallexample { margin-left: 3.2em }
    div.smallindentedblock { margin-left: 3.2em; font-size: smaller }
    div.smalllisp { margin-left: 3.2em }
  </style>
</head>
<body>
In the appendix, we print the indices and references.
Copying information

Public domain reference

Titlepage anchor

Titlepage footnote anchor

Jump to:

Sections:

COPYING APPENDIX

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PUBLIC DOMAIN

TITLEPAGE FOOTNOTE

TITLEPAGE INDEX

Jump to:
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Version 2.1, February 1999  

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<title>Top: Appendix A Copying and indices</title>
<meta name="description" content="Top: Appendix A Copying and indices">
<meta name="keywords" content="Top: Appendix A Copying and indices">
<meta name="resource-type" content="document">
<meta name="distribution" content="global">
<meta name="Generator" content="texi2any">
<meta http-equiv="Content-Type" content="text/html; charset=utf-8">
<style type="text/css">
  a.summary-letter {text-decoration: none}
  blockquote.smallquotation {font-size: smaller}
  div.display {margin-left: 3.2em}
  div.example {margin-left: 3.2em}
  div.indentedblock {margin-left: 3.2em}
  div.lisp {margin-left: 3.2em}
  div.smalldisplay {margin-left: 3.2em}
  div.smallexample {margin-left: 3.2em}
  div.smallindentedblock {margin-left: 3.2em; font-size: smaller}
  div.smalllisp {margin-left: 3.2em}
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This is an attempt to acknowledge early contributions to the garbage
collector. Later contributions should instead be mentioned in
README.changes.

HISTORY -

Early versions of this collector were developed as a part of research
projects supported in part by the National Science Foundation
and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for
the Russell programming language implementation. The first version of the
garbage collector was written primarily by Al Demers. It was then refined
and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U.,
the University of Washington, Rice University (where it was first used for
C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant
contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in
README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser.
The Encore Multimax modifications were supplied by
Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely
due to Vernon Lee, on machines made available to Rice by IBM.
Much of the HP specific code and a number of good suggestions for improving the
generic code are due to Walter Underwood.
Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code.
Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk)
subsequently provided updates and information on variation between ULTRIX
systems. Parag Patel (parag@netcom.com) supplied the A/UX code.
Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and
Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.
Thomas Funke (thf@zelator.in-berlin.de(?)) and
Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.
Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.
Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader
specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and
Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and
Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes.
Alistair G. Crooks(age@uts.amdahl.com) supplied the NetBSD and 386BSD ports.
Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.
Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to
a Motorola 88K processor running CX/UX (Harris NightHawk).
Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to
nonIBM development environments (a nontrivial task).
Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.
David Chase, then at Olivetti Research, suggested several improvements.
Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the
code to save and print call stacks for leak detection on a SPARC.
Jesse Hull and John Ellis supplied the C++ interface code.
Zhong Shao performed much of the experimentation that led to the
current typed allocation facility. (His dynamic type inference code hasn't
made it into the released version of the collector, yet.)

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///

[#mpl]
# MPL Support, <boost/mp11 mpl.hpp>
:toc:
:toc-title:
:idprefix:

The header `<boost/mp11 mpl.hpp>`, when included, defines the
necessary support infrastructure for `mp_list` and `std::tuple`
to be valid link:../../../../libs/mp1[ MPL] sequences.
NOTE: `mpl.hpp` is not included by `<boost/mp11.hpp>`.

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

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1.746 libxcb 1.13.1 2
1.746.1 Available under license :

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1.747 dns-root-data 2018013001

1.747.1 Available under license:

Format: https://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
Upstream-Name: IANA Root Zone Management
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1.748 perl-base 5.26.1-6ubuntu0.3

1.748.1 Available under license:

```perl
#!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')


```perl
my $current_year = (gmtime)[5] + 1900;
is $v_year, $current_year, 'perl -v copyright includes current year';
is $readme_year, $current_year, 'README copyright includes current year';
}

# Otherwise simply check that the two copyright dates match each other:
else {
    is $readme_year, $v_year, 'README and perl -v copyright dates match';
}
done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{
    open my $readme, '<', '../README' or die "Opening README failed: $!";

    # The copyright message is the first paragraph:
    local $/ = "";
    my $copyright_msg = <$readme>;

    my ($year) = $copyright_msg =~ /.*($d{4,})/s
        or die "Year not found in README copyright message '$copyright_msg'";

    $year;
}

sub v_year
# returns the latest copyright year shown in perl -v
{
    my $output = runperl switches => ['-v'];
    my ($year) = $output =~ /copyright 1987.*($d{4,})/s
        or die "Copyright statement not found in perl -v output '$output'";

    $year;
}

The "Artistic License"
```
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------------------------------------------------------------------------

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Julian Seward, jseward@bzip.org
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It was later taken over by Matthias Urlichs <smurf@debian.org> and is now maintained by Andreas Metzler <ametzler@debian.org> Eric Dorland <eric@debian.org>, James Westby <jw+debian@jameswestby.net>

It was downloaded from ftp://ftp.gnults.org/gcrypt/gnuTLS/

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lib/extras/randomart.*

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lib/accelerated/x86/elf/aes-ssse3-x86.s
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lib/system/vasprintf.c

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Comment: This code is not used on Debian/*, since we have a working
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lib/extras/hex.c
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Version 3, 19 November 2007


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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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a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

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

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

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

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

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

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided
you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

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To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

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To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

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An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the
extent that warranties are provided), that licensees may convey the
work under this License, and how to view a copy of this License. If
the interface presents a list of user commands or options, such as a
menu, a prominent item in the list meets this criterion.


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

A "Standard Interface" means an interface that either is an official
standard defined by a recognized standards body, or, in the case of
interfaces specified for a particular programming language, one that
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The "System Libraries" of an executable work include anything, other
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implementation is available to the public in source code form. A
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(kernel, window system, and so on) of the specific operating system
(if any) on which the executable work runs, or a compiler used to
produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all
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work) run the object code and to modify the work, including scripts to
control those activities. However, it does not include the work's
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c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

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1.758 libnptlh0 1.6-1

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1.761 lib-curl 7.29.0 54.el7

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axTLS   http://axtls.sourceforge.net/

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c-ares  http://daniel.haxx.se/projects/c-ares/license.html

(Used for asynchronous name resolves) Uses an MIT license that is very liberal and imposes no restrictions on any other library or part you may link with.

zlib    http://www.gzip.org/zlib/zlib_license.html

(Used for compressed Transfer-Encoding support) Uses an MIT-style license that shouldn't collide with any other library.

krb4

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MIT Kerberos http://web.mit.edu/kerberos/www/dist/

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Heimdal http://www.pdc.kth.se/heimdal/

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fbopenssl

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OpenLDAP http://www.openldap.org/software/release/license.html

(Used for LDAP support) Uses a Modified BSD-style license. Since libcurl uses OpenLDAP as a shared library only, I have not heard of anyone that ships OpenLDAP linked with libcurl in an app.

libssh2 http://www.libssh2.org/

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1.762 wrapt 1.11.2

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1.763 libmaxminddb-dev 1.3.2-1

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1.764 heptio-authenticator-aws
0.2.0~pre+git8c9b1bd-0ubuntu1

1.764.1 Available under license:

goproperties - properties file decoder for Go

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func initLGPL() {
    Licenses["lgpl"] = License{
        Name: "GNU Lesser General Public License",
        PossibleMatches: []string{"lgpl", "lesser gpl", "gnu lgpl"},
        Header: `This program is free software: you can redistribute it and/or modify
it under the terms of the GNU Lesser General Public License as published by
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    Licenses["agpl"] = License{
        Name:            "GNU Affero General Public License",
        PossibleMatches: []string{"agpl", "affero gpl", "gnu agpl"},
        Header: `'
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func initBsdClause2() {

Licenses["freebsd"] = License{
    Name: "Simplified BSD License",
    PossibleMatches: []string{"freebsd", "simpbsd", "simple bsd", "2-clause bsd",
        "2 clause bsd", "simplified bsd license"},
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package cmd

import (
    "strings"
    "time"
)

"github.com/spf13/viper"

// Licenses contains all possible licenses a user can choose from.
var Licenses = make(map[string]License)

// License represents a software license agreement, containing the Name of
// the license, its possible matches (on the command line as given to cobra),
// the header to be used with each file on the file's creating, and the text
// of the license
type License struct {
    Name            string   // The type of license in use
    PossibleMatches []string // Similar names to guess
    Text            string   // License text data
    Header          string   // License header for source files
}

func init() {
    // Allows a user to not use a license.
    Licenses["none"] = License{"None", []string{"false"}, "", ""}

    initApache2()
    initMit()
    initBsdClause3()}
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)
} 
return Licenses[found]
}

// matchLicense compares the given a license name
// to PossibleMatches of all built-in licenses.
// It returns blank string, if name is blank string or it didn't find
// then appropriate match to name.
func matchLicense(name string) string {
    if name == "" {
        return ""
    }
    for key, lic := range Licenses {
        for _, match := range lic.PossibleMatches {
            if strings.EqualFold(name, match) {
                return key
            }
        }
    }
    return ""
}

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        Name: "MIT License",
        PossibleMatches: []string{"mit"},
        Header: `Permission is hereby granted, free of charge, to any person obtaining a copy
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        Name: "NewBSD",
        PossibleMatches: []string{"bsd", "newbsd", "3 clause bsd", "3-clause bsd"},
        Header: `All rights reserved.
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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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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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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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import "testing"

func TestIntegrationLicense(t *testing.T) {
    license := License{"the name", "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 cmd

func initGpl2() {
    Licenses["gpl2"] = License{
        Name:            "GNU General Public License 2.0",
        PossibleMatches: []string{"gpl2", "gnu gpl2", "gplv2"},
        Header: `This program is free software; you can redistribute it and/or 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.

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    Licenses["gpl3"] = License{
        Name:            "GNU General Public License 3.0",
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#+TITLE: List of code with permissive licenses as used by GnuPG.
#+STARTUP: showall

* DNS resolver (dirmng/drns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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1.770 libssl 1.1.1c

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* (available at ftp://ftp.lazerware.com/MacBinaryIII_src_C.sit

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Kai Uwe Rommel (OS/2), John Bush and Paul Kienitz (Amiga), Antoine
Verheijen (Macintosh), Hunter Goatley (more VMS), Mike White (Windows
DLLs), Christian Spieler (overall logic, optimization, VMS, etc.) and
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The decompression core code for the deflate method (inflate.[ch],
explode.c) was originally written by Mark Adler who submitted it
as public domain code.

1.772 libgcrypt 1.7.6 2+deb9u3

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It was taken over by Matthias Urlichs <smurf@debian.org>, and is now
maintained by Andreas Metzler <ametzler@debian.org> Eric Dorland
<eric@debian.org>, James Westby <jw+debian@jameswestby.net>

It was downloaded from https://ftp.gnupg.org/gcrypt/libgcrypt/.

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LIBGCRIPT Werner Koch 2001-06-07 
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Assignment for future changes terminated on 2012-12-04.
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GNUPG Matthew Skala 1998-08-10
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Wrote cipher/twofish.c.

GNUPG Natural Resources Canada 1998-08-11
Disclaims changes by Matthew Skala.
GNUPGMichael Roth Germany 1998-09-17
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mroth@nessie.de
Wrote cipher/des.c.
Changes and bug fixes all over the place.

GNUPGNiklas Hernaeus 1998-09-18
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ANY g10 Code GmbH 2001-06-07
Assignment for future changes terminated on 2012-12-04.
Code marked with ChangeLog entries of g10 Code employees.

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GNUTLS Nikolaos Mavrogiannopoulos 2003-11-22
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Original code for cipher/rfc2268.c.

LIBGCRYPT The Written Word 2005-04-15
Assigns past and future changes. (new: src/libgcrypt.pc.in, src/Makefile.am, src/secmem.c, mpi/hppa1.1/mpih-mul3.S, mpi/hppa1.1/udiv-qrnd.S, 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, tests/keygen.c, tests/pubkey.c, configure.ac, acinclude.m4)

LIBGCRYPT Brad Hards 2006-02-09
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bradh@frogmouth.net
(Added OFB mode. Changed cipher/cipher.c, test/basic.c doc/gcrypt.tex.
added SHA-224, changed cipher/sha256.c, added HMAC tests.)

LIBGCRYPT    Hye-Shik Chang  2006-09-07
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LIBGCRYPT    Werner Dittmann  2009-05-20
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LIBGCRYPT    Andrey Jivsov    2010-12-09
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(cipher/ecc.c and related files)

LIBGCRYPT    Ulrich Muller   2012-02-15
Assigns Past and Future Changes
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(Changes to cipher/idea.c and related files)

LIBGCRYPT    Vladimir Serbinenko 2012-04-26
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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>.

The files cipher/rndunix.c and cipher/rndw32.c are based on those files from Cryptlib. Copyright Peter Gutmann, Paul Kendall, and Chris Wedgwood 1996-1999.

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 been taken from the original NTT provided GPL source.

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- cipher/sha512-avx2-bmi2-amd64.S
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Current versions of the ncurses sources are found at ftp://invisible-island.net/ncurses/.

It is based somewhat on work done by Bruce Perens <Bruce@Pixar.com>,
David Engel <david@elo.ods.com>, Michael Alan Dorman <mdorman@debian.org>, Richard Braakman <dark@xs4all.nl>, James Troup <jjtroup@comp.brad.ac.uk>, J.H.M. Dassen (Ray) <jdassen@wi.LeidenUniv.nl>, and Galen Hazelwood <galenh@micron.net> over various years.

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

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.
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1.796 python 3.7.3-1

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This package was put together by Klee Dienes <klee@debian.org> from sources from ftp.python.org:/pub/python, based on the Debianization by the previous maintainers Bernd S. Brentrup <bsb@uni-muenster.de> and Bruce Perens.

Current maintainer is Matthias Klose <doko@debian.org> until the final 2.3 version is released.

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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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Protocol Buffers for Go with Gadgets

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

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1.798 babel-plugin-syntax-class-properties

6.13.0

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Then the package has been maintained by Charles Briscoe-Smith <cpbs@debian.org>. I gathered data for the 1999-2001 calendar files from various sources on the Internet, and I'd also like to thank Oliver Elphick, Julian Gilbey, Daniel Martin and Jaldhar H. Vyas for providing much useful data on the various religious calendars. I have edited the files they provided to fit calendar's requirements, so any errors should be attributed to me.

After cpbs@debian.org, Marco d'Itri <md@linux.it> maintained it for almost two years, before Tollef Fog Heen <tfheen@debian.org> took over. The package is now maintained by Graham Wilson <bob@decoy.wox.org>.

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1.804 sysvinit-utils 2.93-8

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That's all there is to it!
This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
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This package was added to the e2fsprogs debian source package by
Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

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

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

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

#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#

all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$(BSD_LIB)

$(BSD_LIB): $(OBJ)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS) $(OBJ))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) $(my_dir) $(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \ $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB) \ @-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall:: $(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean:: $(RM) -rf pic $(RM) -f $(BSD_LIB) $(RM) -f ../$(BSD_LIB)

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Index: tdbsa/tdb.c
===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@
 /*
- * trivial database library - standalone version
+ * trivial database library - private includes
 */

- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
+
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1.808 libidn 2.2.0-1.el8

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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{        
        Key: "dvs",        
        Value: "vSphere Distributed Switch",      
      },      
    },  
  },  
}


type LicenseManager struct {  
  mo.LicenseManager
}

func NewLicenseManager(ref types.ManagedObjectReference) object.Reference {  
  m := &LicenseManager{}  
  m.Self = ref  
  m.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{
                Kind:   "hostSystem",
                Value:  req.EntityId,
            }
            body.EntityId = id
        }
    }

    return body
}
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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mgo - MongoDB driver for Go

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// For more information: http://goo.gl/8us55a#licenseObject
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    URL  string `json:"url,omiteempty"`
}

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

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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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The Debian packaging was started by Stephen M Moraco <stephen@debian.org> and then was taken over in late 2006 by Cyril Brulebois, placing his work under the same terms as graphviz itself.

2006-2008, Cyril Brulebois <cyril.brulebois@enst-bretagne.fr>

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Author: Adam Conrad <adconrad@ubuntu.com>

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+++ glibc-2.21/include/features.h
@@ -145,7 +145,10 @@
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Gadi Oxman, August 1995

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

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This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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#
# This is a Makefile stub which handles the creation of BSD shared libraries.
#
# In order to use this stub, the following makefile variables must be defined.
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$(BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../>.$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) `echo $(my_dir) | sed -e 's;lib/;;'"/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$($(INSTALL_PROGRAM) $(BSD_LIB)
$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(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 Fri Dec 14 22:24:35 EST 2007

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

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This 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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--- 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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1.840 ruby-power-assert 0.3.0 1

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1.841 json-glib 1.4.2 2.el7

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-- $Id: COPYING,v 1.6 2018/01/01 12:00:00 tom Exp $
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```
gMsg = "Search SQLite Docs..."
function entersearch() {
    var q = document.getElementById("q");
    if( q.value == gMsg ) { q.value = "" }
    q.style.color = "black"
    q.style.fontStyle = "normal"
}
function leavesearch() {
    var q = document.getElementById("q");
    if( q.value == "" ) {
        q.value = gMsg
        q.style.color = "#044a64"
        q.style.fontStyle = "italic"
    }
}
</script>

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1.844 azure-mgmt-datalake-store 0.5.0

1.845 highlightjs 9.12.0

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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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package cmd

func initGpl2() {
    Licenses["gpl2"] = License{
        Name: "GNU General Public License 2.0",
        PossibleMatches: []string{"gpl2", "gnu gpl2", "gplv2"},
        Header: `This program is free software; you can redistribute it and/or 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.

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tomb - support for clean goroutine termination in Go.

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BSON library for Go

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package cmd

import (  
    "strings"  
    "time"  
    "github.com/spf13/viper"  
)

// Licenses contains all possible licenses a user can choose from.
var Licenses = make(map[string]License)

// License represents a software license agreement, containing the Name of
// the license, its possible matches (on the command line as given to cobra),
// the header to be used with each file on the file's creating, and the text
// of the license
type License struct {  
    Name            string   // The type of license in use  
    PossibleMatches []string // Similar names to guess  
    Text            string   // License text data  
    Header          string   // License header for source files
func init() {
// Allows a user to not use a license.
Licenses["none"] = License{"None", []string{"none", "false"}, "", ""}

initApache2()
initMit()
initBsdClause3()
initBsdClause2()
initGpl2()
initGpl3()
initLgpl()
initAgpl()
}

// getLicense returns license specified by user in flag or in config.
// If user didn't specify the license, it returns Apache License 2.0.
//
// TODO: Inspect project for existing license
func getLicense() License {
// If explicitly flagged, use that.
if userLicense != "" {
    return findLicense(userLicense)
}

// If user wants to have custom license, use that.
if viper.IsSet("license.header") || viper.IsSet("license.text") {
    return License{Header: viper.GetString("license.header"),
                   Text: viper.GetString("license.text")}
}

// If user wants to have built-in license, use that.
if viper.IsSet("license") {
    return findLicense(viper.GetString("license"))
}

// If user didn't set any license, use Apache 2.0 by default.
return Licenses["apache"]
}

func copyrightLine() string {
    author := viper.GetString("author")
    year := viper.GetString("year") // For tests.
    if year == "" {
        year = time.Now().Format("2006")
    }

    return "Author:", author, " Year:", year
}
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)
  }
  return Licenses[found]
}

// matchLicense compares the given a license name
// to PossibleMatches of all built-in licenses.
// It returns blank string, if name is blank string or it didn't find
// then appropriate match to name.
func matchLicense(name string) string {
  if name == "" {
    return ""
  }
  for key, lic := range Licenses {
    for _, match := range lic.PossibleMatches {
      if strings.EqualFold(name, match) {
        return key
      }
    }
  }
  return ""
}

Paul Borman <borman@google.com>
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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: `This program is free software: you can redistribute it and/or modify
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        PossibleMatches: []string{"lgpl", "lesser gpl", "gnu lgpl"},
        Header: `This program is free software: you can redistribute it and/or modify
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Licenses["bsd"] = License{
Name: "NewBSD",
PossibleMatches: []string{"bsd", "newbsd", "3 clause bsd", "3-clause bsd"},
Header: `All rights reserved.
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    Licenses["freebsd"] = License{
        Name: "Simplified BSD License",
        PossibleMatches: []string{"freebsd", "simpbsd", "simple bsd", "2-clause bsd",
            "2 clause bsd", "simplified bsd license"},
        Header: `All rights reserved.
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import (  
"testing"
)

func TestRegisterLicense(t *testing.T) {  
initial := len(licenses)  
RegisterLicense("dummy")  
if initial+1 != len(licenses) {  
t.Fatal("didn't add a license")  
}
}

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package legal

var licenses []string

// RegisterLicense stores the license text.
// It doesn't check whether the text was already present.
func RegisterLicense(text string) {
    licenses = append(licenses, text)
    return
}

// Licenses returns a slice of the licenses.
func Licenses() []string {
    return licenses
}

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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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        Name: "GNU Affero General Public License",
        PossibleMatches: []string{"agpl", "affero gpl", "gnu agpl"),
        Header: `
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1.851 findutils 4.6.0+git+20170828 2

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History
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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.

The project repository then had a clean start with some files taken from Python 2.7.1, so definitely all files are under Python License now.

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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1.861 x11-common 1:7.7+19ubuntu7.1

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Source Package: xorg

Debian/Ubuntu package authors: Branden Robinson, Fabio M. Di Nitto, Daniel Stone and others
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1.862 liblzma 5.2.2-1.2+b1

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

[...]

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        Free Software Foundation, Inc.
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Other-Authors: Roland McGrath, Akim Demaille, Paul Eggert,
        David Mackenzie, Bruno Haible, and many others.
Origin: configure.ac from XZ Utils,
        visibility.m4 serial 1 (gettext-0.15),
        Autoconf 2.52g
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dos/config.h was generated with autoheader, which tells Autoconf to
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Origin: gettext-runtime/po/Makevars (gettext-0.12)
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doc/sitemap_gen.py

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util/unlink.py
--------------

backport frop python3 Lib/test/support.py

gunicorn/selectors.py
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 lib/krb5/kadm5/kadm_host_srv_names.c
 lib/krb5/kdb/kdb_convert.c
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 lib/krb5/kdb/kdb_log.c
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 lib/libgss/g_seal.c
 lib/libgss/g_sign.c
 lib/libgss/g_store_crd.c
 lib/libgss/g_unseal.c
```
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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in "src/lib/gssapi", including the following files:

lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
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lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
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
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c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the

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1.867 gobject-introspection 1.56.1 1.el7

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

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

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

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

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a) 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
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1.872 azure-mgmt-authorization 0.52.0

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1.874 kubectl 1.15.6-00

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mgo - MongoDB driver for Go

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Protocol Buffers for Go with Gadgets

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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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goproperties - properties file decoder for Go

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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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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 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{}}
    }
    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 NewLicenseManager(ref types.ManagedObjectReference) object.Reference {
  m := &LicenseManager{  
    Self = ref
    m.Licenses = []types.LicenseManagerLicenseInfo{EvalLicense}
  }  
  if Map.IsVXP() {  
    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
                }
            } else {
                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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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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Prometheus instrumentation library for Go applications

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regcomp.c:
regenc.[ch]:
regerror.c:
regexec.c:
regint.h:
regparse.[ch]:
enc/ascii.c
cenc/bi5.c
cenc/cp949.c
cenc/emacs_mule.c
cenc/encdb.c
cenc/euc_jp.c
cenc/euc_kr.c
cenc/euc_tw.c
cenc/gb18030.c
cenc/gb2312.c
cenc/gbk.c
cenc/iso_8859_1.c
cenc/iso_8859_10.c
cenc/iso_8859_11.c
cenc/iso_8859_13.c
cenc/iso_8859_14.c
cenc/iso_8859_15.c
cenc/iso_8859_16.c
cenc/iso_8859_2.c
cenc/iso_8859_3.c
cenc/iso_8859_4.c
cenc/iso_8859_5.c
cenc/iso_8859_6.c
cenc/iso_8859_7.c
cenc/iso_8859_8.c
cenc/iso_8859_9.c
cenc/koi8_r.c
enc/koi8_u.c
enc/shiftjis.c
enc/unicode.c
enc/us_ascii.c
enc/utf_16be.c
enc/utf_16le.c
enc/utf_32be.c
enc/utf_32le.c
enc/utf_8.c
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random.c

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A C-program for MT19937, with initialization improved 2002/2/10. Coded by Takuji Nishimura and Makoto Matsumoto. This is a faster version by taking Shawn Cokus's optimization, Matthe Bellew's simplification, Isaku Wada's real version.

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

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vm_dump.c:procstat_vm

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st.[ch]:
missing/alloca.c:
missing/dup2.c:
missing/erf.c:
missing/finite.c:
missing/hypot.c:
missing/isinf.c:
missing/isnan.c:
missing/lgamma_r.c:
missing/memcmp.c:
missing/memmove.c:
missing/strchr.c:
missing/strstr.c:
missing/strtol.c:
missing/tgamma.c:
ext/digest/sha1/sha1.[ch]:

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missing/strlcpy.c

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  * e2mmap.rb
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  * irb
  * mathn
  * matrix.rb
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  * sync.rb
  * shell/*
  * thwait.rb
  * tracer.rb

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  * missing/lgamma_r.c
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1.893 google-api-python-client 1.7.11

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Protocol Buffers for Go with Gadgets

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

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

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distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the
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:

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

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

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

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

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

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

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

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

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Glob: storage/maria/ma_commit.c storage/maria/trnman.h storage/maria/trnman_public.h storage/maria/unittest/trnman-t.c include/waiting_threads.h unittest/mysys/waiting_threads-t.c mysys/waiting_threads.c storage/maria/trnman.c include/maria.h

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- Glob: client/async_example.c include/my_context.h mysys/my_context.c storage/connect/inihandl.c \ storage/tokudb/ft-index/third_party/xz-4.999.9beta/lib/getopt.c storage/tokudb/ft-index/third_party/xz-4.999.9beta/lib/getopt.in.h \ storage/tokudb/ft-index/third_party/xz-4.999.9beta/lib/getopt1.c storage/\connect/inihandl.c \ tests/nonblock-wrappers.h tests/async_queries.c sql-common/mysys_async.c
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storage/xtradb/include/pars0grm.h storage/xtradb/pars/pars0grm.cc
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storage/oqgraph/oqgraph_judy.* storage/oqgraph/oqgraph_shim.* storage/oqgraph/oqgraph_thunk.*
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MaxVersion: 5.6
MMagic: text/plain
Contains: |

/*
 * This code implements the MD5 message-digest algorithm.
 * The algorithm is due to Ron Rivest. This code was
 * written by Colin Plumb in 1993, no copyright is claimed.
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 *
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 *
 * The code has been modified by Mikael Ronstroem to handle
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 */

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/*
* This code implements the MD5 message-digest algorithm.

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*
* Equivalent code is available from RSA Data Security, Inc.
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* except that you don't need to include two pages of legalese
* with every copy.
*
* To compute the message digest of a chunk of bytes, declare an
* MD5Context structure, pass it to MD5Init, call MD5Update as
* needed on buffers full of bytes, and then call MD5Final, which
* will fill a supplied 16-byte array with the digest.
*/

/* This code was modified in 1997 by Jim Kingdon of Cyclic Software to
not require an integer type which is exactly 32 bits. This work
draws on the changes for the same purpose by Tatu Ylonen
<ylo@cs.hut.fi> as part of SSH, but since I didn't actually use
that code, there is no copyright issue. I hereby disclaim
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MaxVersion: 5.5.30
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The Debian package of MySQL was first debianized on 1997-04-12 by Christian
Schwarz <schwarz@debian.org> and is maintained since 1999-04-20 by
Christian Hammers <ch@debian.org>.

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

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

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

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

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

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

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

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

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

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

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.
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   You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

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

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

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

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

   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.

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

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

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

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

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

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

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all
the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work’s System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

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

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You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

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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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d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the
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support-files/mysqld_multi.server.sh
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dbbug/dbbug_add_tags.pl
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mysql-test/include/have_perfschema.inc
mysql-test/lib/mtr_cases.pm
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mysql-test/mysql-stress-test.pl
mysql-test/mysql-test-run.pl
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mysql-test/suite/perfschema_stress/include/*
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# README for Debian packaging contributors #

This documentation describes how to contribute to the official Debian packages of MariaDB. The packaging in Debian repositories is not identical to the packaging in mariadb.org repositories, but whatever is in Debian repositories will eventually be upstreamed.

## Development environment and tools

Use a recent version of Debian or Ubuntu as the environment for Debian packaging testing and development. Preferred environment is Debian Sid (unstable).

Install the tool used to manage and build the source
`sudo apt-get install git-buildpackage`

## Getting the source

The official Debian package source is hosted on the Debian Gitlab server under the MariaDB/MySQL packaging team at https://salsa.debian.org/mariadb-team/. You are welcome to fork it and make merge requests.

To get the latest official Debian packaging source of mariadb-10.3, clone the source repository with all relevant branches (master, upstream, pristine-tar) to your local environment using _git-buildpackage_:

```bash
gbp clone --pristine-tar https://salsa.debian.org/mariadb-team/mariadb-10.3.git
```

If you have your own fork and SSH keys set up on Salsa, you can run:

```bash
gbp clone --pristine-tar git@salsa.debian.org:<username>/mariadb-10.3.git
```

The clone needs to be run only once. On later runs you can refresh your clone with relevant branches using

```bash
gbp pull --pristine-tar --force
```
## Building the packages

Build binaries, run testsuite and build Debian packages with
`gbp buildpackage`

On the first run `git-buildpackage` will complain if some of the build dependencies
defined in `debian/control` are missing. Simply install those packages and run the
build again.

A quick command to install all dependencies:
```
sudo mk-build-deps -r -i debian/control -t "apt-get -y -o Debug::pkgProblemResolver=yes --no-install-recommends"
```

If the build fails, the easiest way to clean up before a new run is
```
git clean -fdx && git reset --hard
```

### Build options

If you want to skip the mysql-test-run step (which takes a lot of time) set
the following environment variable:
```
export DEB_BUILD_OPTIONS="nocheck"
```

If you want to run the build in parallel on 2 CPUs and have verbose output:
```
export DEB_BUILD_OPTIONS="parallel=2 verbose"
```

The options above can also be combined freely to get desired behavior.

## Creating a feature or bugfix branch

The repository has the following branch layout:
- * upstream - contains the upstream source releases without modifications
- * pristine-tar - contains extra delta needed to re-create the original
tarballs with the exactly same SHA-1 hash as the original tarballs by upstream
- * master - packaging for Debian Sid (unstable)
- * jessie - release branch for Debian 8 (jessie)
- * stretch - release branch for Debian 9 (stretch)
- * ubuntu-16.04 - release branch for Ubuntu 16.04 (xenial)
- * ubuntu-18.04 - release branch for Ubuntu 18.04 (bionic)

All new features and also bugfixes are done only in the master branch. The
release branches for Debian and Ubuntu are only used for security updates.

To prepare the Salsa pull request, create a bugfix branch from master with:
```
git checkout -b fix-example-name
```
After this you can develop with all the usual git commit and push commands until you have in your fork at Salsa the desired change and you are ready to open the merge request.

### Notes about how to make changes in the proper way

First consider submitting your patch upstream. Upstream MariaDB makes frequent maintenance releases and any fix done upstream will therefore be included in Debian relatively quickly. You can send email to the developers mailing list or open a pull request at https://github.com/MariaDB/server.

Follow these instructions if your fix is about packaging in Debian specifically. Start by using gitk or similar tool to browse the previous changes. Try to follow similar pattern in your new changes.

Keep in mind that all changes must done only for files residing in the debian/ subdirectory. If you need to create changes outside the debian/ directory, then you need to create a patch file using the same pattern as the patches found in debian/patches and activated by a line in debian/patches/series

Do not bundle in your commit any changes to debian/changelog. The correct changelog entries will be created later by the maintainer using git-dch in an automated fashion.

For an example of a patch adding commit see https://github.com/ottok/mariadb-10.0/commit/8d2a7c909

# Using Docker

First make a working directory for the build artefacts. Inside that directory clone the repository. Then start a Docker session using whatever Debian/Ubuntu image you want with the command:

docker run -it -v ${PWD}:/build -w /build debian:sid bash

This will start a session, where you are as the root user in the path /build inside the Docker container. Here you can cd into the source directory, install dependencies and start the build. Note that when you exit the session, everything will be lost apart from the files you had inside the mounted volume in /build.

# Using sbuild

If you prefer sbuild, you can build with something like:

gbp buildpackage --git-builder=sbuild -A -v -d unstable

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In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.
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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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,
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themselves, then this License, and its terms, do not apply to those
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Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

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

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

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

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

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

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

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

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

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

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

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

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

c) Accompany the work with a written offer, valid for at
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than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
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e) Verify that the user has already received a copy of these
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For an executable, the required form of the "work that uses the
Library" must include any data and utility programs needed for
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
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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
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a) Accompany the combined library with a copy of the same work
based on the Library, uncombined with any other library
facilities. This must be distributed under the terms of the
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=========

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Version 3, 19 November 2007

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To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

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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
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   anyone who possesses the object code either (1) a copy of the
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   covered by this License, on a durable physical medium customarily used
   for software interchange, for a price no more than your reasonable cost
   of physically performing this conveying of source, or (2) access to
   copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the
   written offer to provide the Corresponding Source. This alternative is
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d) Convey the object code by offering access from a designated place
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   Corresponding Source in the same way through the same place at no
   further charge. You need not require recipients to copy the
   Corresponding Source along with the object code. If the place to copy
   the object code is a network server, the Corresponding Source may be on
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### Constant-time SSSE3 AES core implementation.

**version 0.1**

**By Mike Hamburg (Stanford University), 2009**

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(c) Local Variables:
c ispell-local-pdict: "ispell-dict"
c End:

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-- $Id: COPYING,v 1.4 2016/01/02 20:24:37 tom Exp $
Upstream source http://invisible-island.net/ncurses/ncurses-examples.html

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

Files: *
Licence: X11

Files: aclocal.m4 package
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-- vile: txtmode file-encoding=utf-8
Upstream source http://invisible-island.net/ncurses/ncurses-examples.html

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

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

1.920 init-system-helpers 1.56+nmu1
1.920.1 Available under license :

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Version 3, 29 June 2007

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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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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Data model artifacts for Prometheus.

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

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mgo - MongoDB driver for Go

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# 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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Feb, 2010

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goproperties - properties file decoder for 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{

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
                }
            }
        }

        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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import "bitbucket.org/ww/goautoneg"

HTTP Content-Type Autonegotiation.

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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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* github.com/kisielk/gotool  https://github.com/kisielk/gotool

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* golang.org/x/mod/module - https://github.com/golang/mod

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* golang.org/x/tools/go/analysis - https://github.com/golang/tools

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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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1.929 x11-xkb-utils 7.7+3ubuntu0.18.04.1

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1.930 tabbable 1.1.3

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1.931 babel-plugin-transform-exponentiation-operator 6.24.1

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

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

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Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

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

<one line to give the program's name and a brief idea of what it does.>
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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

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1.940 gnutls 3.5.18-1ubuntu1.1

1.940.1 Available under license:

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1.942 curl 7.29.0 54.el7

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1.944 msrestazure 0.6.3

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1.945 python-pip 9.0.1 2.3~ubuntu1.18.04.1

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1.946 ec2-hibinit-agent 1.0.0-0ubuntu4~18.04.4

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

That's all there is to it!

Index: tdbsa/tdb.c
===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
*/
/*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
-
- Copyright (C) Andrew Tridgell 2005
+ Copyright (C) Andrew Tridgell 1999-2005
+ Copyright (C) Jeremy Allison 2000-2006
+ Copyright (C) Paul 'Rusty' Russell 2000
**NOTE! The following LGPL license applies to the tdb library. This does NOT imply that all of Samba is released**

# 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
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Gadi Oxman, August 1995

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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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This is the Debian GNU/Linux prepackaged version of the translation files of the EXT2 file system utilities. The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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

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This is the Debian GNU/Linux prepackaged version of the 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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1.952 to-fast-properties 1.0.3

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1.953 babel-plugin-transform-decorators 6.24.1

1.954 libvdpau 1.1.1-3ubuntu1

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1.955 keyutils 1.5.9 9.2ubuntu2

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It was downloaded from ftp://ftp.gnunet.org/gcrypt/gnuTLS/

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lib/extras/randomart.*

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Comment: This code is not used on Debian/*, since we have a working
vasprintf() in glibc.

lib/extras/hex.*
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Theodore Ts'o
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That's all there is to it!
This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

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

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# 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)"
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Gadi Oxman, August 1995

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

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-
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1.972 s3transfer 0.2.1

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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
and the initial implementation of incremental propagation, including
the following new or changed files:

    include/iprop_hdr.h
    kadmin/server/ipropd_svc.c
    lib/kdb/iprop.x
    lib/kdb/kdb_convert.c
    lib/kdb/kdb_log.c
    lib/kdb/kdb_log.h
    lib/krb5/error_tables/kdb5_err.et
    kprop/kpropd_rpc.c
    kprop/kproplog.c

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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in
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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
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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.. parsed-literal::

   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
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and the initial implementation of incremental propagation, including
the following new or changed files:

.. parsed-literal::

   include/iprop_hdr.h
   kadmin/server/ipropd_svc.c
   lib/kdb/prop.x
   lib/kdb/kdb_convert.c
   lib/kdb/kdb_log.c
   lib/kdb/kdb_log.h
   lib/krb5/error_tables/kdb5_err.et
   slave/kpropd_rpc.c
   slave/kproplog.c

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lib/libgss/g_rel_cred.c
lib/libgss/g_rel_name.c
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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
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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in 
src/lib/gssapi include the following files:

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- g_acquire_cred.c
- g_canon_name.c
- g_compare_name.c
- g_context_time.c
- g_delete_sec_context.c
- g_dup_name.c
- g_dup_status.c
- g_exp_sec_context.c
- g_export_name.c
- g_glue.c
- g_exp_sec_context.c
- g_acquire_cred.c
- g_compare_name.c
- g_context_time.c
- g_delete_sec_context.c
- g_dup_name.c
- g_dup_status.c
- g_exp_sec_context.c
- g_export_name.c
- g_glue.c

These files provide the necessary glue for integrating GSSAPI with SPNEGO.
class="o">/</span><span class="n">mechglue</span><span class="o">.</span><span class="n">c</span>]<span class="n">lib</span><span class="o">/</span><span class="n">gssapi</span><span class="o">.</span><span class="n">mechglue</span><span class="o">.</span><span class="n">g_init_sec_context</span><span class="o">.</span><span class="n">c</span>]<span class="n">lib</span><span class="o">/</span><span class="n">gssapi</span><span class="o">.</span><span class="n">mechglue</span><span class="o">.</span><span class="n">g_initialize</span><span class="o">.</span><span class="n">c</span>]<span class="n">lib</span><span class="o">/</span><span class="n">gssapi</span><span class="o">.</span><span class="n">mechglue</span><span class="o">.</span><span class="n">g_inquire_context</span><span class="o">.</span><span class="n">c</span>]<span class="n">lib</span><span class="o">/</span><span class="n">gssapi</span><span class="o">.</span><span class="n">mechglue</span><span class="o">.</span><span class="n">g_inquire_cred</span><span class="o">.</span><span class="n">c</span>]<span class="n">lib</span><span class="o">/</span><span class="n">gssapi</span><span class="o">.</span><span class="n">mechglue</span><span class="o">.</span><span class="n">g_inquire_names</span><span class="o">.</span><span class="n">c</span>]<span class="n">lib</span><span class="o">/</span><span class="n">gssapi</span><span class="o">.</span><span class="n">mechglue</span><span class="o">.</span><span class="n">g_process_context</span><span class="o">.</span><span class="n">c</span>]<span class="n">lib</span><span class="o">/</span><span class="n">gssapi</span><span class="o">.</span><span class="n">mechglue</span><span class="o">.</span><span class="n">g_rel_buffer</span><span class="o">.</span><span class="n">c</span>]<span class="n">lib</span><span class="o">/</span><span class="n">gssapi</span><span class="o">.</span><span class="n">mechglue</span><span class="o">.</span><span class="n">g_rel_cred</span><span class="o">.</span><span class="n">c</span>]<span class="n">lib</span><span class="o">/</span><span class="n">gssapi</span><span class="o">.</span><span class="n">mechglue</span><span class="o">.</span><span class="n">g_rel_name</span><span class="o">.</span><span class="n">c</span>]<span class="n">lib</span><span class="o">/</span><span class="n">gssapi</span><span class="o">.</span><span class="n">mechglue</span><span class="o">.</span><span class="n">g_rel_oid_set</span><span class="o">.</span><span class="n">c</span>]<span class="n">lib</span><span class="o">/</span><span class="n">gssapi</span><span class="o">.</span><span class="n">mechglue</span><span class="o">.</span><span class="n">g_seal</span><span class="o">.</span><span class="n">c</span>]<span class="n">lib</span><span class="o">/</span><span class="n">gssapi</span><span class="o">.</span><span class="n">mechglue</span><span class="o">.</span><span class="n">g_sign</span><span class="o">.</span><span class="n">c</span>]<span class="n">lib</span><span class="o">/</span><span class="n">gssapi</span><span class="o">.</span><span class="n">mechglue</span><span class="o">.</span><span class="n">g_store_cred</span><span class="o">.</span><span class="n">c</span>]<span class="n">lib</span><span class="o">/</span><span class="n">gssapi</span><span class="o">.</span><span class="n">mechglue</span><span class="o">.</span><span class="n">g_unseal</span><span class="o">.</span><span class="n">c</span>]<span class="n">lib</span><span class="o">/</span><span class="n">gssapi</span><span class="o">.</span><span class="n">mechglue</span><span class="o">.</span><span class="n">g_walk</span><span class="o">.</span><span class="n">c</span>]

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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
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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# This program is intended to be used by "make check-copyright". It
# checks for violations of the coding standards related to copyright
# and license statements in source code comments.

import os
import sys
import re

def warn(fname, ln, msg):
    print '%s: %d: %s' % (fname, ln + 1, msg)

def indicates_license(line):
    return 'Copyright' in line or 'COPYRIGHT' in line or 'License' in line

# Check a comment for boilerplate violations. Return true if the comment
# is a license statement.
def check_comment(comment, fname, ln, code_seen, nonlicense_seen):
    text_seen = False
    is_license = False
    for line in comment:
        if not is_license and indicates_license(line):
            is_license = True
        if text_seen:
            warn(fname, ln, 'License begins after first line of comment')
        elif code_seen:
            warn(fname, ln, 'License after code')
        elif nonlicense_seen:
            warn(fname, ln, 'License after non-license comments')
        break
    # DB2 licenses start with '/**' and we don't want to change them.
    if line != '' and line != '-
        text_seen = True
    return is_license
def check_file(lines, fname):
    # Skip emacs mode line if present.
    ln = 0
    if '-*- mode: c;' in lines[ln]:
        ln += 1

    # Check filename comment if present.
    m = re.match(r'\* ([^ \*]*)(([^ \*])? \* /)', lines[ln])
    if m:
        if m.group(1) != fname:
            warn(fname, ln, 'Wrong filename in comment')
        ln += 1

    # Scan for license statements.
    in_comment = False
    code_seen = False
    nonlicense_seen = False
    for line in lines[ln:]:
        # Strip out whitespace and comments contained within a line.
        if not in_comment:
            line = re.sub(r'\*/\*\*\*/', '', line)
            line = line.strip()
        if not in_comment and '/\*' in line:
            (line, sep, comment_part) = line.partition('/\*')
            comment = [comment_part.strip()]
            comment_starts_at = ln
            in_comment = True
        elif in_comment and '\*/' not in line:
            comment.append(line.lstrip('*').lstrip())
        elif in_comment:
            (comment_part, sep, line) = line.partition('\*/)')
            comment.append(comment_part.strip())
        is_license = check_comment(comment, fname, comment_starts_at,
                                   code_seen, nonlicense_seen)
        nonlicense_seen = nonlicense_seen or not is_license
        in_comment = False
        elif line.strip() != '':
            code_seen = True
        ln += 1

    for fname in sys.argv[1:]
        if fname.startswith('./'):
            fname = fname[2:]
        f = open(fname)
        lines = f.readlines()
f.close()
cHECK_FILE(lines, fname)

1.975 libipset3 6.30 2
1.975.1 Available under license:

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Source: http://ipset.netfilter.org/install.html

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1.976 babel-helper-function-name 6.24.1

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<one line to give the program's name and a brief idea of what it does.>
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<signature of Ty Coon>, 1 April 1989
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Version 2.1, February 1999

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

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

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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.

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

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

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

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

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

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

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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Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

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

<one line to give the program's name and a brief idea of what it does.>
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Also add information on how to contact you by electronic and paper mail.

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

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`Gnomovision' (which makes passes at compilers) written by James Hacker.

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

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Version 2, June 1991

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

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Most GNU software, including some libraries, is covered by the ordinary 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 
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(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 
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portion of it, either verbatim or with modifications and/or translated 
straightforwardly into another language. (Hereinafter, translation is 
included without limitation in the term "modification".)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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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.

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table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

(For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the
application. Therefore, Subsection 2d requires that any
application-supplied function or table used by this function must
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This package was originally debianized by Stephen M Moraco <stephen@debian.org> on Fri, 31 Dec 1999 15:37:17 -0700.

It was downloaded from http://www.graphviz.org/

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2006-2008, Cyril Brulebois <cyril.brulebois@enst-bretagne.fr>

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1.985 azure-mgmt-recoveryservicesbackup 0.6.0

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1.986 libconfig-inifiles-perl 3.000001-1

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The End

1.987 perl-base 5.24.1-3+deb9u5

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---

abstract: 'Build and install Perl modules'
author:
- 'Ken Williams <kwilliams@cpan.org>'
- "Development questions, bug reports, and patches should be sent to the\nModule-Build mailing list at <module-build@perl.org>.
" build_requires:
  File::Temp: 0.15
  Test::Harness: 3.16
  Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: Module-Build
resources:
  MailingList: mailto:module-build@perl.org
license: http://dev.perl.org/licenses/
repository: http://github.com/dagolden/module-build/
version: 3
#!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 TestInit;
use strict;
use Config;
BEGIN { require 'test.pl' }

if ( $Config{usecrosscompile} ) {
    skip_all( "Not all files are available during cross-compilation" );
}

my ($opt) = @ARGV;

my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so
# that tests still pass for people intentionally working on older versions:
if ($opt eq '--now')
{
    my $current_year = (gmtime)[5] + 1900;
    is $v_year, $current_year, 'perl -v copyright includes current year';
    is $readme_year, $current_year, 'README copyright includes current year';
}

# Otherwise simply check that the two copyright dates match each other:
else
{
    is $readme_year, $v_year, 'README and perl -v copyright dates match';
}

done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{
    open my $readme, '<', '../README' or die "Opening README failed: $!";

    # The copyright message is the first paragraph:
    local $/ = "
    my $copyright_msg = <$readme>;

    my ($year) = $copyright_msg =~ /.*\d{4,}/s

or die "Year not found in README copyright message '$copyright_msg'";

$year;
}

sub v_year
# returns the latest copyright year shown in perl -v
{
    my $output = runperl switches => ['-v'];
    my ($year) = $output =~ /copyright 1987.*\b\d{4,}\b/i
        or die "Copyright statement not found in perl -v output '$output'";
    $year;
}

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

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Source: http://www.perl.com/CPAN/src/5.0/
Comment:
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ext/FileCache/*
ext/GDBM_File/*
ext/IPC-Open2/*
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.5 of 10 December 2007

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1.996 libglvnda 1.1.0-1

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1.998 libmount 2.23.2-61.el7

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---
#1: 32 7648 0x83
#2: 7680 8704 0xa5
#5: 7936 4864 0x7 (freebsd)
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  <signature of Ty Coon>, 1 April 1989
  Ty Coon, President of Vice

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/
Initialize empty image
f1c9645d6bc14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57e721e38d1266c2df055067c18f2cf9 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

<table>
<thead>
<tr>
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<th>Start</th>
<th>End</th>
<th>Blocks</th>
<th>Id</th>
<th>System</th>
</tr>
</thead>
<tbody>
<tr>
<td>__ts_dev__1</td>
<td>2048</td>
<td>4095</td>
<td>1024</td>
<td>83</td>
<td>Linux</td>
</tr>
<tr>
<td>__ts_dev__2</td>
<td>4096</td>
<td>20479</td>
<td>8192</td>
<td>a5</td>
<td>FreeBSD</td>
</tr>
</tbody>
</table>

Create 2st primary partition
1beb87248e05d6e4e62b749da65d023 bsd.img
Set 2nd partition type
2d8e8df51a88a045db233418dd73f7e 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>4096</td>
<td>20479</td>
<td>8192</td>
<td>a5</td>
<td>FreeBSD</td>
</tr>
</tbody>
</table>

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):

b5c121c2091b2ff26b880551fecac7112 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>[fsiz 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):**

| 0 | unused     | 5 | 4.1BSD   | 9 | 4.4LFS   | d | boot   |
| 1 | swap       | 6 | Eighth Edition | a | unknown  | e | ADOS   |
| 2 | Version 6  | 7 | 4.2BSD   | b | HPFS     | f | HFS    |
| 3 | Version 7  | 8 | MS-DOS   | c | ISO-9660 | 10 | AdvFS  |
| 4 | System V   |   |          |   |          |   |        |

**BSD disklabel command (m for help):**

---

1.999 cpio 2.12+dfsg-6

1.999.1 Available under license:

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Version 3, 29 June 2007

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   is invoked, then you must make a good faith effort to ensure that,
   in the event an application does not supply such function or
   table, the facility still operates, and performs whatever part of
   its purpose remains meaningful.

   (For example, a function in a library to compute square roots has
   a purpose that is entirely well-defined independent of the
   application. Therefore, Subsection 2d requires that any
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Julian Seward, jseward@bzip.org
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1.1008 libiptc0 1.6.0+snapshot20161117-6
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The following list might be incomplete. Feel free to add your name if your patch was accepted into Ruby.

== A

Ayumu AIZAWA (ayumin)
* committer

AKIYOSHI, Masamichi (akiyoshi)
* committer
* He had maintained the VMS support on 2003-2004.

Muhammad Ali
* wrote rdoc for Fiber

Minero Aoki (aamine)
* committer
* He is the maintainer of:
  * fileutils
  * net/http, net/https
  * net/pop
  * net/smtp
  * racc
  * ripper
  * strscan

Wakou Aoyama (wakou)
* committer
* He was the maintainer of some standard libraries.

Koji Arai
* committer

arton
* He is the distributor of ActiveScriptRuby and experimental 1.9.0-x installers for win32.
* Wrote patches for win32ole, gc.c, tmpdir.rb

== B

Daniel Berger
* a patch for irb
* documentation
* He wrote forwardable.rb

David Black (dblack)
* committer
* He is the maintainer of scanf

Ken Bloom
* a patch for REXML.

Oliver M. Bolzer
* a patch for soap

Alexey Borzenkov
* a patch for mkmf.rb

Richard Brown
* a patch for configure.in

Dirkjan Bussink
* a patch for date.rb

Daniel Bovensiepen
* documentation
* a patch for irb

== C

Brian Candler
* a patch for configure.in, net/telnet

keith cascio
* a patch for optparse.rb

Frederick Cheung
* a patch for test/ruby/test_symbol.rb

Christoph
* patches for set.rb

Sean Chittenden
* patches for net/http, cgi

William D. Clinger
* ruby_strtod is based on his paper.

== D

Ryan Davis (ryan)
* committer
* He wrote and is the maintainer of miniunit
Guy Decoux (ts)
* committer

Zach Dennis

Martin Duerst (duerst)
* committer
* M17N

Paul Duncan
* paths for rdoc

Alexander Dymo
* a patch for lib/benchmark.rb

== E

Yusuke Endoh (mame)
* committer
* He wrote and is the maintainer of base64 library (1.9)
* did much upon YARV compiler.

erlercw
* wrote Integer::gcd2

== F

Frank S.Fejes
* a patch for net/pop

Fundakowski Feldman
* a patch for process.c

Mauricio Fernandez
* patches for parse.y

David Flanagan (davidflanagan)
* committer
* M17N

Takeyuki Fujioka (xibbar)
* committer
* He is the maintainer of cgi/*

FUKUMOTO, Atsushi
* a patch for tracer.rb

Shota Fukumori (sorah)
* committer
  * #4415 parallel unit/test

Tadayoshi Funaba (tafd)
  * committer
  * He wrote and is the maintainer of
  * date
  * parsedate (1.8)
  * He ported rational.rb and complex.rb, which 1.8 contains, into rational.c and complex.c of 1.9.

== G

David M. Gay
  * ruby_strtod

Florian Gilcher
  * documentation

GOTOU, Kentaro (gotoken)
  * committer
  * He wrote benchmark.rb
  * He is the maintainer of:
    * benchmark.rb
    * open3

GOTOU, Yuuzou (gotoyuzo)
  * committer

James Edward Gray II (jeg2)
  * committer
  * He wrote the faster implementation of CSV and is the maintainer of csv.
  * Wrote documentation for rdoc

== H

Phil Hagelberg
  * patch for ruby-mode.el's documentation.

Kirk Haines (wyhaines)
  * committer
  * the maintainer of ruby_1_8_6 branch

Shinichiro Hamaji
  * fixed memory leaks (marshal.c, string.c)

Shin-ichiro HARA
  * the developer and the sysop of ruby-{dev,list,core,talk} archive.
  * a patch for numeric.c
Chris Heath (traumdeutung)
* a patch for proc.c

HIROKAWA Hisashi
* fixed socket/socket.c

Daniel Hob
* He wrote:
  * SMTP-TLS support for net/smtp.
  * POP3S support

Eric Hodel (drbrain)
* committer
* He is the maintainer of:
  * rdoc
  * ri
  * rubygems

Erik Hollensbe
* a patch for delegate.rb

Johan Holmberg
* a patch for dir.c
* documentation

Erik Huelsmann

Dae San Hwang
* built a continuous integration environment on OpenSolaris.

== I

Nobuhiro IMAI
* a patch for logger.rb

"incorporate"
* a patch for sprintf.c

Keiju Ishitsuka (keiju)
* committer
* He wrote and is the maintainer of:
  * cmath.rb (1.9)
  * complex.rb (1.8)
  * c2mmmap.rb
  * forwardable.rb
  * irb
  * mathn
* matrix.rb
* mutex_m.rb
* rational.rb (1.8)
* sync.rb
* shell/*
* thwait.rb
* tracer.rb

== J

Curtis Jackson
* missing/dup2.c

Alan Johnson
* a patch for net/ftp

Lyle Johnson
* patches for nkf, bigdecimal, numeric.c

== K

Yoshihiro Kambayashi
* a patch for enc/trans/single_byte.trans.
* He wrote supports for some encodings.

Yutaka Kanemoto
* patches for common.mk, AIX AF_INET6 support

Motoyuki Kasahara
* He wrote getoptlong.rb

Masahiro Kawato
* a patch for shellwords.rb

Wataru Kimura
* a patch for configure.in

Michael Klishin
* patch for make help.

Noritada Kobayashi
* a patch for optparse.rb

Shigeo Kobayashi (shigek)
* committer
* He is the maintainer of bigdecimal

KONISHI, Hiromasa (H_Konishi)
Kornelius "murphy" Kalnbach
* documentation

K.Kosako (kosako)
* committer
* He wrote Oniguruma.

Takehiro Kubo
* patches for dl 64bit support.

== L

Marc-Andre Lafortune (marcandre)
* committer
* patches for hash.c, array.c, thread.c, enumc, string.c, range.c and rdoc documentation.

Hongli Lai
* improved pstore.rb
* patch for tool/file2lastrev.rb.

raspberry lemon
* a patch for webrick/httpproxy.rb.

Christian Loew
* a patch for fileutils.rb

== M

Shugo Maeda (shugo)
* committer
* A system administrator of ruby-lang.org servers.
* He wrote and is the maintainer of:
  * monitor.rb
  * net/ftp
  * net/imap

Stephan Maka (mathew)
* documentation

Yukihiro Matsumoto (matz)
* Matz -- the founder, language designer of Ruby.
* committer
* Ruby itself, most of Ruby.
* He is the maintainer of:
  * singleton
* timeout
* gdbm
* sdbm

Konrad Meyer
* documentation

Mib Software
* missing/vsnprintf.c

Todd C. Miller
* missing/strlcat.c
* missing/strlcpy.c

MIYASAKA, Masaru
* a patch for cgi.rb

Stefan Monnier
* regex.c was fixed with based on his Emacs21 patch.

Marcel Moolenaar
* patches for eval.c and gc.c.

moonwolf
* a patch for REXML, xmlrpc

Hiroshi Moriyama
* a patch for yaml.

Kyosuke Morohashi
* a patch for gem_prelude.rb

Kenta Murata
* patches for json, bignum.c

Akinori MUSHA (knu)
* committer
* He wrote and is the maintainer of:
  * abbrev.rb
  * generator (1.8)
  * enumerator (1.8)
  * set
  * ipaddr.rb
  * digest/*
  * syslog
* He is the branch maintainer of ruby_1_8, the release manager of 1.8 series.

== N
Hidetoshi NAGAI (nagai)
* committer
* He is the maintainer of tk/*

Nobuyoshi Nakada (nobu)
* committer
* a.k.a. the “patch monster”
* He wrote and is the maintainer of:
  * optparse
  * stringio
  * io/wait
  * iconv

Satoshi Nakagawa
* patches for util.c

Narihiro Nakamura (nari)
* committer
* a.k.a. authorNari
* working at GC

NAKAMURA, Hiroshi (nahi)
* committer
* He is the maintainer of:
  * csv.rb (1.8)
  * logger.rb
  * soap/* (1.8)
  * wsdl/* (1.8)
  * xsd/* (1.8)

NAKAMURA, Usaku (usa)
* committer
* a.k.a. unak
* He is the maintainer of mswin32 and mswin64 support.

NARUSE, Yui (naruse)
* committer
* a.k.a. "nurse"
* Did much upon m17n.
* He is the maintainer of:
  * json
  * nkf

Christian Neukirchen
* a patch for webrick/httputil

Michael Neumann (mneumann)
* committer
* He is the maintainer of
  * xmlrpc (1.8)
  * gserver (1.8)

NISHIO Hirokazu
* wrote a patch for CVE-2010-0541

Kazuhiro NISHIYAMA (kazu)
* committer
* a.k.a. znz

Go Noguchi

Martin Nordholts
* misc/rdebug.el

nmu
* a patch for socket

== O

okkez
* He is a sysop of the Ruby Reference Manual Renewal Project.
  * fixed ipaddr.rb, ext/etc

Haruhiko Okumura
* some of missing/* is based on his book:
  * missing/erf.c
  * missing/lgamma_r.c
  * missing/tgamma.c

OMAE, jun
* a patch for debug.rb

Eugene Ossintsev
* documentation

== P

Heesob Park
* a patch for win32/win32.c.

pegacorn
* a patch for instruby.rb

== Q
R

Gaston Ramos
* documentation

The Regents of the University of California
* missing/crypt.c
* missing/vsnprintf.c

Sam Roberts
* patch for socket
* documentation

Michal Rokus (michal)
* committer
* He was the maintainer of DJGPP support.

rubikitch
* a patch for io.c

Marcus Rueckert
* a patch for mkconfig.rb.

Run Paint Run Run
* patch for enc/unicode.c
* documentation

Sean Russell (ser)
* committer
* He wrote and is the maintainer of REXML.

S

Kazuo Saito (ksaito)
* committer
* M17N

Tadashi Saito
* patches for test/ruby/test_math.rb, thread_*_.c, bignum.c
* working upon BigDecimal.
* did much upon documentation

Masahiro Sakai
* a patch for io.c

Laurent Sansonetti
* a patch for tool/ytab.sed
Jeff Saracco
* documentation

Koichi Sasada (ko1)
* committer
* He wrote YARV.

Hugh Sasse
* a patch for net/http
* documentation

Charlie Savage
* a patch for win32/Makefile.sub

Michael Scholz
* a patch for ruby-mode.el

Arthur Schreiber
* patch for net/http and rdoc.

Masatoshi SEKI (seki)
* committer
* He wrote and is the maintainer of:
  * drb/*
  * erb
  * rinda

Roman Shterenzon
* a patch for open-uri.

Kent Sibilev

Gavin Sinclair (gsinclair)
* committer

John W. Small
* He wrote gserver.rb

Yuki Sonoda (yugui)
* committer
* She is the maintainer of man/* manual pages and is the release manager of 1.9 series.
* She wrote prime.rb.
* A developer and a sysop of redmine.ruby-lang.org.

SOUMA, Yutaka
* a patch for pack.c.

Tatsuki Sugiura
* WebDAV support for net/http

Masaki Suketa (suke)
* committer
* He is the maintainer of win32ole

sheepman
* patches for ruby.c, thread.c, stringio, enum.c, webrick, net/http

Siena. (siena)
* committer

Kirill A. Shutemov
* a patch for parse.y

Darren Smith
* a patch for golf_prelude.rb

Richard M. Stallman
* missing/alloca.c

Robin Stocker
* documentation

Adam Strzelecki
* a patch for compile.c

Masashi Sumi
* improved net/pop.rb

Eric Sunshine
* NeXT OpenStep, Rhapsody support

Kouhei Sutou (kou)
* committer
* He wrote and is the maintainer of rss/*

David Symonds
* documentation

== T

TAKANO Mitsuhiro (takano32)
* committer
* He is the maintainer of IA-64 support.
* BigDecimal

TAKAO, Kouji (kouji)
* committer
* He is the maintainer of readline.

Nathaniel Talbott (ntalbott)
* committer
* He was the maintainer of test/unit, runit, rubyunit.

TANAKA, Akira (akr)
* committer
* Did much upon m17n.
* And he is the maintainer of:
  * open-uri
  * pathname
  * pp
  * resolv-replace
  * resolv
  * time
  * tsort

Takaaki Tateishi (ttate)
* committer
* He was the maintainer of dl

Technorama Ltd. (technoroma)
* committer
* openssl

Andrew Thompson
* a patch for socket.c IRIX support.

Dave Thomas (dave)
* committer
* a.k.a. the Pragmatic Programmer.
* He wrote rdoc.

Tietew
* patches for win32 support

Masahiro Tomita
* a patch for cgi.rb

Jakub Travnik
* a patch for eval.c

Tom Truscott
* missing/crypt.c

== U
UEDA, Satoshi
* a patch for uri

Takaaki Uematsu (uema2)
* committer
* He was the maintainer of WinCE support.

UENO, Katsuhiro (katsu)
* committer
* He is the maintainer of zlib

Hajimu UMEMOTO
* He wrote ipaddr.rb

URABE, Shyouhei (shyouhei)
* committer
* a.k.a. mput.
* He is the branch maintainer of ruby_1_8_6 and ruby_1_8_7
* and is the release manager of 1.8.x-pXXX.

== V

Joel VanderWerf
* a patch for numeric.c

Peter Vanbroekhoven

Corinna Vinschen

== W

wanabe (wanabe)
* committer
* fixed YARV and Oniguruma.

Chun Wang
* a patch for time.rb

WATANABE, Hirofumi (eban)
* committer
* He is the maintainer of
* ftools (1.8)
* tmpdir
* un
* Win32API

WATANABE, Tetsuya
* a patch for ruby.c

William Webber (wew)
* committer

Jim Weirich (jim)
* committer
* He wrote Rake.

Nathan Weizenbaum
* fixed misc/ruby-mode.el.

why the lukky stiff (why)
* committer
* He is the maintainer of syck

Caley Woods
* documentation

Gary Wright
* documentation

== X

== Y

Akira Yamada (akira)
* committer
* He is the maintainer of ruby related packages at Debian project.

Keita Yamaguchi
* patches for enum.c, parse.y
* documentation

Hirokazu Yamamoto (ocean)
* committer

Hirotaka Yoshioka
* a patch for improving SEGV handling

== Z

Aristarkh A Zagorodnikov
* a patch for io.c

Alexander Zavorine
* committer
* He is the maintainer for Symbian OS.
Chiyuan Zhang
* a patch for misc/ruby-mode.el.

Dee Zsombor (zunda)
* a patch for thread_pthread.c

Dan Zwell
* a patch for net/pop

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regcomp.c:
regencode.[ch]:
regerror.c:
regexec.c:
regint.h:
regparse.[ch]:
enc/ascii.c
enc/big5.c
enc/cp949.c
enc/emacs_mule.c
enc/encdb.c
enc/euc_jp.c
enc/euc_kr.c
enc/euc_tw.c
enc/gb18030.c
enc/gb2312.c
enc/gbk.c
enc/iso_8859_1.c
enc/iso_8859_10.c
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enc/iso_8859_7.c
enc/iso_8859_8.c
enc/iso_8859_9.c
enc/koi8_r.c
enc/koi8_u.c
enc/shift_jis.c
enc/unicode.c
enc/us_ascii.c
enc/utf_16be.c
enc/utf_16le.c
enc/utf_32be.c
enc/utf_32le.c
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random.c

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A C-program for MT19937, with initialization improved 2002/2/10.
Coded by Takuji Nishimura and Makoto Matsumoto.
This is a faster version by taking Shawn Cokus's optimization,
Mathe Bellew's simplification, Isaku Wada's real version.

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

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vm_dump.c:procstat_vm

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missing/alloca.c:
missing/dup2.c:
missing/erf.c:
missing/finite.c:
missing/hypot.c:
missing/isinf.c:
missing/isnan.c:
missing/lgamma_r.c:
missing/memcmp.c:
missing/memmove.c:
missing/strchr.c:
missing/strstr.c:
missing/strtol.c:
missing/tgamma.c:
ext/digest/sha1/sha1.[ch]:

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missing/setproctitle.c

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ext/nkf/nkf-utf8/nkf.c:
ext/nkf/nkf-utf8/utf8tbl.c:

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ext/socket/getaddrinfo.c:
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5.
1.1016 libalgorithm-diff-xs-perl 0.04-5

1.1017 libknot7 2.6.5-3

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must
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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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1.1031 python-defaults 3.6.7 1~18.04

1.1032 s3transfer 0.3.3
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1.1035 expat 2.2.6 2+deb10u1

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If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

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1.1039 pcre2 10.32 1.el8
1.1039.1 Available under license:
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---------

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The basic library functions are written in C and are freestanding. Also included in the distribution is a just-in-time compiler that can be used to optimize pattern matching. This is an optional feature that can be omitted when the library is built.
THE BASIC LIBRARY FUNCTIONS

Written by: Philip Hazel
Email local part: ph10
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1.1040 d3-collection 1.0.7

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

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This is the Debian GNU/Linux prepackaged version of the 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 package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:

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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Fri Dec 14 22:24:35 EST 2007

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

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Theodore Ts'o
23-June-2007

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

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

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

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

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

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

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

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

That's all there is to it!
This is the Debian GNU/Linux prepackaged version of the ss command-line interface parsing library. It is currently distributed together with the EXT2 file system utilities, which are
otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

From the original distribution:

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# This is a Makefile stub which handles the creation of BSD shared libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$<(BSD_LIB)

$(BSD_LIB): $<(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd .; $(LN) $(LINK_BUILD_FLAGS) \ 
`echo $my_dir | sed 's;lib/;;'`/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BS DLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \ $(DESTDIR)$(BS DLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)

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Gadi Oxman, August 1995

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

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Index: tdbsa/tdb.c
===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
 Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
 */
 */
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
-
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### 1.1045 tomcat 9.0.16-4

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java/javax/servlet/resources/javaee_web_services_1_2.xsd
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- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
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- jsp_2_2.xsd
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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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

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1.1052 man-pages 4.16-2

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       man3/LIST_FIRST.3 man3/LIST_FOREACH.3 man3/LIST_HEAD.3
       man3/LIST_HEAD_INITIALIZER.3 man3/LIST_INIT.3
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man2/lfsattr.2 man2/get_kernel_syms.2 man2/get_thread_area.2
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man2/unimplemented.2 man2/unshare.2 man2/vserver.2 man3/DES_FAILED.3
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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    Harald Welte <laforge@netfilter.org>
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    src/internal_cache.c src/main.c src/netlink.c src/network.c src/parse.c src/run.c src/stats-mode.c src/sync-alarm.c
    src/sync-fftw.c src/sync-mode.c src/sync-notrack.c
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Files: src/systemd.c conntrackd.conf.5
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1.1058 fluent-plugin-systemd 1.0.1

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A. HISTORY OF THE SOFTWARE

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

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

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (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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=======================
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distlib has started off using some of the code from distutil2.
If you're making a patch, please add your name below in alphabetical order, and welcome into the Fellowship of the Packaging!

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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.

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

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

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

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

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

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6.
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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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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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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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1.1065 react-popper 0.9.5

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1.1066 libsemanage-common 2.6-2

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arch-tag: d4250e44-a0e0-4ee0-adb9-2bd74f6eeb27
1.1067 pygments 2.4.2

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1.1068 scp 0.13.2

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1.1069 perl-base 5.28.1-6

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```perl
#!/perl

=head1 NAME

copyright.t

=head1 DESCRIPTION

Tests that the latest copyright years in the top-level README file and the
C<perl -v> output match each other.

If the test fails, update at least one of README and perl.c so that they match
reality.

Optionally you can pass the C<--now> option to check they are at the current
year. This isn't checked by default, so that it doesn't fail for people
working on older releases. It should be run before making a new release.

=cut

use strict;
use Config;
BEGIN { require './test.pl' }

if ( $Config{usecrosscompile} ) {
  skip_all( "Not all files are available during cross-compilation" );
}

my ($opt) = @ARGV;

my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so
# that tests still pass for people intentionally working on older versions:
if ($opt eq '--now')
{
  my $current_year = (gmtime)[5] + 1900;
  is $v_year, $current_year, 'perl -v copyright includes current year';
  is $readme_year, $current_year, 'README copyright includes current year';
}

# Otherwise simply check that the two copyright dates match each other:
```
else
{
    is $readme_year, $v_year, 'README and perl -v copyright dates match';
}

done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{
    open my $readme, '<', '../README' or die "Opening README failed: $!";

    # The copyright message is the first paragraph:
    local $/ = '';
    my $copyright_msg = <$readme>;

    my ($year) = $copyright_msg =~ /.*(\d{4,})/s
        or die "Year not found in README copyright message $copyright_msg";

    $year;
}

sub v_year
# returns the latest copyright year shown in perl -v
{
    my $output = runperl switches => ['-v'];
    my ($year) = $output =~ /copyright 1987.*\b(\d{4,})$/i
        or die "Copyright statement not found in perl -v output $output";

    $year;
}

---
abstract: 'Build and install Perl modules'
author:
  - 'Ken Williams <kwilliams@cpan.org>'
  - "Development questions, bug reports, and patches should be sent to the
    Module-Build mailing list at <module-build@perl.org>."
build_requires:
  File::Temp: 0.15
  Test::Harness: 3.16
  Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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@version 3.0 (December 2000)

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

@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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1.1075 e2fsprogs 1.43.4 2+deb9u1
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#
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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)

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Theodore Ts'o
23-June-2007
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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

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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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Gadi Oxman, August 1995

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This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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--- 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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1.1079 redis-server 4.0.14

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@heading Vincent Rijmen, Antoon Bosselaers, Paulo Barreto

AES in libhcrypto

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rijndael-alg-fst.c

@version 3.0 (December 2000)

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

@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
@author Paulo Barreto <paulo.barreto@terra.com.br>

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DES core in libhcrypto

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D3DES (V5.09) -

A portable, public domain, version of the Data Encryption Standard.

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

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1.1081 systemd 237 3ubuntu10.29

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

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

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

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#+STARTUP: showall

* DNS resolver (dirmgr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

------------------------------------------------------------------------
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Upstream-Contact: Michael J. Pomraning <mjp-perl@pilcrow.madison.wi.us>
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e) Provide Installation Information, but only if you would otherwise
be required to provide such information under section 6 of the
GNU GPL, and only to the extent that such information is
necessary to install and execute a modified version of the
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you use option 4d0, the Installation Information must accompany
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/* Permission.java -- Information about an ACL permission
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package java.security.acl;

/**
 * This interface provides information about a permission that can be granted. Note that this is not the same as the class <code>java.security.Permission</code>.
 *
 * @version 0.0
 *
 * @author Aaron M. Renn (arenn@urbanophile.com)
 */
public interface Permission
{
/**
 * This method tests whether or not a specified <code>Permission</code> (passed as an <code>Object</code>) is the same as this permission.
 *
 * @param perm The permission to check for equality
 *
 * @return <code>true</code> if the specified permission is the same as this one, <code>false</code> otherwise
 */
boolean equals (Object perm);

/**
 * This method returns this <code>Permission</code> as a <code>String</code>.
 *
 * @return A <code>String</code> representing this permission.
 */
String toString();
String toString();
}

/* Definitions for BSD assembler syntax for Intel 386
(actually AT&T syntax for insns and operands,
adapted to BSD conventions for symbol names and debugging.)
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along with GCC; see the file COPYING3.  If not see
<http://www.gnu.org/licenses/>.  */

/* Use the Sequent Symmetry assembler syntax.  */

/* Define the syntax of pseudo-ops, labels and comments.  */

/* Prefix for internally generated assembler labels.  If we aren't using
underscores, we are using prefix `.'s to identify labels that should
be ignored, as in `i386/gas.h' --karl@cs.umb.edu */

#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size.  */

#define ASM_BYTE "\t.byte\t"
#define ASM_SHORT "\t.word\t"
#define ASM_LONG "\t.long\t"
#define ASM_QUAD "\t.quad\t"  /* Should not be used for 32bit compilation.  */

/* This was suggested, but it shouldn't be right for DBX output.  -- RMS
#define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) */

/* Define the syntax of labels and symbol definitions/declarations.  */

/* This is how to output an assembler line
that says to advance the location counter by SIZE bytes.  */
#define ASM_OUTPUT_SKIP(FILE, SIZE) \  fprintf (FILE, "\t.space " HOST_WIDE_INT_PRINT_UNSIGNED\"\n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations. */

/* This says how to output an assembler line
 to define a global common symbol. */

#define ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED) \  ( fputs (".comm ", (FILE)),
   assemble_name ((FILE), (NAME)),
   fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

/* This says how to output an assembler line
 to define a local common symbol. */

#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED) \  ( fputs (".lcomm ", (FILE)),
   assemble_name ((FILE), (NAME)),
   fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

#ifdef HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT) \  ( fputs (".lcomm ", (FILE)),
   assemble_name ((FILE), (NAME)),
   fprintf ((FILE), ",%u,%u\n", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif

/* This is how to output an assembler line
 that says to advance the location counter
 to a multiple of 2**LOG bytes. */

#define ASM_OUTPUT_ALIGN(FILE, LOG) \  if ((LOG)\n   fprintf ((FILE), "\t.align %d\n", (LOG))

/* This is how to store into the string BUF
 the symbol_ref name of an internal numbered label where
 PREFIX is the class of label and NUM is the number within the class.
 This is suitable for output with `assemble_name'. */

#define ASM_GENERATE_INTERNAL_LABEL(BUF, PREFIX, NUMBER) \  sprintf ((BUF), "*%s%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols. */

#define USER_LABEL_PREFIX "_"
/* Sequent has some changes in the format of DBX symbols. */
#define DBX_NO_XREFS 1

/* Don't split DBX symbols into continuations. */
#define DBX_CONTIN_LENGTH 0

#!/usr/bin/python
#
# Copyright (C) 2013-2016 Free Software Foundation, Inc.
#
# This script 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 3, or (at your option)
# any later version.
#
# This script adjusts the copyright notices at the top of source files
# so that they have the form:
#
#   Copyright XXXX-YYYY Free Software Foundation, Inc.
#
# It doesn't change code that is known to be maintained elsewhere or
# that carries a non-FSF copyright.
#
# The script also doesn't change testsuite files, except those in
# libstdc++-v3. This is because libstdc++-v3 has a conformance testsuite,
# while most tests in other directories are just things that failed at some
# point in the past.
#
# Pass --this-year to the script if you want it to add the current year
# to all applicable notices. Pass --quilt if you are using quilt and
# want files to be added to the quilt before being changed.
#
# By default the script will update all directories for which the
# output has been vetted. You can instead pass the names of individual
# directories, including those that haven't been approved. So:
#
# update-copyright.pl --this-year
#
# is the command that would be used at the beginning of a year to update
# all copyright notices (and possibly at other times to check whether
# new files have been added with old years). On the other hand:
#
# update-copyright.pl --this-year libjava
#
# would run the script on just libjava/.
#
# Note that things like --version output strings must be updated before
# this script is run. There's already a separate procedure for that.
import os
import re
import sys
import time
import subprocess

class Errors:
    def __init__(self):
        self.num_errors = 0

    def report(self, filename, string):
        if filename:
            string = filename + ': ' + string
        sys.stderr.write(string + '\n')
        self.num_errors += 1

    def ok(self):
        return self.num_errors == 0

class GenericFilter:
    def __init__(self):
        self.skip_files = set()
        self.skip_dirs = set()
        self.skip_extensions = set()
        self.fossilised_files = set()
        self.own_files = set()

        self.skip_files |= set(['COPYING',
                                'COPYING.LIB',
                                'COPYING3',
                                'COPYING3.LIB',
                                'LICENSE',
                                'fdl.texi',
                                'gpl_v3.texi',
                                'fdl-1.3.xml',
                                'gpl-3.0.xml',
                                'aclocal.m4',
                                'compile',
                                'config.guess',
                                'config.sub',
                                'depcomp',
                                'install-sh',
                                'libtool.m4',
                                'ltmain.sh',
                                'aclocal.m4',
                                'compile',
                                'config.guess',
                                'config.sub',
                                'depcomp',
                                'install-sh',
                                'libtool.m4',
                                'ltmain.sh'])
def get_line_filter (self, dir, filename):
    if filename.startswith ('ChangeLog'):
        # Ignore references to copyright in changelog entries.
        return re.compile (r'\t')
    return None

def skip_file (self, dir, filename):
    if filename in self.skip_files:
        return True
    (base, extension) = os.path.splitext (os.path.join (dir, filename))
    if extension in self.skip_extensions:
        return True
    if extension == '.in':
        # Skip .in files produced by automake.
        if os.path.exists (base + '.am'):
            return True
    # Skip files produced by autogen
    if (os.path.exists (base + '.def')
        and os.path.exists (base + '.tpl')):
        return True
    # Skip configure files produced by autoconf
if filename == 'configure':
    if os.path.exists (base + '.ac'):
        return True
    if os.path.exists (base + '.in'):
        return True
return False

def skip_dir (self, dir, subdir):
    return subdir in self.skip_dirs

def is_fossilised_file (self, dir, filename):
    if filename in self.fossilised_files:
        return True
    # Only touch current ChangeLogs.
    if filename != 'ChangeLog' and filename.find ('ChangeLog') >= 0:
        return True
    return False

def by_package_author (self, dir, filename):
    return filename in self.own_files

class Copyright:
    def __init__ (self, errors):
        self.errors = errors

        # Characters in a range of years. Include '.' for typos.
        ranges = '[0-9](?:[-0-9.,\s\s+\sand\s\s+])?[0-9]'

        # Non-whitespace characters in a copyright holder's name.
        name = '\[\w.,-\]'

        # Matches one year.
        self.year_re = re.compile ('[0-9]+')

        self.continuation_re = re.compile (ranges + '|' + name)

        # Matches a full copyright notice:
        self.copyright_re = re.compile (  
            # 1: 'Copyright (C)', etc.
            '(\[Cc\]opyright|\[Cc\]opyright\(\[Cc\]\)|\[Cc\]opyright\%s|\[Cc\]opyright\&copy;|\[Cc\]opyright\+@copyright{}|copyright = u"|@set\s+copyright\[\w-\]+)')
# 2: the years. Include the whitespace in the year, so that
# we can remove any excess.
'(\s*\(?.' + ranges + '\.\)?
'[@value\{(^[^{}]*\})\s*']

# 3: 'by ', if used
'(by\s+)?'

# 4: the copyright holder. Don't allow multiple consecutive
# spaces, so that right-margin gloss doesn't get caught
# (e.g. gnat_ugn.texi).
'(\+ name + (\?\s?' + name + '+))?)'

# A regexp for notices that might have slipped by. Just matching
# 'copyright' is too noisy, and 'copyright.*[0-9]' falls foul of
# HTML header markers, so check for 'copyright' and two digits.
self.other_copyright_re = re.compile ('copyright.*[0-9][0-9]',
    re.IGNORECASE)
self.comment_re = re.compile('#+|[*]+|;+|%+|//+|@c |dnl ')
self.holders = { '@copying': '@copying' }
self.holder_prefixes = set()

# True to 'quilt add' files before changing them.
self.use_quilt = False

# If set, force all notices to include this year.
self.max_year = None

# Goes after the year(s). Could be ', '.
self.separator = ', '

def add_package_author (self, holder, canon_form = None):
    if not canon_form:
        canon_form = holder
    self.holders[holder] = canon_form
    index = holder.find (' ')
    while index >= 0:
        self.holder_prefixes.add (holder[:index])
        index = holder.find (' ', index + 1)

def add_external_author (self, holder):
    self.holders[holder] = None

class BadYear():
    def __init__ (self, year):
        self.year = year
def __str__(self):
    return 'unrecognised year: ' + self.year

def parse_year(self, string):
    year = int(string)
    if len(string) == 2:
        if year > 70:
            return year + 1900
        elif len(string) == 4:
            return year
        raise self.BadYear(string)
    else:
        raise self.BadYear

def year_range(self, years):
    years_list = [self.parse_year(year)
                  for year in self.year_re.findall(years)]
    assert len(years_list) > 0
    return (min(years_list), max(years_list))

def set_use_quilt(self, use_quilt):
    self.use_quilt = use_quilt

def include_year(self, year):
    assert not self.max_year
    self.max_year = year

def canonicalise_years(self, dir, filename, filter, years):
    # Leave texinfo variables alone.
    if years.startswith('@value'):
        return years
    (min_year, max_year) = self.year_range(years)
    # Update the upper bound, if enabled.
    if self.max_year and not filter.is_fossilised_file(dir, filename):
        max_year = max(max_year, self.max_year)
    # Use a range.
    if min_year == max_year:
        return '%d' % min_year
    else:
        return '%d-%d' % (min_year, max_year)

def strip_continuation(self, line):
    line = line.lstrip()
    match = self.comment_re.match(line)
    if match:
        line = line[match.end():].lstrip()
    return line
def is_complete(self, match):
    holder = match.group(4)
    return (holder
            and (holder not in self.holder_prefixes
                 or holder in self.holders))

def update_copyright(self, dir, filename, filter, file, line, match):
    orig_line = line
    next_line = None
    pathname = os.path.join(dir, filename)

    intro = match.group(1)
    if intro.startswith('@set'):
        # Texinfo year variables should always be on one line
        after_years = line[match.end(2):].strip()
        if after_years != '':
            self.errors.report(pathname, 'trailing characters in @set: ' + after_years)
            return (False, orig_line, next_line)
    else:
        # If it looks like the copyright is incomplete, add the next line.
        while not self.is_complete(match):
            try:
                next_line = file.next()
            except StopIteration:
                break
            # If the next line doesn’t look like a proper continuation,
            # assume that what we’ve got is complete.
            continuation = self.strip_continuation(next_line)
            if not self.continuation_re.match(continuation):
                break
            # Merge the lines for matching purposes.
            orig_line += next_line
    line = line.rstrip() + ' ' + continuation
    next_line = None

    # Rematch with the longer line, at the original position.
    match = self.copyright_re.match(line, match.start())
    assert match

    holder = match.group(4)

    # Use the filter to test cases where markup is getting in the way.
    if filter.by_package_author(dir, filename):
assert holder not in self.holders

elif not holder:
    self.errors.report (pathname, 'missing copyright holder')
    return (False, orig_line, next_line)

elif holder not in self.holders:
    self.errors.report (pathname, '
unrecognised copyright holder: ' + holder)
    return (False, orig_line, next_line)

else:
    # See whether the copyright is associated with the package
    # author.
    canon_form = self.holders[holder]
    if not canon_form:
        return (False, orig_line, next_line)

    # Make sure the author is given in a consistent way.
    line = (line[:match.start (4)]
    + canon_form
    + line[match.end (4):])

    # Remove any 'by'
    line = line[:match.start (3)] + line[match.end (3):]

    # Update the copyright years.
    years = match.group (2).strip()
    try:
        canon_form = self.canonicalise_years (dir, filename, filter, years)
    except self.BadYear as e:
        self.errors.report (pathname, str (e))
        return (False, orig_line, next_line)

    line = (line[:match.start (2)]
    + ('' if intro.startswith ('copyright = ') else ' ')
    + canon_form + self.separator
    + line[match.end (2):])

    # Use the standard (C) form.
    if intro.endswith ('right'):
        intro += ' (C)'
    elif intro.endswith ('(c)'):
        intro = intro[:-3] + '(C)'
    line = line[:match.start (1)] + intro + line[match.end (1):]

    # Strip trailing whitespace
    line = line.rstrip() + '\n'
```python
return (line != orig_line, line, next_line)

def process_file (self, dir, filename, filter):
    pathname = os.path.join (dir, filename)
    if filename.endswith ('.tmp'):
        # Looks like something we tried to create before.
        try:
            os.remove (pathname)
        except OSError:
            pass
        return

    lines = []
    changed = False
    line_filter = filter.get_line_filter (dir, filename)
    with open (pathname, 'r') as file:
        prev = None
        for line in file:
            while line:
                next_line = None
                # Leave filtered-out lines alone.
                if not (line_filter and line_filter.match (line)):
                    match = self.copyright_re.search (line)
                    if match:
                        res = self.update_copyright (dir, filename, filter,
                                                     file, line, match)
                        (this_changed, line, next_line) = res
                        changed = changed or this_changed

                # Check for copyright lines that might have slipped by.
                elif self.other_copyright_re.search (line):
                    self.errors.report (pathname,
                                        'unrecognised copyright: %s'
                                        % line.strip())
                    lines.append (line)
                    line = next_line

    # If something changed, write the new file out.
    if changed and self.errors.ok():
        tmp_pathname = pathname + '.tmp'
        with open (tmp_pathname, 'w') as file:
            for line in lines:
                file.write (line)
        if self.use_quilt:
            subprocess.call (['quilt', 'add', pathname])
        os.rename (tmp_pathname, pathname)
```

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def process_tree (self, tree, filter):
for (dir, subdirs, filenames) in os.walk (tree):
# Don't recurse through directories that should be skipped.
for i in xrange (len (subdirs) - 1, -1, -1):
if filter.skip_dir (dir, subdirs[i]):
del subdirs[i]
# Handle the files in this directory.
for filename in filenames:
if filter.skip_file (dir, filename):
sys.stdout.write ('Skipping %s\n'
% os.path.join (dir, filename))
else:
self.process_file (dir, filename, filter)
class CmdLine:
def __init__ (self, copyright = Copyright):
self.errors = Errors()
self.copyright = copyright (self.errors)
self.dirs = []
self.default_dirs = []
self.chosen_dirs = []
self.option_handlers = dict()
self.option_help = []
self.add_option ('--help', 'Print this help', self.o_help)
self.add_option ('--quilt', '"quilt add" files before changing them',
self.o_quilt)
self.add_option ('--this-year', 'Add the current year to every notice',
self.o_this_year)
def add_option (self, name, help, handler):
self.option_help.append ((name, help))
self.option_handlers[name] = handler
def add_dir (self, dir, filter = GenericFilter()):
self.dirs.append ((dir, filter))
def o_help (self, option = None):
sys.stdout.write ('Usage: %s [options] dir1 dir2...\n\n'
'Options:\n' % sys.argv[0])
format = '%-15s %s\n'
for (what, help) in self.option_help:
sys.stdout.write (format % (what, help))
sys.stdout.write ('\nDirectories:\n')
format = '%-25s'
i=0

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for (dir, filter) in self.dirs:
    i += 1
    if i % 3 == 0 or i == len(self.dirs):
        sys.stdout.write(dir + '
')
    else:
        sys.stdout.write(format % dir)
sys.exit(0)

def o_quilt(self, option):
    self.copyright.set_use_quilt(True)

def o_this_year(self, option):
    self.copyright.include_year(time.localtime().tm_year)

def main(self):
    for arg in sys.argv[1:]:
        if arg[:1] != '-':
            self.chosen_dirs.append(arg)
        elif arg in self.option_handlers:
            self.option_handlers[arg](arg)
        else:
            self.errors.report(None, 'unrecognised option: ' + arg)
    if self.errors.ok():
        if len(self.chosen_dirs) == 0:
            self.chosen_dirs = self.default_dirs
        if len(self.chosen_dirs) == 0:
            self.o_help()
        else:
            for chosen_dir in self.chosen_dirs:
                canon_dir = os.path.join(chosen_dir, '')
                count = 0
                for (dir, filter) in self.dirs:
                    if (dir + os.sep).startswith(canon_dir):
                        count += 1
                self.copyright.process_tree(dir, filter)
                if count == 0:
                    self.errors.report(None, 'unrecognised directory: ' + chosen_dir)
            sys.exit(0 if self.errors.ok() else 1)

#-----------------------------------------------
class TopLevelFilter(GenericFilter):
    def skip_dir(self, dir, subdir):
        return True

class ConfigFilter(GenericFilter):
    def __init__(self):
        #
GenericFilter.__init__(self)

def skip_file(self, dir, filename):
    if filename.endswith('.m4'):
        pathname = os.path.join(dir, filename)
        with open(pathname) as file:
            # Skip files imported from gettext.
            if file.readline().find('gettext-') >= 0:
                return True
        return GenericFilter.skip_file(self, dir, filename)

class GCCFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)
        self.skip_files |= set(['math-68881.h',])
        self.skip_dirs |= set(['ada',])
        self.skip_extensions |= set(['.po',])
        self.fossilised_files |= set(['ONEWS',])

class TestsuiteFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)
        self.skip_extensions |= set(['.c',])
def skip_file (self, dir, filename):
    # g++.niklas/README contains historical copyright information
    # and isn't updated.
    if filename == 'README' and os.path.basename (dir) == 'g++.niklas':
        return True
    return GenericFilter.skip_file (self, dir, filename)

class LibCppFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set (
            # Maintained by the translation project.
            '.po',

            # Automatically-generated.
            '.pot',
        )

class LibGCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set (
            # Imported from GLIBC.
            'soft-fp',
        )

class LibJavaFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set (
            # Handled separately.
            'testsuite',

            # Not really part of the library
'contrib',

    # Imported from upstream
    'classpath',
    'libltdl',
    )

def get_line_filter(self, dir, filename):
    if filename == 'NameDecoder.h':
        return re.compile('.*NAME_COPYRIGHT')
    if filename == 'ICC_Profile.h':
        return re.compile('.*icSigCopyrightTag')
    return GenericFilter.get_line_filter(self, dir, filename)

class LibMudflapFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_dirs |= set({
            'testsuite',
            # Handled separately.
            'testsuite',
        })

class LibStdCxxFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_files |= set({
            'intro.xml',
            # Contains no copyright of its own, but quotes the GPL.
        })

        self.skip_dirs |= set({
            'html',
            # Contains automatically-generated sources.
            'html',
            # The testsuite data files shouldn't be changed.
            'data',
            # Contains imported images
            'images',
        })

        self.own_files |= set({
            'spine.xml',
            # Contains markup around the copyright owner.
        })
def get_line_filter(self, dir, filename):
    if filename == 'boost_concept_check.h':
        return re.compile('/\(C\) Copyright Jeremy Siek')
    return GenericFilter.get_line_filter(self, dir, filename)

class GCCCopyright(Copyright):
    def __init__(self, errors):
        Copyright.__init__(self, errors)

        canon_fsf = 'Free Software Foundation, Inc.'
        self.add_package_author('Free Software Foundation', canon_fsf)
        self.add_package_author('Free Software Foundation.', canon_fsf)
        self.add_package_author('Free Software Foundation Inc.', canon_fsf)
        self.add_package_author('Free Software Foundation, Inc', canon_fsf)
        self.add_package_author('Free Software Foundation, Inc.', canon_fsf)
        self.add_package_author('The Free Software Foundation', canon_fsf)
        self.add_package_author('The Free Software Foundation, Inc.', canon_fsf)
        self.add_package_author('Software Foundation, Inc.', canon_fsf)

        self.add_external_author('ARM')
        self.add_external_author('AdaCore')
        self.add_external_author('Ami Tavory and Vladimir Dreizin, IBM-HRL.')
        self.add_external_author('Cavium Networks.')
        self.add_external_author('Faraday Technology Corp.')
        self.add_external_author('Florida State University')
        self.add_external_author('Greg Colvin and Beman Dawes.')
        self.add_external_author('Hewlett-Packard Company')
        self.add_external_author('Information Technology Industry Council.')
        self.add_external_author('James Theiler, Brian Gough')
        self.add_external_author('Makoto Matsumoto and Takuji Nishimura,')
        self.add_external_author('National Research Council of Canada.')
        self.add_external_author('NVIDIA Corporation')
        self.add_external_author('Peter Dimov and Multi Media Ltd.')
        self.add_external_author('Peter Dimov')
        self.add_external_author('Pipeline Associates, Inc.')
        self.add_external_author('Regents of the University of California.')
        self.add_external_author('Silicon Graphics Computer Systems, Inc.')
        self.add_external_author('Silicon Graphics')
        self.add_external_author('Stephen L. Moshier')
        self.add_external_author('Sun Microsystems, Inc. All rights reserved.')
        self.add_external_author('The Go Authors. All rights reserved.')
        self.add_external_author('The Regents of the University of California.')
        self.add_external_author('Unicode, Inc.')
        self.add_external_author('University of Toronto.')

    class GCCCmdLine(CmdLine):
def __init__(self):
    CmdLine.__init__(self, GCCCopyright)

    self.add_dir('.', TopLevelFilter())
    # boehm-gc is imported from upstream.
    self.add_dir('config', ConfigFilter())
    # contrib isn't really part of GCC.
    self.add_dir('Fixincludes')
    self.add_dir('gcc', GCCFilter())
    self.add_dir(os.path.join('gcc', 'testsuite'), TestsuiteFilter())
    self.add_dir('gnattools')
    self.add_dir('include')
    self.add_dir('libada')
    self.add_dir('libatomic')
    self.add_dir('libbacktrace')
    self.add_dir('libcpp', LibCppFilter())
    self.add_dir('libdecnumber')
    # libffi is imported from upstream.
    self.add_dir('libgcc', LibGCCFilter())
    self.add_dir('libgfortran')
    self.add_dir('libgomp')
    self.add_dir('libiberty')
    self.add_dir('libitm')
    self.add_dir('libjava', LibJavaFilter())
    self.add_dir(os.path.join('libjava', 'testsuite'), TestsuiteFilter())
    self.add_dir('libmudflap', LibMudflapFilter())
    self.add_dir(os.path.join('libmudflap', 'testsuite'), TestsuiteFilter())
    self.add_dir('libobjc')
    self.add_dir('libquadmath')
    # libsanitiser is imported from upstream.
    self.add_dir('libssp')
    self.add_dir('libstdc++-v3', LibStdCxxFilter())
    self.add_dir('libvtv')
    self.add_dir('lto-plugin')
    # zlib is imported from upstream.

    self.default_dirs = [
        'gcc',
        'libada',
        'libatomic',
        'libbacktrace',
        'libcpp',
        'libdecnumber',
        'libgcc',
        'libgfortran',
        'libgomp',
        'libitm',
]
GCCmdLine().main()
Boost Software License - Version 1.0 - August 17th, 2003

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Jan 21, 2002

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That's all there is to it!

/* Permission.java -- The superclass for all permission objects

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package java.security;

import gnu.java.lang.CPStringBuilder;

import java.io.Serializable;

/**
 * This class is the abstract superclass of all classes that implement
 * the concept of a permission. A permission consists of a permission name
 * and optionally a list of actions that relate to the permission. The
 * actual meaning of the name of the permission is defined only in the
 * context of a subclass. It may name a resource to which access permissions
 * are granted (for example, the name of a file) or it might represent
 * something else entirely. Similarly, the action list only has meaning
 * within the context of a subclass. Some permission names may have no
 * actions associated with them. That is, you either have the permission
 * or you don't.
 *
 * <p>The most important method in this class is <code>implies</code>. This
 * checks whether if one has this permission, then the specified
 * permission is also implied. As a conceptual example, consider the
 * permissions "Read All Files" and "Read File foo". The permission
 * "Read All Files" implies that the caller has permission to read the
 * file foo.
 */
public abstract class Permission implements Guard, Serializable
{
    /**
     * This is the name assigned to this permission object.
     *
     * @serial the name of the permission
     */
    private String name;

    /**
     * Create an instance with the specified name.
     *
     * @param name the permission name
     */
    public Permission(String name)
    {
        this.name = name;
    }

    /**
     * This method implements the <code>Guard</code> interface for this class.
     * It calls the <code>checkPermission</code> method in
     * <code>SecurityManager</code> with this <code>Permission</code> as its
     * argument. This method returns silently if the security check succeeds
     * or throws an exception if it fails.
     *
     * @param obj the <code>Object</code> being guarded - ignored by this class
     * @throws SecurityException if the security check fails
     */
    public void checkGuard(Object obj)
    {
SecurityManager sm = System.getSecurityManager();
if (sm != null)
    sm.checkPermission(this);
}

/**
 * This method tests whether this <code>Permission</code> implies that the
 * specified <code>Permission</code> is also granted.
 * @param perm the <code>Permission</code> to test against
 * @return true if perm is implied by this
 */
public abstract boolean implies(Permission perm);

/**
 * Check to see if this object equals obj. Use <code>implies</code>, rather
 * than <code>equals</code>, when making access control decisions.
 * @param obj the object to compare to
 */
public abstract boolean equals(Object obj);

/**
 * This method returns a hash code for this <code>Permission</code>. It
 * must satisfy the contract of <code>Object.hashCode</code>: it must be
 * the same for all objects that equals considers to be the same.
 * @return a hash value
 */
public abstract int hashCode();

/**
 * Get the name of this <code>Permission</code>.
 * @return the name
 */
public final String getName()
{
    return name;
}

/**
 * This method returns the list of actions for this <code>Permission</code>
 * as a <code>String</code>. The string should be in canonical order, for
 * example, both <code>new FilePermission(f, "write,read")</code> and
 * <code>new FilePermission(f, "read,write")</code> have the action list
 * "read,write".
 *
public abstract String getActions();

/**
 * This method returns an empty PermissionCollection object that can store permissions of this type, or null if no such collection is defined. Subclasses must override this to provide an appropriate collection when one is needed to accurately calculate <code>implies</code>.
 * @return a new PermissionCollection
 */
public PermissionCollection newPermissionCollection()
{
    return null;
}

/**
 * This method returns a String representation of this Permission object. This is in the format:
 * "'( + getClass().getName() + ' ' + getName() + ' ' + getActions + ')'".
 * @return this object as a String
 */
public String toString()
{
    CPStringBuilder string = new CPStringBuilder();

    string = string.append('(');
    string = string.append(getClass().getName());
    string = string.append(' ');
    string = string.append(getName());
    if (!(getActions().equals("")))
    {
        string = string.append(' ');
        string = string.append(getActions());
    }
    string = string.append(')');
    return string.toString();
}
} // class Permission

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ifndef __gnu_javax_sound_AudioSecurityManager$Permission__
define __gnu_javax_sound_AudioSecurityManager$Permission__

#pragma interface

#include <java/lang/Enum.h>
#include <gcj/array.h>

extern "Java"
{
 namespace gnu
 {
 namespace javax
 {
 namespace sound
 {
 class AudioSecurityManager$Permission;
 }
class gnu::javax::sound::AudioSecurityManager$Permission : public ::java::lang::Enum
{
    AudioSecurityManager$Permission(::java::lang::String *, jint);
    public:
    static JArray< ::gnu::javax::sound::AudioSecurityManager$Permission * > * values();
    static ::gnu::javax::sound::AudioSecurityManager$Permission * valueOf(::java::lang::String *);
    static ::gnu::javax::sound::AudioSecurityManager$Permission * PLAY;
    static ::gnu::javax::sound::AudioSecurityManager$Permission * RECORD;
    static ::gnu::javax::sound::AudioSecurityManager$Permission * ALL;
    private:
    static JArray< ::gnu::javax::sound::AudioSecurityManager$Permission * > * ENUM$VALUES;
    public:
    static ::java::lang::Class class$;
};

#endif // __gnu_javax_sound_AudioSecurityManager$Permission__

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Standard preamble:

=======================================================================
\de Sp \'' Vertical space (when we can't use .PP)
\if t .sp .5v
\if n .sp
\..
Set up some character translations and predefined strings. \*-- will give an unbreakable dash, \*(PI will give pi, \*(L" will give a left double quote, and \*(R" will give a right double quote. \*(C+ will give a nicer C++. Capital omega is used to do unbreakable dashes and therefore won't be available. \*(C' and \*(C expand to '' in nroff, nothing in troff, for use with C<>.

\tr \(*W-.
\ds C+ C\v-1.1\v''-1p'\s-2+\h''-1p'\s0\v-.1\v''-1p'
\ie n \{
  \ds -- \(*W-.
  \ds PI pi
  if (\n.(H=4u)&(1m=24u) .ds -- \(*W\h''-12u'(*W\h''-12u'\v'' diablo 10 pitch
  if (\n.(H=4u)&(1m=20u) .ds -- \(*W\h''-12u'(*W\h''-8u'\v'' diablo 12 pitch
  \ds L" "
  \ds R" "
  \ds C" "
  \ds C' "'
\br\}
\el\{
  \ds -- \(em\|
  \ds PI \(*p
  \ds L" "
  \ds R" "
  \ds C'
  \ds C'
\br\}
\el\{
  \ds -- \(em\|
  \ds PI \(*p
  \ds L" "
  \ds R" "
  \ds C'
  \ds C'
\br\}
\el\{
  \ds -- \(em\|
  \ds PI \(*p
  \ds L" "
  \ds R" "
  \ds C'
  \ds C'
\br\}

\" Escape single quotes in literal strings from groff's Unicode transform.
\ie \n(.g .ds Aq \(aq
\el .ds Aq ' \\
\" If the F register is >0, we'll generate index entries on stderr for titles (.TH), headers (.SH), subsections (.SS), items (.Ip), and index entries marked with X<> in POD. Of course, you'll have to process the output yourself in some meaningful fashion.
\" Avoid warning from groff about undefined register 'F.'
Accent mark definitions (@(#)ms.acc 1.5 88/02/08 SMI; from UCB 4.2).

Fear. Run. Save yourself. No user-serviceable parts.

Fudge factors for nroff and troff

Simple accents for nroff and troff

Troff and (daisy-wheel) nroff accents
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Version 3, 29 June 2007

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.IP "1. Source Code." 4
.IX Item "1. Source Code."

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.Sp
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RS 4

IP "a." 4

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IP "b." 4

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IP "d." 4

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IP "e." 4

IX Item "e."
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.RE
.RS 4
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SS "\*END OF TERMS AND CONDITIONS\*"

.IX Subsection "END OF TERMS AND CONDITIONS"

SS "How to Apply These Terms to Your New Programs"

.IX Subsection "How to Apply These Terms to Your New Programs"

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_PP

_Vb 2

\& <one line to give the program\*s name and a brief idea of what it does.>
\& Copyright (C) <year> <name of author>
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_Ve

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

_PP

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_PP

_Vb 4

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\& under certain conditions; type "show c" for details.

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import java.util.Map;

import com.sun.tools.doclets.Taglet;
import com.sun.javadoc.Tag;

/**
 * A simple Taglet which handles Copyright information.
 */
public class CopyrightTaglet implements Taglet {

    private static final String NAME = "copyright";
    private static final String HEADER = "Copyright:";

    public String getName() {
        return NAME;
    }

    public boolean inField() {
        return true;
    }

    public boolean inConstructor() {
        return true;
    }

    public boolean inMethod() {
        return true;
    }

    public boolean inOverview() {
        return true;
    }

    public boolean inPackage() {
        return true;
    }

    public boolean inType() {
        return true;
    }

    public boolean isInlineTag() {
        return false;
    }

    public static void register(Map tagletMap) {
        CopyrightTaglet copyrightTaglet = new CopyrightTaglet();
        tagletMap.put(copyrightTaglet.getName(), copyrightTaglet);
    }
}
This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for
C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser. The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM. Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood.

Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code. Al Doss (doss@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code. Jesper Peterson (jep@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauclmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian D. Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports. Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code. Bill Jansen (jansen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Doss provided Alpha/OSF/1 code. He and Dave Detlefs (detlefs@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks (agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports. Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port. Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to a Motorola 88K processor running CX/UX (Harris NightHawk). Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to nonIBM development environments (a nontrivial task). Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port. David Chase, then at Olivetti Research, suggested several improvements. Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the code to save and print call stacks for leak detection on a SPARC. Jesse Hull and John Ellis supplied the C++ interface code. Zhong Shao performed much of the experimentation that led to the current typed allocation facility. (His dynamic type inference code hasn't made it into the released version of the collector, yet.)
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Version 3.1.31 March 2009

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</tr>
</thead>
<tbody>
<tr>
<td>mach_override</td>
<td>lib/interception/mach_override</td>
</tr>
</tbody>
</table>

// DO NOT EDIT THIS FILE - it is machine generated -*- c++ -*- 

#ifndef __java_security_acl_Permission__
define __java_security_acl_Permission__

#pragma interface

#include <java/lang/Object.h>
extern "Java"
{
namespace java
{
namespace security
{
namespace acl
{
    class Permission;
}
}
}

class java::security::acl::Permission : public ::java::lang::Object
{

public:
    virtual jboolean equals(::java::lang::Object *) = 0;
    virtual ::java::lang::String * toString() = 0;
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} __attribute__ ((java_interface));

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* m4/ax_func_which_gethostbyname_r.m4

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#ifndef __java_security_Permission__
define __java_security_Permission__

#pragma interface

#include <java/lang/Object.h>
extern "Java"
{
    namespace java
    {
        namespace security
        {
            class Permission;
            class PermissionCollection;
        }
    }
}

class java::security::Permission : public java::lang::Object
{
    public:
        Permission(java::lang::String *);
        virtual void checkGuard(java::lang::Object *);
        virtual jboolean implies(java::security::Permission *) = 0;
        virtual jboolean equals(java::lang::Object *) = 0;
        virtual jint hashCode() = 0;
virtual ::java::lang::String * getName();
virtual ::java::lang::String * getActions() = 0;
virtual ::java::security::PermissionCollection * newPermissionCollection();
virtual ::java::lang::String * toString();
private:
static const jlong serialVersionUID = -563657022231596674LL;
::java::lang::String * __attribute__((aligned(__alignof__(::java::lang::Object)))) name;
public:
static ::java::lang::Class class$;
};

#endif // __java_security_Permission__

16/gnu/javax/sound/AudioSecurityManager$Permissionjava/lang/EnumPLAY1Lgnu/javax/sound/AudioSecurityManager$Permission;RECORDALLENUM$VALUES2[Lgnu/javax/sound/AudioSecurityManager$Permission;<clinit>()VCode
<init>(Ljava/lang/String;I)V
LineNumberTableLocalVariableTable
thisvalues4[]Lgnu/javax/sound/AudioSecurityManager$Permission;
$&%java/lang/System'
arraycopy*(Ljava/lang/Object;ILjava/lang/Object;II)VvalueOfE(Ljava/lang/String;)Lgnu/javax/sound/AudioSecurityManager$Permission;
-,5(Ljava/lang/Class;Ljava/lang/String;Ljava/lang/Enum;
SourceFileAudioSecurityManager.java
SignatureCLjava/lang/Enum<Ljava/lang/String;Lgnu/javax/sound/AudioSecurityManager$Permission;>:InnerClasses4$gnu/javax/sound/AudioSecurityManager
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Version 3, 29 June 2007

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1.1096 normalize-range 0.1.2

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1.1097 base-files 9.9+deb9u8

1.1098 mount 2.33.1-0.1

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

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

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

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

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py3compile, py3clean and debpython module:

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1.1105 librest 0.8.0 2

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- javaee_web_services_1_3.xsd
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- jsp_2_2.xsd
- web-app_3_0.xsd
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Index: tdbsa/tdb.c
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--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
*/
/**
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

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

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

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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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Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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#
# This is a Makefile stub which handles the creation of BSD shared
# libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image::$(BSD_LIB)

$(BSD_LIB): $(OBJS)
$(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
$(cd ..; $(LN) $(LINK_BUILD_FLAGS) `echo $(my_dir) | sed -e 's;lib/;;'`/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \ $(DESTDIR)$(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)
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Theodore Ts'o
23-June-2007

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That's all there is to it!
This is the Debian GNU/Linux prepackaged version of the EXT2 file
system utilities (e2fsck, mke2fs, etc.).  The EXT2 utilities were
written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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This is the Debian GNU/Linux prepackaged version of the ss
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otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>,
from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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1.1110 vsts-cd-manager 1.0.2
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1.1111 liblocale-gettext-perl 1.07-3+b4

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1.1112 nvidia-container-runtime
2.0.0+docker18.09.7-3

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1.1113 gzip 1.6 5+b1

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* MS Visual Studio error format option.
* Detect unordered_map in stl_hash.m4.

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* Fixed warnings about generated constructors not explicitly initializing
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* Added generation of field number constants.

Wink Saville <wink@google.com>
* Fixed initialization orderig problem in logging code.

Will Pierce <willp@nuclei.com>
* Small patch improving performance of in Python serialization.

Alexandre Vassalotti <alexandre@peadrop.com>
* Emacs mode for Protocol Buffers (editors/protobuf-mode.el).

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* Added Swap(), SwapElements(), and RemoveLast() to Reflection interface.

Alexander Melnikov <alm@sibmail.ru>
* HPUX support.

Oliver Jowett <oliver.jowett@gmail.com>
* Detect whether zlib is new enough in configure script.
* Fixes for Solaris 10 32/64-bit confusion.

Evan Jones <evanj@mit.edu>
* Optimize Java serialization code when writing a small message to a stream.
* Optimize Java serialization of strings so that UTF-8 encoding happens only
  once per string per serialization call.
* Clean up some Java warnings.
* Fix bug with permanent callbacks that delete themselves when run.

Michael Kucharski <m.kucharski@gmail.com>
* Added CodedInputStream.getTotalBytesRead().

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* Fixed m4/acx.pthread.m4 problem for some Linux distributions.

William Orr <will@worrbase.com>
* Fixed detection of sched_yield on Solaris.
* Added atomicops for Solaris

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dbug/remove_function_from_trace.pl
dbug/tests.c
dbug/tests-t.pl
dbug/monty.doc
dbug/user.r
extra/yassl/src/dummy.cpp
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libmysqld/resource.h
mysql-test/*
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libmysqld/*
libservices/*
mysql-test/include/have_perfschema.inc
mysql-test/include/have_perfschema.inc
mysql-test/lib/mtr_cases.pm
mysql-test/lib/mtr_gcov.pl
mysql-test/lib/mtr_gprof.pl
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mysql-test/lib/mtr_unique.pm
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mysql-test/lib/My/SafeProcess.pm
mysql-test/lib/My/SafeProcess/safe_kill_win.cc
mysql-test/lib/My/SafeProcess/safe_process.cc
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mysql-test/lib/My/SysInfo.pm
mysql-test/lib/My/Test.pm
mysql-test/lib/t/*
mysql-test/lib/v1/mtr_cases.pl
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mysql-test/lib/v1/mtr_misc.pl
mysql-test/lib/v1/mtr_process.pl
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mysql-test/lib/v1/mtr_timer.pl
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mysql-test/lib/v1/My/*
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storage/myisam/ftbench/ft-test-run.sh
storage/myisam/mi_test_all.sh
storage/ndb/test/run-test/atrt-analyze-result.sh
storage/ndb/test/run-test/atrt-clear-result.sh
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strings/strxmov.c
strings/strxnmov.c
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plugin/version_token/*
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config.h.cmake
configure.cmake
dbug/CMakeLists.txt
support-files/CMakeLists.txt
plugin/innodb_memcached/CMakeLists.txt
plugin/innodb_memcached/daemon_memcached/CMakeLists.txt
plugin/innodb_memcached/innodb_memcache/*
plugin/innodb_memcached/daemon_memcached/daemon/memcached_mysql.cc
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MySQL 5.7.28 (and later)

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Version 3.1, 31 March 2009

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libssh v0.7.3

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Preamble

The licenses for most software are designed to take away your
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This license, the Lesser General Public License, applies to some
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Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

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

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

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

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A "library" means a collection of software functions and/or data 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
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   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.
(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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

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

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

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form
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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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

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

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

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

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

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

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

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

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

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

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

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

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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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1.1133 python-jsonschema 2.6.0-2

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1.1134 libpcre 10.32-5
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THE BASIC LIBRARY FUNCTIONS
-----------------------------

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

University of Cambridge Computing Service,
PCRE2 JUST-IN-TIME COMPIlATION SUPPORT
-------------------------------------

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1.1135 libelf 0.168 1

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1.1136 geo-ip 1.6.12-1

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Comment: This code is not used on Debian/*/since we have a working
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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (see http://www.digicool.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. Digital Creations is a sponsoring member of the PSF.

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===================
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1.1153 libgcc 1:6.3.0-18+deb9u1

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/* gnu.classpath.tools.taglets.CopyrightTaglet */

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package gnu.classpath.tools.taglets;

import java.util.Map;

import com.sun.tools.doclets.Taglet;

import com.sun.javadoc.Tag;

/**
 * A simple Taglet which handles Copyright information.
 */
public class CopyrightTaglet implements Taglet {

    private static final String NAME = "copyright";
    private static final String HEADER = "Copyright:";

    public String getName() {
        return NAME;
    }

    public boolean inField() {
        return true;
    }
}
public boolean inConstructor() {
    return true;
}

public boolean inMethod() {
    return true;
}

public boolean inOverview() {
    return true;
}

public boolean inPackage() {
    return true;
}

public boolean inType() {
    return true;
}

public boolean isInlineTag() {
    return false;
}

public static void register(Map tagletMap) {
    CopyrightTaglet copyrightTaglet = new CopyrightTaglet();
    tagletMap.put(copyrightTaglet.getName(), copyrightTaglet);
}

public String toString(Tag tag) {
    return toString(new Tag[] { tag });
}

public String toString(Tag[] tags) {
    if (tags.length == 0) {
        return null;
    }
    else {
        boolean haveValidTag = false;
        for (int i = 0; i < tags.length && !haveValidTag; ++i) {
            if (tags[i].text().length() > 0) {
                haveValidTag = true;
            }
        }
        if (haveValidTag) {
            StringBuffer result = new StringBuffer();
            }
result.append("<dl>");
for (int i = 0; i < tags.length; i++) {
    if (tags[i].text().length() > 0) {
        result.append("<dt><i>Copyright &copy; " + tags[i].text() + "</i></dt>");
    }
}
result.append("</dl>");
return result.toString();
}
else {
    return null;
}
}

#!/usr/bin/python
#
# Copyright (C) 2013-2016 Free Software Foundation, Inc.
#
# This script 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 3, or (at your option)
# any later version.
#
# This script adjusts the copyright notices at the top of source files
# so that they have the form:
#
#   Copyright XXXX-YYYY Free Software Foundation, Inc.
#
# It doesn't change code that is known to be maintained elsewhere or
# that carries a non-FSF copyright.
#
# The script also doesn't change testsuite files, except those in
# libstdc++-v3. This is because libstdc++-v3 has a conformance testsuite,
# while most tests in other directories are just things that failed at some
# point in the past.
#
# Pass --this-year to the script if you want it to add the current year
# to all applicable notices. Pass --quilt if you are using quilt and
# want files to be added to the quilt before being changed.
#
# By default the script will update all directories for which the
# output has been vetted. You can instead pass the names of individual
# directories, including those that haven't been approved. So:
#
#   update-copyright.pl --this-year
#
# is the command that would be used at the beginning of a year to update
# all copyright notices (and possibly at other times to check whether
# new files have been added with old years). On the other hand:
#
#    update-copyright.pl --this-year libjava
#
# would run the script on just libjava/.
#
# Note that things like --version output strings must be updated before
# this script is run. There's already a separate procedure for that.

import os
import re
import sys
import time
import subprocess

class Errors:
    def __init__(self):
        self.num_errors = 0

    def report(self, filename, string):
        if filename:
            string = filename + ': ' + string
        sys.stderr.write(string + '
')
        self.num_errors += 1

    def ok(self):
        return self.num_errors == 0

class GenericFilter:
    def __init__(self):
        self.skip_files = set()
        self.skip_dirs = set()
        self.skip_extensions = set()
        self.fossilised_files = set()
        self.own_files = set()

        self.skip_files |= set(['
            # Skip licence files.
            'COPYING',
            'COPYING.LIB',
            'COPYING3',
            'COPYING3.LIB',
            'LICENSE',
            'fdl.texi',
            'gpl_v3.texi',
            'fdl-1.3.xml',
            'gpl-3.0.xml',
        ''])
# Skip auto- and libtool-related files
'aclocal.m4',
'compile',
'config.guess',
'config.sub',
'depcomp',
'install-sh',
'libtool.m4',
'ltmain.sh',
'ltoptions.m4',
'ltversion.m4',
'lt~obsolete.m4',
'missing',
'mkdep',
'mkinstalldirs',
'move-if-change',
'shlibpath.m4',
'symlink-tree',
'ylwrap',

# Skip FSF mission statement, etc.
'gnu.texi',
'funding.texi',
'appendix_free.xml',

# Skip imported texinfo files.
'texinfo.tex',
)


def get_line_filter (self, dir, filename):
    if filename.startswith ('ChangeLog'):
        # Ignore references to copyright in changelog entries.
        return re.compile ('\t')
    return None

def skip_file (self, dir, filename):
    if filename in self.skip_files:
        return True
    (base, extension) = os.path.splitext (os.path.join (dir, filename))
    if extension in self.skip_extensions:
        return True
    if extension == '.in':
# Skip .in files produced by automake.
if os.path.exists(base + '.am'):
    return True

# Skip files produced by autogen
if (os.path.exists(base + '.def')
    and os.path.exists(base + '.tpl')):
    return True

# Skip configure files produced by autoconf
if filename == 'configure':
    if os.path.exists(base + '.ac'):
        return True
    if os.path.exists(base + '.in'):
        return True
return False

def skip_dir(self, dir, subdir):
    return subdir in self.skip_dirs

def is_fossilised_file(self, dir, filename):
    if filename in self.fossilised_files:
        return True

    # Only touch current current ChangeLogs.
    if filename != 'ChangeLog' and filename.find('ChangeLog') >= 0:
        return True
    return False

def by_package_author(self, dir, filename):
    return filename in self.own_files

class Copyright:
    def __init__(self, errors):
        self.errors = errors

        # Characters in a range of years. Include '.' for typos.
        ranges = '[0-9][?:-0-9,\s]\s*[-0-9,\s]*[0-9]\n
        # Non-whitespace characters in a copyright holder's name.
        name = '[\w.-]'

        # Matches one year.
        self.year_re = re.compile('[0-9]+')

        # Matches part of a year or copyright holder.
        self.continuation_re = re.compile(ranges + '|'.join([r'\d' + name]))
# Matches a full copyright notice:
self.copyright_re = re.compile (
    # 1: 'Copyright (C)', etc.
    '(\[Cc\]opyright'
    '[[Cc]\]opyrights+\([Cc]\)]\')
    '[[Cc]\]opyrights+\%s'
    '[[Cc]\]opyrights+&copy;'
    '[[Cc]\]opyrights+@copyright{}'
    '|copyright = u''
    '|@sets+copyright\[w-\]+')

    # 2: the years. Include the whitespace in the year, so that
    # we can remove any excess.
    '\(\s*(:? + ranges + .)?'
    '@value\\{[^{}]*\})s*')

    # 3: 'by ', if used
    '(by\s+)?'

    # 4: the copyright holder.  Don't allow multiple consecutive
    # spaces, so that right-margin gloss doesn't get caught
    # (e.g. gnat_ugn.texi).
    '(\+ name + (?:\s? + name + *)?')

    # A regexp for notices that might have slipped by.  Just matching
    # 'copyright' is too noisy, and 'copyright.*[0-9]' falls foul of
    # HTML header markers, so check for 'copyright' and two digits.
    self.other_copyright_re = re.compile ('copyright.*[0-9]\[0-9\]',
        re.IGNORECASE)

    self.comment_re = re.compile('#+|[*]+;+|%+//+@c |dnl ')

    self.holders = { '@copying': '@copying' }

    self.holder_prefixes = set()

    self.use_quilt = False

    # If set, force all notices to include this year.
    self.max_year = None

    # Goes after the year(s).  Could be ',', .
    self.separator = ','

def add_package_author (self, holder, canon_form = None):
    if not canon_form:
        canon_form = holder
    self.holders[holder] = canon_form
    index = holder.find (' ')
    while index >= 0:
self.holder_prefixes.add (holder[:index])
index = holder.find (' ', index + 1)

def add_external_author (self, holder):
    self.holders[holder] = None

class BadYear():
    def __init__ (self, year):
        self.year = year

    def __str__ (self):
        return 'unrecognised year: ' + self.year

def parse_year (self, string):
    year = int (string)
    if len (string) == 2:
        if year > 70:
            return year + 1900
        elif len (string) == 4:
            return year
        raise self.BadYear (string)

def year_range (self, years):
    year_list = [self.parse_year (year)
                 for year in self.year_re.findall (years)]
    assert len (year_list) > 0
    return (min (year_list), max (year_list))

def set_use_quilt (self, use_quilt):
    self.use_quilt = use_quilt

def include_year (self, year):
    assert not self.max_year
    self.max_year = year

def canonicalise_years (self, dir, filename, filter, years):
    # Leave texinfo variables alone.
    if years.startswith ('@value'):
        return years

    (min_year, max_year) = self.year_range (years)

    # Update the upper bound, if enabled.
    if self.max_year and not filter.is_fossilised_file (dir, filename):
        max_year = max (max_year, self.max_year)

    # Use a range.
    if min_year == max_year:
return '%d' % min_year
else:
    return '%d-%d' % (min_year, max_year)

def strip_continuation(self, line):
    line = line.lstrip()
    match = self.comment_re.match(line)
    if match:
        line = line[match.end():].lstrip()
    return line

def is_complete(self, match):
    holder = match.group(4)
    return (holder
        and (holder not in self.holder_prefixes
            or holder in self.holders))

def update_copyright(self, dir, filename, filter, file, line, match):
    orig_line = line
    next_line = None
    pathname = os.path.join(dir, filename)

    intro = match.group(1)
    if intro.startswith('@set'):
        # Texinfo year variables should always be on one line
        after_years = line[match.end(2):].strip()
        if after_years != ':
            self.errors.report(pathname,
                'trailing characters in @set: ' + after_years)
        return (False, orig_line, next_line)
    else:
        # If it looks like the copyright is incomplete, add the next line.
        while not self.is_complete(match):
            try:
                next_line = file.next()
            except StopIteration:
                break
            # If the next line doesn’t look like a proper continuation,
            # assume that what we’ve got is complete.
            continuation = self.strip_continuation(next_line)
            if not self.continuation_re.match(continuation):
                break

        # Merge the lines for matching purposes.
        orig_line += next_line
    line = line.rstrip() + ' ' + continuation
next_line = None

# Rematch with the longer line, at the original position.
match = self.copyright_re.match (line, match.start())
assert match

holder = match.group (4)

# Use the filter to test cases where markup is getting in the way.
if filter.by_package_author (dir, filename):
    assert holder not in self.holders

elif not holder:
    self.errors.report (pathname, 'missing copyright holder')
    return (False, orig_line, next_line)

elif holder not in self.holders:
    self.errors.report (pathname, 'unrecognised copyright holder: ' + holder)
    return (False, orig_line, next_line)

else:
    # See whether the copyright is associated with the package
    # author.
    canon_form = self.holders[holder]
    if not canon_form:
        return (False, orig_line, next_line)

    # Make sure the author is given in a consistent way.
    line = (line[:match.start (4)]
            + canon_form
            + line[match.end (4):])

    # Remove any 'by'
    line = line[:match.start (3)] + line[match.end (3):]

    # Update the copyright years.
    years = match.group (2).strip()
    try:
        canon_form = self.canonicalise_years (dir, filename, filter, years)
    except self.BadYear as e:
        self.errors.report (pathname, str (e))
        return (False, orig_line, next_line)

    line = (line[:match.start (2)]
            + ('' if intro.startswith ('copyright = ') else ' ')
            + canon_form + self.separator
            + line[match.end (2):])
# Use the standard (C) form.
if intro.endswith('right'):
    intro += ' (C)
elif intro.endswith('(c)'):
    intro = intro[:-3] + '(C)
line = line[:match.start(1)] + intro + line[match.end(1):]

# Strip trailing whitespace
line = line.rstrip() + '\n'

return (line != orig_line, line, next_line)

def process_file(self, dir, filename, filter):
    pathname = os.path.join(dir, filename)
    if filename.endswith('.tmp'):
        # Looks like something we tried to create before.
        try:
            os.remove(pathname)
        except OSError:
            pass
        return

    lines = []
    changed = False
    line_filter = filter.get_line_filter(dir, filename)
    with open(pathname, 'r') as file:
        prev = None
        for line in file:
            while line:
                next_line = None
                # Leave filtered-out lines alone.
                if not (line_filter and line_filter.match(line)):
                    match = self.copyright_re.search(line)
                    if match:
                        res = self.update_copyright(dir, filename, filter,
                                                     file, line, match)
                        (this_changed, line, next_line) = res
                        changed = changed or this_changed

                # Check for copyright lines that might have slipped by.
                elif self.other_copyright_re.search(line):
                    self.errors.report(pathname,
                                       'unrecognised copyright: %s'
                                       % line.strip())
                lines.append(line)
                line = next_line
# If something changed, write the new file out.
if changed and self.errors.ok():
    tmp_pathname = pathname + '.tmp'
    with open (tmp_pathname, 'w') as file:
        for line in lines:
            file.write (line)
    if self.use_quilt:
        subprocess.call (['quilt', 'add', pathname])
    os.rename (tmp_pathname, pathname)

def process_tree (self, tree, filter):
    for (dir, subdirs, filenames) in os.walk (tree):
        # Don't recurse through directories that should be skipped.
        for i in xrange (len (subdirs) - 1, -1, -1):
            if filter.skip_dir (dir, subdirs[i]):
                del subdirs[i]

        # Handle the files in this directory.
        for filename in filenames:
            if filter.skip_file (dir, filename):
                sys.stdout.write ('Skipping %s
' % os.path.join (dir, filename))
            else:
                self.process_file (dir, filename, filter)

class CmdLine:
    def __init__ (self, copyright = Copyright):
        self.errors = Errors()
        self.copyright = copyright (self.errors)
        self.dirs = []
        self.default_dirs = []
        self.chosen_dirs = []
        self.option_handlers = dict()
        self.option_help = []

        self.add_option ('--help', 'Print this help', self.o_help)
        self.add_option ('--quilt', '"quilt add" files before changing them',
                        self.o_quilt)
        self.add_option ('--this-year', 'Add the current year to every notice',
                        self.o_this_year)

    def add_option (self, name, help, handler):
        self.option_help.append ((name, help))
        self.option_handlers[name] = handler

    def add_dir (self, dir, filter = GenericFilter()):
        self.dirs.append ((dir, filter))

    def process_file (self, dir, filename, filter):
        # Process the file in this directory.
        if filter.skip_file (dir, filename):
            sys.stdout.write ('Skipping %s
' % os.path.join (dir, filename))
        else:
            self.process_file (dir, filename, filter)
def o_help (self, option = None):
    sys.stdout.write ('Usage: %s [options] dir1 dir2...

    Options:
    %sys.argv[0])
    for (what, help) in self.option_help:
        sys.stdout.write (format % (what, help))
    sys.stdout.write ('nDirectories:n')

    format = '%-15s %s
    i = 0
    for (dir, filter) in self.dirs:
        i += 1
        if i % 3 == 0 or i == len (self.dirs):
            sys.stdout.write (dir + '\n')
        else:
            sys.stdout.write (format % dir)
sys.exit (0)

def o_quilt (self, option):
    self.copyright.set_use_quilt (True)

def o_this_year (self, option):
    self.copyright.include_year (time.localtime().tm_year)

def main (self):
    for arg in sys.argv[1:]:
        if arg[1:] != '-:
            self.chosen_dirs.append (arg)
elif arg in self.option_handlers:
            self.option_handlers[arg] (arg)
else:
    self.errors.report (None, 'unrecognised option: ' + arg)
if self.errors.ok():
    if len (self.chosen_dirs) == 0:
        self.chosen_dirs = self.default_dirs
    if len (self.chosen_dirs) == 0:
        self.o_help()
    else:
        for chosen_dir in self.chosen_dirs:
            canon_dir = os.path.join (chosen_dir, '')
            count = 0
            for (dir, filter) in self.dirs:
                if (dir + os.sep).startswith (canon_dir):
                    count += 1
                self.copyright.process_tree (dir, filter)
            if count == 0:
                self.errors.report (None, 'unrecognised directory: '
                                  + chosen_dir)
sys.exit (0 if self.errors.ok() else 1)

#----------------------------------------------------------------------------------------

class TopLevelFilter (GenericFilter):
    def skip_dir (self, dir, subdir):
        return True

class ConfigFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

    def skip_file (self, dir, filename):
        if filename.endswith ('.m4'):
            pathname = os.path.join (dir, filename)
            with open (pathname) as file:
                # Skip files imported from gettext.
                if file.readline().find ('gettext-') >= 0:
                    return True
            return GenericFilter.skip_file (self, dir, filename)

class GCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_files |= set (
            # Not part of GCC
            'math-68881.h',
            )

        self.skip_dirs |= set (
            # Better not create a merge nightmare for the GNAT folks.
            'ada',

            # Handled separately.
            'testsuite',
        )

        self.skip_extensions |= set (
            # Maintained by the translation project.
            '.po',

            # Automatically-generated.
            '.pot',
        )

        self.fossilised_files |= set (
            # Old news won't be updated.
        )
class TestsuiteFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set ([
            # Don't change the tests, which could be woend by anyone.
            '.c',
            '.C',
            '.cc',
            '.h',
            '.hs',
            '.f',
            '.f90',
            '.go',
            '.inc',
            '.java',
            ])

    def skip_file (self, dir, filename):
        # g++.niklas/README contains historical copyright information
        # and isn't updated.
        if filename == 'README' and os.path.basename (dir) == 'g++.niklas':
            return True

        return GenericFilter.skip_file (self, dir, filename)

class LibCppFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set ([
            # Maintained by the translation project.
            '.po',

            # Automatically-generated.
            '.pot',
            ])

class LibGCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set ([
            # Imported from GLIBC.
            'soft-fp',
            ])

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class LibJavaFilter (GenericFilter):
  def __init__ (self):
    GenericFilter.__init__ (self)

    self.skip_dirs |= set (
        # Handled separately.
        'testsuite',

        # Not really part of the library
        'contrib',

        # Imported from upstream
        'classpath',
        'libltdl',
    )

  def get_line_filter (self, dir, filename):
    if filename == 'NameDecoder.h':
      return re.compile ('.*NAME_COPYRIGHT')
    if filename == 'ICC_Profile.h':
      return re.compile ('.*icSigCopyrightTag')
    return GenericFilter.get_line_filter (self, dir, filename)

class LibMudflapFilter (GenericFilter):
  def __init__ (self):
    GenericFilter.__init__ (self)

    self.skip_dirs |= set (
        # Handled separately.
        'testsuite',
    )

class LibStdCxxFilter (GenericFilter):
  def __init__ (self):
    GenericFilter.__init__ (self)

    self.skip_files |= set (
        # Contains no copyright of its own, but quotes the GPL.
        'intro.xml',
    )
    self.skip_dirs |= set (
        # Contains automatically-generated sources.
        'html',

        # The testsuite data files shouldn't be changed.
        'data',
    )
self.own_files |= set([
    # Contains markup around the copyright owner.
    'spine.xml',
    ])

def get_line_filter(self, dir, filename):
    if filename == 'boost_concept_check.h':
        return re.compile('/\/(C) Copyright Jeremy Siek')
    return GenericFilter.get_line_filter(self, dir, filename)

class GCCCopyright(Copyright):
    def __init__(self, errors):
        Copyright.__init__(self, errors)

        canon_fsf = 'Free Software Foundation, Inc.'
        self.add_package_author('Free Software Foundation', canon_fsf)
        self.add_package_author('Free Software Foundation.', canon_fsf)
        self.add_package_author('Free Software Foundation Inc.', canon_fsf)
        self.add_package_author('Free Software Foundation, Inc', canon_fsf)
        self.add_package_author('Free Software Foundation, Inc.', canon_fsf)
        self.add_package_author('The Free Software Foundation', canon_fsf)
        self.add_package_author('The Free Software Foundation, Inc.', canon_fsf)
        self.add_package_author('Software Foundation, Inc.', canon_fsf)

        self.add_external_author('ARM')
        self.add_external_author('AdaCore')
        self.add_external_author('Ami Tavory and Vladimir Dreizin, IBM-HRL.')
        self.add_external_author('Cavium Networks.')
        self.add_external_author('Faraday Technology Corp.')
        self.add_external_author('Florida State University')
        self.add_external_author('Greg Colvin and Beman Dawes.')
        self.add_external_author('Hewlett-Packard Company')
        self.add_external_author('Information Technology Industry Council.')
        self.add_external_author('James Theiler, Brian Gough')
        self.add_external_author('Makoto Matsumoto and Takuji Nishimura,')
        self.add_external_author('National Research Council of Canada.')
        self.add_external_author('NVIDIA Corporation')
        self.add_external_author('Peter Dimov and Multi Media Ltd.')
        self.add_external_author('Peter Dimov')
        self.add_external_author('Pipeline Associates, Inc.')
        self.add_external_author('Regents of the University of California.')
        self.add_external_author('Silicon Graphics Computer Systems, Inc.')
        self.add_external_author('Silicon Graphics')
class GCCCmdLine (CmdLine):
    def __init__ (self):
        CmdLine.__init__ (self, GCCCopyright)

        self.add_dir ('.', TopLevelFilter())
        # boehm-gc is imported from upstream.
        self.add_dir ('config', ConfigFilter())
        # contrib isn't really part of GCC.
        self.add_dir ('fixincludes')
        self.add_dir ('gcc', GCCFilter())
        self.add_dir (os.path.join ('gcc', 'testsuite'), TestsuiteFilter())
        self.add_dir ('gnattools')
        self.add_dir ('include')
        self.add_dir ('libada')
        self.add_dir ('libatomic')
        self.add_dir ('libbacktrace')
        self.add_dir ('libcpp', LibCppFilter())
        self.add_dir ('libdecnumber')
        # libffi is imported from upstream.
        self.add_dir ('libgcc', LibGCCFilter())
        self.add_dir ('libgfortran')
        self.add_dir ('libgomp')
        self.add_dir ('libiberty')
        self.add_dir ('libitm')
        self.add_dir ('libjava', LibJavaFilter())
        self.add_dir (os.path.join ('libjava', 'testsuite'), TestsuiteFilter())
        self.add_dir ('libmudflap', LibMudflapFilter())
        self.add_dir (os.path.join ('libmudflap', 'testsuite'), TestsuiteFilter())
        self.add_dir ('libobjc')
        self.add_dir ('libquadmath')
        # libsanitiser is imported from upstream.
        self.add_dir ('libssp')
        self.add_dir (os.path.join ('libstdc++-v3', 'LibStdCxxFilter()'))
        self.add_dir ('libvtv')
        self.add_dir ('lto-plugin')
        # zlib is imported from upstream.

        self.default_dirs = [
GCCCmdLine().main()
/* Permission.java -- The superclass for all permission objects

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independent module, the terms and conditions of the license of that
module. An independent module is a module which is not derived from

'gcc',
'libada',
'libatomic',
'libbacktrace',
'libc++',
'libdecnumber',
'libgcc',
'libgfortran',
'libgomp',
'libitm',
'libmudflap',
'libobjc',
'libstdc++-v3',
]
or based on this library. If you modify this library, you may extend this exception to your version of the library, but you are not obligated to do so. If you do not wish to do so, delete this exception statement from your version. */

package java.security;

import gnu.java.lang.CPStringBuilder;

import java.io.Serializable;

/**
 * This class is the abstract superclass of all classes that implement
 * the concept of a permission. A permission consists of a permission name
 * and optionally a list of actions that relate to the permission. The
 * actual meaning of the name of the permission is defined only in the
 * context of a subclass. It may name a resource to which access permissions
 * are granted (for example, the name of a file) or it might represent
 * something else entirely. Similarly, the action list only has meaning
 * within the context of a subclass. Some permission names may have no
 * actions associated with them. That is, you either have the permission
 * or you don't.
 * *
 * * <p>The most important method in this class is <code>implies</code>. This
 * * checks whether if one has this permission, then the specified
 * * permission is also implied. As a conceptual example, consider the
 * * permissions "Read All Files" and "Read File foo". The permission
 * * "Read All Files" implies that the caller has permission to read the
 * * file foo.
 * *
 * * <p><code>Permission</code>’s must be immutable - do not change their
 * * state after creation.
 * *
 * @author Aaron M. Renn (arenn@urbanophile.com)
 * @see Permissions
 * @see PermissionCollection
 * @since 1.1
 * @status updated to 1.4
 */

public abstract class Permission implements Guard, Serializable {

    /**
     * Compatible with JDK 1.1+.
     */

    private static final long serialVersionUID = -5636570222231596674L;

    /**
     * This is the name assigned to this permission object.
     */
private String name;

/**
 * Create an instance with the specified name.
 *
 * @param name the permission name
 *
 */
public Permission(String name)
{
    this.name = name;
}

/**
 * This method implements the <code>Guard</code> interface for this class.
 * It calls the <code>checkPermission</code> method in
 * <code>SecurityManager</code> with this <code>Permission</code> as its
 * argument. This method returns silently if the security check succeeds
 * or throws an exception if it fails.
 *
 * @param obj the <code>Object</code> being guarded - ignored by this class
 * @throws SecurityException if the security check fails
 * @see GuardedObject
 * @see SecurityManager#checkPermission(Permission)
 */
public void checkGuard(Object obj)
{
    SecurityManager sm = System.getSecurityManager();
    if (sm != null)
        sm.checkPermission(this);
}

/**
 * This method tests whether this <code>Permission</code> implies that the
 * specified <code>Permission</code> is also granted.
 *
 * @param perm the <code>Permission</code> to test against
 * @return true if perm is implied by this
 */
public abstract boolean implies(Permission perm);

/**
 * Check to see if this object equals obj. Use <code>implies</code>, rather
 * than <code>equals</code>, when making access control decisions.
 *
 * @param obj the object to compare to
public abstract boolean equals(Object obj);

/**
 * This method returns a hash code for this <code>Permission</code>. It
 * must satisfy the contract of <code>Object.hashCode</code>: it must be
 * the same for all objects that equals considers to be the same.
 * @return a hash value
 */
public abstract int hashCode();

/**
 * Get the name of this <code>Permission</code>.
 * @return the name
 */
public final String getName()
{
    return name;
}

/**
 * This method returns the list of actions for this <code>Permission</code>
 * as a <code>String</code>. The string should be in canonical order, for
 * example, both <code>new FilePermission(f, "write,read")</code> and
 * <code>new FilePermission(f, "read,write")</code> have the action list
 * "read,write".
 * @return the action list for this <code>Permission</code>
 */
public abstract String getActions();

/**
 * This method returns an empty <code>PermissionCollection</code> object
 * that can store permissions of this type, or <code>null</code> if no
 * such collection is defined. Subclasses must override this to provide
 * an appropriate collection when one is needed to accurately calculate
 * <code>implies</code>.
 * @return a new <code>PermissionCollection</code>
 */
public PermissionCollection newPermissionCollection()
{
    return null;
}
This method returns a `String` representation of this
`Permission` object. This is in the format:
`(' + getClass().getName() + ' ' + getName() + ' ' + getActions
+ ')')`.

* @return this object as a `String`
# Pass --this-year to the script if you want it to add the current year
to all applicable notices. Pass --quilt if you are using quilt and
want files to be added to the quilt before being changed.

# By default the script will update all directories for which the
output has been vetted. You can instead pass the names of individual
directories, including those that haven't been approved. So:

# update-copyright.pl --this-year

# is the command that would be used at the beginning of a year to update
all copyright notices (and possibly at other times to check whether
new files have been added with old years). On the other hand:

# update-copyright.pl --this-year libjava

# would run the script on just libjava/.

# Note that things like --version output strings must be updated before
this script is run. There's already a separate procedure for that.

import os
import re
import sys
import time
import subprocess

class Errors:
    def __init__ (self):
        self.num_errors = 0

def report (self, filename, string):
    if filename:
        string = filename + ' ' + string
    sys.stderr.write (string + '
')
    self.num_errors += 1

def ok (self):
    return self.num_errors == 0

class GenericFilter:
    def __init__ (self):
        self.skip_files = set()
        self.skip_dirs = set()
        self.skip_extensions = set()
        self.fossilised_files = set()
        self.own_files = set()
self.skip_files |= set([
    # Skip licence files.
    'COPYING',
    'COPYING.LIB',
    'COPYING3',
    'COPYING3.LIB',
    'LICENSE',
    'fdl.texi',
    'gpl_v3.texi',
    'fdl-1.3.xml',
    'gpl-3.0.xml',

    # Skip auto- and libtool-related files
    'aclocal.m4',
    'compile',
    'config.guess',
    'config.sub',
    'depcomp',
    'install-sh',
    'libtool.m4',
    'ltmain.sh',
    'itoptions.m4',
    'ltversion.m4',
    'lt~obsolete.m4',
    'missing',
    'mkdep',
    'mkinstalldirs',
    'move-if-change',
    'shlibpath.m4',
    'symlink-tree',
    'ylwrap',

    # Skip FSF mission statement, etc.
    'gnu.texi',
    'funding.texi',
    'appendix_free.xml',

    # Skip imported texinfo files.
    'texinfo.tex',
])

def get_line_filter (self, dir, filename):
    if filename.startswith ('ChangeLog'):
        # Ignore references to copyright in changelog entries.
        return re.compile ('\t')
return None

def skip_file (self, dir, filename):
    if filename in self.skip_files:
        return True

    (base, extension) = os.path.splitext (os.path.join (dir, filename))
    if extension in self.skip_extensions:
        return True

    if extension == '.in':
        # Skip .in files produced by automake.
        if os.path.exists (base + '.am'):
            return True

        # Skip files produced by autogen
        if (os.path.exists (base + '.def')
            and os.path.exists (base + '.tpl')):
            return True

        # Skip configure files produced by autoconf
        if filename == 'configure':
            if os.path.exists (base + '.ac'):
                return True
            if os.path.exists (base + '.in'):
                return True

    return False

def skip_dir (self, dir, subdir):
    return subdir in self.skip_dirs

def is_fossilised_file (self, dir, filename):
    if filename in self.fossilised_files:
        return True

    # Only touch current current ChangeLogs.
    if filename != 'ChangeLog' and filename.find ('ChangeLog') >= 0:
        return True

    return False

def by_package_author (self, dir, filename):
    return filename in self.own_files

class Copyright:
    def __init__ (self, errors):
        self.errors = errors

        # Characters in a range of years. Include '.' for typos.
ranges = '[0-9]{?[-0-9,.\s]\s+and\s+}*[0-9]'

# Non-whitespace characters in a copyright holder's name.
name = '[\w-,]+'

# Matches one year.
self.year_re = re.compile('[0-9]+')

# Matches part of a year or copyright holder.
self.continuation_re = re.compile(ranges + '|' + name)

# Matches a full copyright notice:
self.copyright_re = re.compile(r'
# 1: 'Copyright (C)', etc.
'\([Cc]\)opyright\n\([Cc]\)opyright\s+\([Cc]\)\)
\([Cc]\)opyright\s+\%s
\([Cc]\)opyright\s+&copy;\n\([Cc]\)opyright\s+@copyright\}
\copyright = u''
\@set\s+\copyright\[w-]+''

# 2: the years. Include the whitespace in the year, so that
# we can remove any excess.
'(\s*\s+' + ranges + ',?\s*)'\n
# 3: 'by ', if used
'(by\s+)?'\n
# 4: the copyright holder. Don't allow multiple consecutive
# spaces, so that right-margin gloss doesn't get caught
# (e.g. gnat_ugn.texi).
'( + name + '(?\s?\s? + name ++)?)'\n
# A regexp for notices that might have slipped by. Just matching
# 'copyright' is too noisy, and 'copyright.*[0-9]' falls foul of
# HTML header markers, so check for 'copyright' and two digits.
self.other_copyright_re = re.compile('copyright.*[0-9][0-9]', re.IGNORECASE)

self.comment_re = re.compile('#+|[*]+|;+|%+//+@c dnl ')  
self.holders = { '@copying': 'copyright' }  
self.holder_prefixes = set()

# True to 'quilt add' files before changing them.
self.use_quilt = False

# If set, force all notices to include this year.
self.max_year = None

# Goes after the year(s). Could be ',', '
self.separator = ' ' 

def add_package_author (self, holder, canon_form = None):
    if not canon_form:
        canon_form = holder
    self.holders[holder] = canon_form
    index = holder.find ('')
    while index >= 0:
        self.holder_prefixes.add (holder[:index])
        index = holder.find ('', index + 1)

def add_external_author (self, holder):
    self.holders[holder] = None

class BadYear():
    def __init__ (self, year):
        self.year = year

    def __str__ (self):
        return 'unrecognised year: ' + self.year

def parse_year (self, string):
    year = int (string)
    if len (string) == 2:
        if year > 70:
            return year + 1900
        elif len (string) == 4:
            return year
        raise self.BadYear (string)

    def year_range (self, years):
        year_list = [self.parse_year (year)
            for year in self.year_re.findall (years)]
        assert len (year_list) > 0
        return (min (year_list), max (year_list))

    def set_use_quilt (self, use_quilt):
        self.use_quilt = use_quilt

    def include_year (self, year):
        assert not self.max_year
        self.max_year = year

    def canonicalise_years (self, dir, filename, filter, years):
        # Leave texinfo variables alone.
if years.startswith('@value'):
    return years

(min_year, max_year) = self.year_range (years)

# Update the upper bound, if enabled.
if self.max_year and not filter.is_fossilised_file (dir, filename):
    max_year = max (max_year, self.max_year)

# Use a range.
if min_year == max_year:
    return '%d' % min_year
else:
    return '%d-%d' % (min_year, max_year)

def strip_continuation (self, line):
    line = line.lstrip()
    match = self.comment_re.match (line)
    if match:
        line = line[match.end():].lstrip()
    return line

def is_complete (self, match):
    holder = match.group (4)
    return (holder
        and (holder not in self.holder_prefixes
            or holder in self.holders))

def update_copyright (self, dir, filename, filter, file, line, match):
    orig_line = line
    next_line = None
    pathname = os.path.join (dir, filename)

    intro = match.group (1)
    if intro.startswith('@set'):
        # Texinfo year variables should always be on one line
        after_years = line[match.end (2):].strip()
        if after_years != '':
            self.errors.report (pathname,
                'trailing characters in @set: ' + after_years)
            return (False, orig_line, next_line)
        else:
            # If it looks like the copyright is incomplete, add the next line.
            while not self.is_complete (match):
                try:
                    next_line = file.next()
                except StopIteration:
                    break
            intro = intro + ' ' + next_line
break

# If the next line doesn't look like a proper continuation,
# assume that what we've got is complete.
continuation = self.strip_continuation (next_line)
if not self.continuation_re.match (continuation):
    break

# Merge the lines for matching purposes.
orig_line += next_line
line = line.rstrip() + ' ' + continuation
next_line = None

# Rematch with the longer line, at the original position.
match = self.copyright_re.match (line, match.start())
assert match
holder = match.group (4)

# Use the filter to test cases where markup is getting in the way.
if filter.by_package_author (dir, filename):
    assert holder not in self.holders

elif not holder:
    self.errors.report (pathname, 'missing copyright holder')
    return (False, orig_line, next_line)

elif holder not in self.holders:
    self.errors.report (pathname,
    'unrecognised copyright holder: ' + holder)
    return (False, orig_line, next_line)

else:
    # See whether the copyright is associated with the package
    # author.
canon_form = self.holders[holder]
if not canon_form:
    return (False, orig_line, next_line)

    # Make sure the author is given in a consistent way.
line = (line[:match.start (4)]
    + canon_form
    + line[match.end (4):])

    # Remove any 'by'
line = line[:match.start (3)] + line[match.end (3):]

    # Update the copyright years.
years = match.group(2).strip()
try:
    canon_form = self.canonicalise_years(dir, filename, filter, years)
except self.BadYear as e:
    self.errors.report(pathname, str(e))
    return (False, orig_line, next_line)

line = (line[:match.start(2)]
    + ('' if intro.startswith('copyright = ') else ' ')
    + canon_form + self.separator
    + line[match.end(2):])

# Use the standard (C) form.
if intro.endswith('right'):
    intro += ' (C)'
elif intro.endswith('(c)'):
    intro = intro[:-3] + '(C)'
line = line[:match.start(1)] + intro + line[match.end(1):]

# Strip trailing whitespace
line = line.rstrip() + '
'

return (line != orig_line, line, next_line)

def process_file(self, dir, filename, filter):
    pathname = os.path.join(dir, filename)
    if filename.endswith('.tmp'):
        # Looks like something we tried to create before.
        try:
            os.remove(pathname)
        except OSError:
            pass
        return

    lines = []
    changed = False
    line_filter = filter.get_line_filter(dir, filename)
    with open(pathname, 'r') as file:
        prev = None
        for line in file:
            while line:
                next_line = None
                # Leave filtered-out lines alone.
                if not (line_filter and line_filter.match(line)):
                    match = self.copyright_re.search(line)
                    if match:
                        res = self.update_copyright(dir, filename, filter,
                            file, line, match)
(this_changed, line, next_line) = res
changed = changed or this_changed

# Check for copyright lines that might have slipped by.
eelif self.other_copyright_re.search(line):
    self.errors.report(pathname,
        'unrecognised copyright: %s'
        % line.strip())
    lines.append(line)
    line = next_line

# If something changed, write the new file out.
if changed and self.errors.ok():
    tmp_pathname = pathname + '.tmp'
    with open(tmp_pathname, 'w') as file:
        for line in lines:
            file.write(line)
    if self.use_quilt:
        subprocess.call(['quilt', 'add', pathname])
    os.rename(tmp_pathname, pathname)

def process_tree(self, tree, filter):
    for (dir, subdirs, filenames) in os.walk(tree):
        # Don't recurse through directories that should be skipped.
        for i in xrange(len(subdirs) - 1, -1, -1):
            if filter.skip_dir(dir, subdirs[i]):
                del subdirs[i]

        # Handle the files in this directory.
        for filename in filenames:
            if filter.skip_file(dir, filename):
                sys.stdout.write('Skipping %s
' % os.path.join(dir, filename))
            else:
                self.process_file(dir, filename, filter)

class CmdLine:
    def __init__(self, copyright = Copyright):
        self.errors = Errors()
        self.copyright = copyright(self.errors)
        self.dirs = []
        self.default_dirs = []
        self.chosen_dirs = []
        self.option_handlers = dict()
        self.option_help = []

        self.add_option ('--help', 'Print this help', self.o_help)
        self.add_option ('--quilt', '"quilt add" files before changing them',

---
def add_option (self, name, help, handler):
    self.option_help.append ((name, help))
    self.option_handlers[name] = handler

def add_dir (self, dir, filter = GenericFilter()):
    self.dirs.append ((dir, filter))

def o_help (self, option = None):
    sys.stdout.write ('Usage: %s [options] dir1 dir2...

    Options:
    ' % sys.argv[0])
    format = '%-15s %s
    '
    for (what, help) in self.option_help:
        sys.stdout.write (format % (what, help))
    sys.stdout.write ('
Directories:
    ')
    format = '%-25s
    i = 0
    for (dir, filter) in self.dirs:
        i += 1
        if i % 3 == 0 or i == len (self.dirs):
            sys.stdout.write (dir + '\n')
        else:
            sys.stdout.write (format % dir)
    sys.exit (0)

def o_quilt (self, option):
    self.copyright.set_use_quilt (True)

def o_this_year (self, option):
    self.copyright.include_year (time.localtime().tm_year)

def main (self):
    for arg in sys.argv[1:]:
        if arg[:1] != '-':
            self.chosen_dirs.append (arg)
        elif arg in self.option_handlers:
            self.option_handlers[arg] (arg)
        else:
            self.errors.report (None, 'unrecognised option: ' + arg)
    if self.errors.ok():
        if len (self.chosen_dirs) == 0:
            self.chosen_dirs = self.default_dirs
        if len (self.chosen_dirs) == 0:
            self.o_help()
else:
    for chosen_dir in self.chosen_dirs:
        canon_dir = os.path.join (chosen_dir, '')
        count = 0
        for (dir, filter) in self.dirs:
            if (dir + os.sep).startswith (canon_dir):
                count += 1
                self.copyright.process_tree (dir, filter)
        if count == 0:
            self.errors.report (None, 'unrecognised directory: ' + chosen_dir)
        sys.exit (0 if self.errors.ok() else 1)

#----------------------------------------------------------------------
class TopLevelFilter (GenericFilter):
    def skip_dir (self, dir, subdir):
        return True

class ConfigFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

    def skip_file (self, dir, filename):
        if filename.endswith ('.m4'):
            pathname = os.path.join (dir, filename)
            with open (pathname) as file:
                # Skip files imported from gettext.
                if file.readline().find ('gettext-') >= 0:
                    return True
            return GenericFilter.skip_file (self, dir, filename)

class GCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_files |= set (
            # Not part of GCC
            'math-68881.h',
        )

        self.skip_dirs |= set (
            # Better not create a merge nightmare for the GNAT folks.
            'ada',

            # Handled separately.
            'testsuite',
        )
self.skip_extensions |= set([
    # Maintained by the translation project.
    '.po',

    # Automatically-generated.
    '.pot',
])

self.fossilised_files |= set([
    # Old news won't be updated.
    'ONEWS',
])

class TestsuiteFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set([
            # Don't change the tests, which could be woend by anyone.
            '.c',
            '.C',
            '.cc',
            '.h',
            '.hs',
            '.f',
            '.f90',
            '.go',
            '.inc',
            '.java',
        ])

    def skip_file (self, dir, filename):
        # g++.niklas/README contains historical copyright information
        # and isn't updated.
        if filename == 'README' and os.path.basename (dir) == 'g++.niklas':
            return True
        return GenericFilter.skip_file (self, dir, filename)

class LibCppFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set([
            # Maintained by the translation project.
            '.po',

            # Automatically-generated.
class LibGCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set (
            # Imported from GLIBC.
            'soft-fp',
        )

class LibJavaFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set (
            # Handled separately.
            'testsuite',

            # Not really part of the library
            'contrib',

            # Imported from upstream
            'classpath',
            'libltdl',
        )

    def get_line_filter (self, dir, filename):
        if filename == 'NameDecoder.h':
            return re.compile ('.*NAME_COPYRIGHT')
        if filename == 'ICC_Profile.h':
            return re.compile ('.*icSigCopyrightTag')
        return GenericFilter.get_line_filter (self, dir, filename)

class LibMudflapFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set (
            # Handled separately.
            'testsuite',
        )

class LibStdCxxFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)
self.skip_files |= set([
    # Contains no copyright of its own, but quotes the GPL.
    'intro.xml',
])

self.skip_dirs |= set([
    # Contains automatically-generated sources.
    'html',

    # The testsuite data files shouldn't be changed.
    'data',

    # Contains imported images
    'images',
])

self.own_files |= set([
    # Contains markup around the copyright owner.
    'spine.xml',
])

def get_line_filter(self, dir, filename):
    if filename == 'boost_concept_check.h':
        return re.compile('// \(C\) Copyright Jeremy Siek')
    return GenericFilter.get_line_filter(self, dir, filename)

class GCCCopyright(Copyright):
    def __init__(self, errors):
        Copyright.__init__(self, errors)

        canon_fsf = 'Free Software Foundation, Inc.'
        self.add_package_author('Free Software Foundation', canon_fsf)
        self.add_package_author('Free Software Foundation.', canon_fsf)
        self.add_package_author('Free Software Foundation Inc.', canon_fsf)
        self.add_package_author('Free Software Foundation, Inc', canon_fsf)
        self.add_package_author('The Free Software Foundation', canon_fsf)
        self.add_package_author('The Free Software Foundation, Inc', canon_fsf)
        self.add_package_author('Software Foundation, Inc.', canon_fsf)
        self.add_package_author('Free Software Foundation, Inc.', canon_fsf)

        self.add_external_author('ARM')
        self.add_external_author('AdaCore')
        self.add_external_author('Ami Tavory and Vladimir Dreizin, IBM-HRL.')
        self.add_external_author('Cavium Networks.')
        self.add_external_author('Faraday Technology Corp.')
        self.add_external_author('Florida State University')
        self.add_external_author('Greg Colvin and Beman Dawes.')
        self.add_external_author('Hewlett-Packard Company')
class GCCCmdLine (CmdLine):
    def __init__ (self):
        CmdLine.__init__ (self, GCCCopyright)

        self.add_dir ('.', TopLevelFilter())
        # boehm-gc is imported from upstream.
        self.add_dir ('config', ConfigFilter())
        # contrib isn't really part of GCC.
        self.add_dir ('fixincludes')
        self.add_dir ('gcc', GCCFilter())
        self.add_dir (os.path.join ('gcc', 'testsuite'), TestsuiteFilter())
        self.add_dir ('gnattools')
        self.add_dir ('include')
        self.add_dir ('libada')
        self.add_dir ('libatomic')
        self.add_dir ('libbacktrace')
        self.add_dir ('libc++', LibCppFilter())
        self.add_dir ('libdecmnumber')
        # libffi is imported from upstream.
        self.add_dir ('libgcc', LibGCCFilter())
        self.add_dir ('libgfortran')
        self.add_dir ('libgomp')
        self.add_dir ('libiberty')
        self.add_dir ('libitm')
        self.add_dir ('libjava', LibJavaFilter())
        self.add_dir (os.path.join ('libjava', 'testsuite'), TestsuiteFilter())
        self.add_dir ('libmudflap', LibMudflapFilter())
        self.add_dir (os.path.join ('libmudflap', 'testsuite'),)
TestsuiteFilter()
self.add_dir('libobjc')
self.add_dir('libquadmath')
# libsanitiser is imported from upstream.
self.add_dir('libssp')
self.add_dir('libstdc++-v3', LibStdCxxFilter())
self.add_dir('libvtv')
self.add_dir('lto-plugin')
# zlib is imported from upstream.

self.default_dirs = [
    'gcc',
    'libada',
    'libatomic',
    'libbacktrace',
    'libcpp',
    'libdecmnumber',
    'libgcc',
    'libgfortran',
    'libgomp',
    'libitm',
    'libmudflap',
    'libobjc',
    'libstdc++-v3',
]

GCCCmdLine().main()

1f+gnu/classpath/tools/taglets/CopyrightTaglet-java/lang/Object/com/sun/tools/doclets/TagletNAME=java/lang/String;
ConstantValue:copyrightHEADER
Copyright:<init>()VCode
LineNumberTable,LocalVariableTable,IniField
inConstructor,inMethod
inOverview,inPackage,inType,isInlineTag,register(Ljava/util/Map;)V

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java/util/Map+,.put8(Ljava/lang/Object;Ljava/lang/Object;Ljava/lang/Object;
tagletMap,java/util/Map;copyrightTagletToString(Lcom/sun/javadoc/Tag;Ljava/lang/String;inField())Z
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BXtags(Lcom/sun/javadoc/Tag;haveValidTagZI)resultLjava/lang/StringBuffer;

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or based on this library. If you modify this library, you may extend
this exception to your version of the library, but you are not
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exception statement from your version. */

package java.security.acl;

/**
 * This interface provides information about a permission that can be
 * granted. Note that this is <em>not</em> the same as the class
 * <code>java.security.Permission</code>.
 * *
 * @version 0.0
 *
 * @author Aaron M. Renn (arenn@urbanophile.com)
 */

public interface Permission
{
 /**
 * This method tests whether or not a specified <code>Permission</code>
 * (passed as an <code>Object</code>) is the same as this permission.
* @param perm The permission to check for equality
*<br/>
* @return <code>true</code> if the specified permission is the same as this one, <code>false</code> otherwise */
boolean equals (Object perm);

/**
* This method returns this <code>Permission</code> as a <code>String</code>.
*<br/>
* @return A <code>String</code> representing this permission.
*/
String toString();
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package java.security;

import gnu.java.lang.CPStringBuilder;

import java.io.Serializable;

/**
 * This class is the abstract superclass of all classes that implement
 * the concept of a permission. A permission consists of a permission name
 * and optionally a list of actions that relate to the permission. The
 */

open source used in cisco container platform 6.1.030296
* actual meaning of the name of the permission is defined only in the
* context of a subclass. It may name a resource to which access permissions
* are granted (for example, the name of a file) or it might represent
* something else entirely. Similarly, the action list only has meaning
* within the context of a subclass. Some permission names may have no
* actions associated with them. That is, you either have the permission
* or you don't.
*
* The most important method in this class is <code>implies</code>. This
* checks whether if one has this permission, then the specified
* permission is also implied. As a conceptual example, consider the
* permissions "Read All Files" and "Read File foo". The permission
* "Read All Files" implies that the caller has permission to read the
* file foo.
*
* <code>Permission</code>'s must be immutable - do not change their
* state after creation.
*
* @author Aaron M. Renn (arenn@urbanophile.com)
* @see Permissions
* @see PermissionCollection
* @since 1.1
* @status updated to 1.4
*/
public abstract class Permission implements Guard, Serializable
{
/**
 * Compatible with JDK 1.1+.
 */
private static final long serialVersionUID = -563657022231596674L;

/**
 * This is the name assigned to this permission object.
 *
 * @serial the name of the permission
 */
private String name;

/**
 * Create an instance with the specified name.
 *
 * @param name the permission name
 */
public Permission(String name)
{
    this.name = name;
}
/**
 * This method implements the <code>Guard</code> interface for this class.
 * It calls the <code>checkPermission</code> method in
 * <code>SecurityManager</code> with this <code>Permission</code> as its
 * argument. This method returns silently if the security check succeeds
 * or throws an exception if it fails.
 *
 * @param obj the <code>Object</code> being guarded - ignored by this class
 * @throws SecurityException if the security check fails
 * @see GuardedObject
 * @see SecurityManager#checkPermission(Permission)
 */
public void checkGuard(Object obj)
{
    SecurityManager sm = System.getSecurityManager();
    if (sm != null)
        sm.checkPermission(this);
}

/**
 * This method tests whether this <code>Permission</code> implies that the
 * specified <code>Permission</code> is also granted.
 *
 * @param perm the <code>Permission</code> to test against
 * @return true if perm is implied by this
 */
public abstract boolean implies(Permission perm);

/**
 * Check to see if this object equals obj. Use <code>implies</code>, rather
 * than <code>equals</code>, when making access control decisions.
 *
 * @param obj the object to compare to
 * @return true if the object is equal
 */
public abstract boolean equals(Object obj);

/**
 * This method returns a hash code for this <code>Permission</code>. It
 * must satisfy the contract of <code>Object.hashCode</code>: it must be
 * the same for all objects that equals considers to be the same.
 *
 * @return a hash value
 */
public abstract int hashCode();

/**
 * Get the name of this <code>Permission</code>.
 */
** @return the name
*/
public final String getName()
{
    return name;
}

/**
 * This method returns the list of actions for this <code>Permission</code>
 * as a <code>String</code>. The string should be in canonical order, for
 * example, both <code>new FilePermission(f, "write,read")</code> and
 * <code>new FilePermission(f, "read,write")</code> have the action list
 * "read,write".
 *
 * @return the action list for this <code>Permission</code>
 */
public abstract String getActions();

/**
 * This method returns an empty <code>PermissionCollection</code> object
 * that can store permissions of this type, or <code>null</code> if no
 * such collection is defined. Subclasses must override this to provide
 * an appropriate collection when one is needed to accurately calculate
 * <code>implies</code>.
 *
 * @return a new <code>PermissionCollection</code>
 */
public PermissionCollection newPermissionCollection()
{
    return null;
}

/**
 * This method returns a <code>String</code> representation of this
 * <code>Permission</code> object. This is in the format:
 * <code>'(' + getClass().getName() + ' ' + getName() + ' ' + getActions
 * + ')'</code>.
 *
 * @return this object as a <code>String</code>
 */
public String toString()
{
    CPStringBuilder string = new CPStringBuilder();
    
    string = string.append('(');
    string = string.append(getClass().getName());
    string = string.append(' ');
    string = string.append(getName());
    string = string.append(' ');
    string = string.append(getActions());
    string = string.append(')');

    return string.toString();
}
if (!(getActions().equals("")))
{
    string = string.append(' ');  
    string = string.append(getActions());  
}

string = string.append(')');  
return string.toString();
}
} // class Permission

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Version 2.1, February 1999

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#define __java_security_Permission__

#pragma interface

#include <java/lang/Object.h>
extern "Java"
{
namespace java
{
namespace security
{
    class Permission;
    class PermissionCollection;
}
}

class java::security::Permission : public ::java::lang::Object
{

public:
    Permission(::java::lang::String *);
    virtual void checkGuard(::java::lang::Object *);
    virtual jboolean implies(::java::security::Permission *) = 0;
}
virtual jboolean equals(::java::lang::Object *) = 0;
virtual jint hashCode() = 0;
virtual ::java::lang::String * getName();
virtual ::java::lang::String * getActions() = 0;
virtual ::java::security::PermissionCollection * newPermissionCollection();
virtual ::java::lang::String * toString();
private:
static const jlong serialVersionUID = -5636570222231596674LL;
::java::lang::String * __attribute__((aligned(__alignof__(::java::lang::Object)))) name;
public:
static ::java::lang::Class class$;
};

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/**
 * This interface provides information about a permission that can be
 * granted. Note that this is not the same as the class
 * java.security.Permission.
 *
 * @version 0.0
 *
 * @author Aaron M. Renn (arenn@urbanophile.com)
 */
public interface Permission
{
    /**
     * This method tests whether or not a specified Permission
     * (passed as an Object) is the same as this permission.
     *
     * @param perm The permission to check for equality
     *
     * @return true if the specified permission is the same as this one, false otherwise
     */
    boolean equals (Object perm);
/**
 * This method returns this <code>Permission</code> as a <code>String</code>. 
 *
 * @return A <code>String</code> representing this permission. 
 */
String toString();
}

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Version 3, 29 June 2007

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#ifndef __java_security_acl_Permission__
#define __java_security_acl_Permission__

#pragma interface

#include <java/lang/Object.h>
extern "Java"
{
namespace java
{
namespace security
{
namespace acl
{
    class Permission;
}
}
}
}

class java::security::acl::Permission : public ::java::lang::Object
{

public:
    virtual jboolean equals(::java::lang::Object *) = 0;
    virtual ::java::lang::String * toString() = 0;
    static ::java::lang::Class class$;
} __attribute__ ((java_interface));

#endif // __java_security_acl_Permission__

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

(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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@item 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.

@item 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.

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

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

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

- 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.
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.

- 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.

- 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.

- 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:

  - 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.

  - Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining
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@end enumerate

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school, if any, to sign a `copyright disclaimer' for the library, if
necessary. Here is a sample; alter the names:

\begin{Verbatim}
Yoyodyne, Inc., hereby disclaims all copyright interest in the library
`Frob' (a library for tweaking knobs) written by James Random Hacker.
\end{Verbatim}

\begin{flushleft}
Ty Coon, President of Vice
\end{flushleft}

That's all there is to it!

// DO NOT EDIT THIS FILE - it is machine generated.-*- c++ .*-
class java::security::Permission : public ::java::lang::Object
{

public:
    Permission(::java::lang::String *);
    virtual void checkGuard(::java::lang::Object *);
    virtual jboolean implies(::java::security::Permission *) = 0;
    virtual jboolean equals(::java::lang::Object *) = 0;
    virtual jint hashCode() = 0;
    virtual ::java::lang::String * getName();
    virtual ::java::lang::String * getActions() = 0;
    virtual ::java::security::PermissionCollection * newPermissionCollection();
    virtual ::java::lang::String * toString();

private:
    static const jlong serialVersionUID = -563657022231596674LL;
    ::java::lang::String * __attribute__((aligned(__alignof__(::java::lang::Object)))) name;
public:
    static ::java::lang::Class class$;
};

#endif // __java_security_Permission__

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

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

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

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

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

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.
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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

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

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

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

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

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

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

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

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

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d) If distribution of the work is made by offering access to copy
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e) Verify that the user has already received a copy of these
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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object
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// DO NOT EDIT THIS FILE - it is machine generated -*- c++ -*- 

#ifndef __java_security_acl_Permission__
#define __java_security_acl_Permission__

#pragma interface

#include <java/lang/Object.h>
extern "Java"
{
namespace java
{
namespace security
{
namespace acl
{
class Permission;
}
}
}

class java::security::acl::Permission : public ::java::lang::Object
{

public:
virtual jboolean equals(::java::lang::Object *) = 0;
virtual ::java::lang::String * toString() = 0;
static ::java::lang::Class class$;
__attribute__ ((java_interface))

#endif // __java_security_acl_Permission__

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#define __gnu_javax_sound_AudioSecurityManager$Permission__

#pragma interface

#include <java/lang/Enum.h>
#include <gcj/array.h>

extern "Java"
{
namespace gnu
{
namespace javax
{
namespace sound
{
    class AudioSecurityManager$Permission;
}
}
}

class gnu::javax::sound::AudioSecurityManager$Permission : public ::java::lang::Enum
{
    AudioSecurityManager$Permission(::java::lang::String *, jint);
    public:
    static JArray< ::gnu::javax::sound::AudioSecurityManager$Permission * > * values();
    static ::gnu::javax::sound::AudioSecurityManager$Permission * valueOf(::java::lang::String *);
    static ::gnu::javax::sound::AudioSecurityManager$Permission * PLAY;
    static ::gnu::javax::sound::AudioSecurityManager$Permission * RECORD;
    static ::gnu::javax::sound::AudioSecurityManager$Permission * ALL;

    private:
    static JArray< ::gnu::javax::sound::AudioSecurityManager$Permission * > * ENUMSVALUES;
public:
static ::java::lang::Class class$;
};

#endif // __gnu_javax_sound_AudioSecurityManager$Permission__

// DO NOT EDIT THIS FILE - it is machine generated -*- c++ -*-

#ifndef __gnu_javax_sound_AudioSecurityManager$Permission__
#define __gnu_javax_sound_AudioSecurityManager$Permission__
#pragma interface

#include <java/lang/Enum.h>
#include <gcj/array.h>

extern "Java"
{
namespace gnu
{
namespace javax
{
namespace sound
{
class AudioSecurityManager$Permission;
}
}
}
}

class gnu::javax::sound::AudioSecurityManager$Permission : public ::java::lang::Enum
{

AudioSecurityManager$Permission(::java::lang::String *, jint);
public:
static JArray< ::gnu::javax::sound::AudioSecurityManager$Permission * > * values();
static ::gnu::javax::sound::AudioSecurityManager$Permission * valueOf(::java::lang::String *);
static ::gnu::javax::sound::AudioSecurityManager$Permission * PLAY;
static ::gnu::javax::sound::AudioSecurityManager$Permission * RECORD;
static ::gnu::javax::sound::AudioSecurityManager$Permission * ALL;

private:
static JArray< ::gnu::javax::sound::AudioSecurityManager$Permission * > * ENUMSVALUES;
public:
static ::java::lang::Class class$;
};

#endif // __gnu_javax_sound_AudioSecurityManager$Permission__
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/* Definitions for BSD assembler syntax for Intel 386
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   */

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/* Use the Sequent Symmetry assembler syntax. */

/* Define the syntax of pseudo-ops, labels and comments. */

/* Prefix for internally generated assembler labels. If we aren't using underscores, we are using prefix `.s' to identify labels that should be ignored, as in `i386/gas.h' --karl@cs.umb.edu */

#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size. */
#define ASM_BYTE "\t.byte\t"
#define ASM_SHORT "\t.word\t"
#define ASM_LONG "\t.long\t"
#define ASM_QUAD "\t.quad\t" /* Should not be used for 32bit compilation. */

/* This was suggested, but it shouldn't be right for DBX output. -- RMS */
#define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) */

/* Define the syntax of labels and symbol definitions/declarations. */

/* This is how to output an assembler line 
that says to advance the location counter by SIZE bytes. */

#define ASM_OUTPUT_SKIP(FILE,SIZE) 
fprintf (FILE, "\t.space " HOST_WIDE_INT_PRINT_UNSIGNED"\n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations. */

/* This says how to output an assembler line 
to define a global common symbol. */

#define ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED) 
(fputs (".comm ", (FILE)),
 assemble_name ((FILE), (NAME)),
 fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

/* This says how to output an assembler line 
to define a local common symbol. */

#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED) 
(fputs (".lcomm ", (FILE)),
 assemble_name ((FILE), (NAME)),
 fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

#ifdef HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT) 
(fputs (".lcomm ", (FILE)),
 assemble_name ((FILE), (NAME)),
 fprintf ((FILE), ",%u,%u\n", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif

/* This is how to output an assembler line 
that says to advance the location counter 
to a multiple of 2**LOG bytes. */

#define ASM_OUTPUT_ALIGN(FILE,LOG)\
if ((LOG)!=(0)) fprintf ((FILE), "\t.align %d\n", (LOG))

/* This is how to store into the string BUF
 the symbol_ref name of an internal numbered label where
 PREFIX is the class of label and NUM is the number within the class.
 This is suitable for output with `assemble_name'. */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER)
    sprintf ((BUF), "\%s\%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols. */
#define USER_LABEL_PREFIX "_"

/* Sequent has some changes in the format of DBX symbols. */
#define DBX_NO_XREFS 1

/* Don't split DBX symbols into continuations. */
#define DBX_CONTIN_LENGTH 0

16/gnu/java/sound/AudioSecurityManager$Permissionjava/lang/EnumPLAY1Lgnu/java/sound/AudioSecurityManager$Permission;RECORDALENUM$VALUES2[Lgnu/java/sound/AudioSecurityManager$Permission;<clinit>()VCode
<init>(Ljava/lang/String;I)V
LineNumberTableLocalVariableTable
thisvalues4Lgnu/java/sound/AudioSecurityManager$Permission;
$&%java/lang/System'(arraycopy*(Ljava/lang/Object;ILjava/lang/Object;II)V
valueOfE(Ljava/lang/String;)Lgnu/java/sound/AudioSecurityManager$Permission;
$.-5(Ljava/lang/Class;Ljava/lang/String;)Ljava/lang/Enum;
SourceFileAudioSecurityManager.java
SignatureCLjava/lang/Enum<Lgnu/java/sound/AudioSecurityManager$Permission;>;InnerClasses4$gnu/java/sound/AudioSecurityManager
Permission@1@@@
eAYYYYSYSYS
G'E
1*+E !'
6YK*Y<YM#,*)*
* */
*/.012
35@
16/gnu/java/sound/AudioSecurityManager$Permissionjava/lang/EnumPLAY1Lgnu/java/sound/AudioSecurityManager$Permission;RECORDALENUM$VALUES2[Lgnu/java/sound/AudioSecurityManager$Permission;<clinit>()VCode
<init>(Ljava/lang/String;I)V
LineNumberTableLocalVariableTable
thisvalues4Lgnu/java/sound/AudioSecurityManager$Permission;
$&%java/lang/System'(
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Version 3, 29 June 2007

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""
"" Standard preamble:
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.de Sp " Vertical space (when we can't use .PP)
.if t .sp .5v
.if n .sp
.. 
.de Vb " Begin verbatim text
.ft CW
.nf
.ne \$1
.. de Ve " End verbatim text
.ft R
.fi
..
A' Set up some character translations and predefined strings. A'(-- will
A' give an unbreakable dash, A'(PI will give pi, A'(L" will give a left
A' double quote, and A'(R" will give a right double quote. A'(C+ will
A' give a nicer C++. Capital omega is used to do unbreakable dashes and
A' therefore won't be available. A'(C" and A'(C' expand to '' in nroff,
A' nothing in troff, for use with C<<).
.tr \(*W-.
.ds C+ C'\-{.1v\h'-1p'|s-2+h'\-1p'|s0v'\-1v\h'-1p'
.ie n \{
  . ds -- \(*W-.
  . ds PI pi
  . if \(n(.H=4u)&(1m=24u) .ds -- \(*W\h'-12u\)\(*W\h'-12u\)\(*W\h'-12u\) diablo 10 pitch
  . if \(n(.H=4u)&(1m=20u) .ds -- \(*W\h'-12u\)\(*W\h'-8u\) diablo 12 pitch
  . ds L" "
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  . ds C" "
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'br\}
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  . ds -- \g(\em\}
  . ds PI \(p
  . ds L" '
  . ds R" '
  . ds C'
  . ds C'
'br\}
A'
A' Escape single quotes in literal strings from groff's Unicode transform.
.ie \(n( .ds Aq \(aq
.e1 .ds Aq '
.el
A' If the F register is >0, we'll generate index entries on stderr for
A' titles (.TH), headers (.SH), subsections (.SS), items (.Ip), and index
A' entries marked with X<> in POD. Of course, you'll have to process the
A' output yourself in some meaningful fashion.
A'
A' Avoid warning from groff about undefined register 'F'.
.de IX
..
.if !nF .nr F 0
.if nF>0 \{
  . de IX
  . tm Index:\$1\t\n%at"\$2"
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@enumerate a
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equivalent copying facilities, provided you maintain clear directions
next to the object code saying where to find the Corresponding Source.
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obligated to ensure that it is available for as long as needed to
satisfy these requirements.

Convey the object code using peer-to-peer transmission, provided you
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```
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```

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@c man end

1[java/security/Permissionjava/lang/Objectjava/security/Guardjava/io/SerializableserialVersionUID
ConstantValue?(WQ~nameLjava/lang/String;<init>(Ljava/lang/String;)VCode
(VLineNumberTableLocalVariableTablethisLjava/security/Permission;
checkGuard(Ljava/lang/Object;)V
! java/lang/System"#getSecurityManager(Ljava/lang/SecurityManager;
%&java/lang/SecurityManager()checkPermission(Ljava/security/Permission;)VobjLjava/lang/Object;smLjava/lang/
SecurityManager;implies(Ljava/security/Permission;)Zequals(Ljava/lang/Object;ZhashCode()IgetName()Ljava/lan
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>:?>@append"(C)Lgnu/java/lang/CPStringBuilder;
BCDgetClass()Ljava/lang/Class;
FHGjava/lang/Class45
:J?K3(Ljava/lang/String;)Lgnu/java/lang/CPStringBuilder;
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<table>
<thead>
<tr>
<th>Program</th>
<th>Directory</th>
</tr>
</thead>
<tbody>
<tr>
<td>mach_override</td>
<td>lib/interception/mach_override</td>
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/* gnu.classpath.tools.taglets.CopyrightTaglet
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*/

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package gnu.classpath.tools.taglets;

import java.util.Map;

import com.sun.tools.doclets.Taglet;

import com.sun.javadoc.Tag;

/**
 * A simple Taglet which handles Copyright information.
 */
public class CopyrightTaglet implements Taglet {

    private static final String NAME = "copyright";
    private static final String HEADER = "Copyright:"

    public String getName() {
        return NAME;
    }

    public boolean inField() {
        return true;
    }

    public String getCopyrightInfo(Tag tag) {
        return HEADER;
    }
}

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public boolean inConstructor() {
    return true;
}

public boolean inMethod() {
    return true;
}

public boolean inOverview() {
    return true;
}

public boolean inPackage() {
    return true;
}

public boolean inType() {
    return true;
}

public boolean isInlineTag() {
    return false;
}

public static void register(Map tagletMap) {
    CopyrightTaglet copyrightTaglet = new CopyrightTaglet();
    tagletMap.put(copyrightTaglet.getName(), copyrightTaglet);
}

public String toString(Tag tag) {
    return toString(new Tag[] { tag });
}

public String toString(Tag[] tags) {
    if (tags.length == 0) {
        return null;
    }
    else {
        boolean haveValidTag = false;
        for (int i = 0; i < tags.length && !haveValidTag; ++i) {
            if (tags[i].text().length() > 0) {
                haveValidTag = true;
            }
        }
        if (haveValidTag) {
            boolean haveValidTag = false;
            for (int i = 0; i < tags.length && !haveValidTag; ++i) {
                if (tags[i].text().length() > 0) {
                    haveValidTag = true;
                }
            }
            if (haveValidTag) {

        }
StringBuffer result = new StringBuffer();
result.append("<dl>");
for (int i = 0; i < tags.length; i++) {
    if (tags[i].text().length() > 0) {
        result.append("<dt><i>Copyright © " + tags[i].text() + "</i></dt>");
    }
}
result.append("</dl>");
return result.toString();
}
else {
    return null;
}
}
}

This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser. The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM. Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood. Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX
systems. Parag Patel (parag@netcom.com) supplied the A/UX code.
Jesper Peterson(jep@mitnime.mtia.oz.au), Michel Schinz, and
Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.
Thomas Funke (thf@zelator.in-berlin.de(?)) and
Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.
Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.
Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader
specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and
Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and
Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes.
Alistair G. Crooks(agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports.
Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.
Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to
a Motorola 88K processor running CX/UX (Harris NightHawk).
Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to
nonIBM development environments (a nontrivial task).
Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.
David Chase, then at Olivetti Research, suggested several improvements.
Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the
code to save and print call stacks for leak detection on a SPARC.
Jesse Hull and John Ellis supplied the C++ interface code.
Zhong Shao performed much of the experimentation that led to the
current typed allocation facility. (His dynamic type inference code hasn't
made it into the released version of the collector, yet.)

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HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.
The SPARC specific code was originally contributed by Mark Weiser. The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM. Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood. Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code. Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauachmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports. Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code. Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks(agt@uts.amdahl.com) supplied the NetBSD and 386BSD ports. Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port. Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to a Motorola 88K processor running CX/UX (Harris NightHawk). Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to nonIBM development environments (a nontrivial task). Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port. David Chase, then at Olivetti Research, suggested several improvements. Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the code to save and print call stacks for leak detection on a SPARC. Jesse Hull and John Ellis supplied the C++ interface code. Zhong Shao performed much of the experimentation that led to the current typed allocation facility. (His dynamic type inference code hasn't made it into the released version of the collector, yet.)
1.1154 ntp 1:4.2.8p10+dfsg-5ubuntu7.1

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

* * *

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* *
* M. Welsh, 6 July 1996
* *
* */

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

--- Delete License
The license can be deleted using the `deleteLicense()` method:

```java
include-tagged::{doc-tests}/LicensingDocumentationIT.java[delete-license-execute]
```

The returned `DeleteLicenseResponse` contains the `acknowledged` flag, which returns true if the request was processed by all nodes.

```java
include-tagged::{doc-tests}/LicensingDocumentationIT.java[delete-license-response]
```

<1> Check the acknowledge flag. It should be true if license deletion is acknowledged.

This request can be executed asynchronously:

```java
include-tagged::{doc-tests}/LicensingDocumentationIT.java[delete-license-execute-async]
```

<1> The `DeleteLicenseRequest` to execute and the `ActionListener` to use when the execution completes

The asynchronous method does not block and returns immediately. Once it is completed the `ActionListener` is called back using the `onResponse` method if the execution successfully completed or using the `onFailure` method if it failed.

A typical listener for `DeleteLicenseResponse` looks like:

```java
include-tagged::{doc-tests}/LicensingDocumentationIT.java[delete-license-execute-listener]
```

<1> Called when the execution is successfully completed. The response is provided as an argument
Called in case of failure. The raised exception is provided as an argument
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++++
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++++

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For more information, see
{stack-ov}/license-management.html[License management].

`xpack.license.self_generated.type`::
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+
--
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--
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The code for the t-digest was originally authored by Ted Dunning

A number of small but very helpful changes have been contributed by Adrien Grand (https://github.com/jpountz)

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`DELETE /_xpack/license`

This API enables you to delete licensing information.

When your license expires, {xpack} operates in a degraded mode. For more information, see {stack-ov}/license-expiration.html [License expiration].

You must have `manage` cluster privileges to use this API. For more information, see <<security-privileges>>.

The following example queries the info API:

```
DELETE _xpack/license
```

// CONSOLE
When the license is successfully deleted, the API returns the following response:

```javascript
{
  "acknowledged": true
}
```

May 22, 2015

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[[java-rest-high-put-license]]
=== Update License

[[java-rest-high-put-license-execution]]
==== Execution

The license can be added or updated using the `putLicense()` method:

["source","java",subs="attributes,callouts,macros"]
<1> Set the categories of information to retrieve. The default is to return no information which is useful for checking if {xpack} is installed but not much else.

<2> A JSON document containing the license information.

[[java-rest-high-put-license-response]]

==== Response

The returned `PutLicenseResponse` contains the `LicensesStatus`, `acknowledged` flag and possible acknowledge messages. The acknowledge messages are present if you previously had a license with more features than one you are trying to update and you didn't set the `acknowledge` flag to `true`. In this case you need to display the messages to the end user and if they agree, resubmit the license with the `acknowledge` flag set to `true`. Please note that the request will still return a 200 return code even if requires an acknowledgement. So, it is necessary to check the `acknowledged` flag.

[[java-rest-high-put-license-async]]

==== Asynchronous Execution

This request can be executed asynchronously:

A typical listener for `PutLicenseResponse` looks like:
<1> Called when the execution is successfully completed. The response is provided as an argument
<2> Called in case of failure. The raised exception is provided as an argument

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[[]]=== Get License

[[]]=== Execution

The license can be added or updated using the `getLicense()` method:

["source","java",subs="attributes,callouts,macros"]
--------------------------------------------------------------------------------
include-tagged:::{doc-tests}/LicensingDocumentationIT.java[get-license-execute]
--------------------------------------------------------------------------------

[[]]
The returned `GetLicenseResponse` contains the license in the JSON format.

```java
["source","java",subs="attributes,callouts,macros"]
```

The text of the license.

```java
[
[rest-high-get-license-async]
```

This request can be executed asynchronously:

```java
["source","java",subs="attributes,callouts,macros"]
```

The asynchronous method does not block and returns immediately. Once it is completed the `ActionListener` is called back using the `onResponse` method if the execution successfully completed or using the `onFailure` method if it failed.

A typical listener for `GetLicenseResponse` looks like:

```java
["source","java",subs="attributes,callouts,macros"]
```

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--- Get license API
++++
<titleabbrev>Get license</titleabbrev>

This API enables you to retrieve licensing information.
--- Request

`GET /_xpack/license`

--- Description

This API returns information about the type of license, when it was issued, and when it expires, for example.

For more information about the different types of licenses, see https://www.elastic.co/subscriptions.

--- Query Parameters

`local`::

(boolean) Specifies whether to retrieve local information. The default value is `false`, which means the information is retrieved from the master node.

--- Authorization

You must have `monitor` cluster privileges to use this API.
For more information, see <<security-privileges>>.

--- Examples

The following example provides information about a trial license:

```
[source,js]
-----------------------------------------------
GET _xpack/license
-----------------------------------------------
// CONSOLE

[source,js]
-----------------------------------------------
{
    "license": {
        "status": "active",
        "uid": "cbff45e7-c553-41f7-ae4f-9205eabd80xx",
        "type": "trial",
        "issue_date": "2018-10-20T22:05:12.332Z",
```
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---

teardown:
  - do:
    xpack.license.post:
      acknowledge: true
      body:
        "licenses": [{
          "uid": "3aa62ffe-36e1-4fad-bfcd-9df8301eb22",
          "type": "trial",
          "issue_date_in_millis": 1523456691721,
          "max_nodes": 5,
          "issued_to": "customer",
          "signature": "elasticsearch",
          "signature": "AAAABAAAAAA2WNcuec+DT0IrlnYZKA
AAAIao5/x6hrsGhlQqrJny4QgmnEC7gK0U4zQ6q5ZESWnmj4jAAAAAEn6fG9y2VxKBU2T3D5hhf56zk0QOD
C0dhr0y2d17ZSJMJMRqO7ZywPCWNS1aR33GhflHkTER0ysML0xMH/gXavhyRvMBndJj0UBKzuwpTawSINx
Ytcq8N8mSBlvJ7Ck+i+u1SpAILC2ZPF9fnkRlqwXqBltwYn7xnZgu9DKrOWru/jPTPob7jcePlSVTK6nWFn7/h
CFDQTUFZ0Qvd+nq7A1PacHGNXgFdBVMvAXCXgGwkRfT3cl09/vagdo+iNyhsPq9nm7gwsvBAKtAfRfi
H2EXYYbfOsbBrUmhYMGerLg1k3/CbS0pCWLOkA1xTMayosdzOjagU3auZX5Y=",
          "start_date_in_millis": 0
        }]

---

"Installing and getting license works":

## current license version
  - do:
    xpack.license.post:
      acknowledge: true
      body:
        "licenses": [{
          "uid": "894371dc-9t49-4997-93cb-8o2e3r7fa6a8",
          "type": "trial",
          "issue_date_in_millis": 1411948800000,
          "max_nodes": 1,
          "issued_to": "issuedTo",
          "issuer": "issuer",
          "signature": "AAAAGgAAAA0FWh0T9njltjQ2qammmAAABNm
C9ZN0hjZDBGynvYRXpCOW5Bb3FjZDAXOWpSbTvOMaVZwUzRxVki1PSmkxakxZdW51MhITHNoN1N2XMx
vRFk4d3JTTBx3R3Kf0pzU3loWJKZnQvSeFvafa0ppTHBkWkprZWSZq91NrnQKw1LSpLN0DaZCS095M
XRGf15iJpVycVtGhTTnFrcTE2dzhJzMzQfMrXq1N3fQeGwxb0U0MXZ0rDJS/ERIz734VzLSdBYZ
BEZjUrTVBxRdNSxNsWWJjZllaoOdDzVrmEuzUjiWktWNGM5TUhQV2pluOa4Q1J0umLM4XMxWnuLoP0EhQa
VB2azuhmUt9KvzhFtFo1Mq0RnJXSG53MWk2K055c28z5MrnVeFb2JSQkFLV2XYUmVHNDZ2R3o2VE1q
bVNQs1x0HN5bUeRZINWkZSmVnZjWetEaSU9wTTJENdVvT1NCYklaCtUyK2fWR9x0a6dldMbnMzSgT
C3FWOTFgZ3ZUCXmMvQktr2RZWmMFJnZzvLd2ZbDRWUzherUG5pdENGWFRrXNKNkE9PQAAAQBZhvoza0
ttrshhUIQb1sKTha95KVq6p8v9y1gsBpZXCk9kSrgoF1bXq6l1VjwFW5qmnYNiH3hRTo9EyaCBqaLk8
NXZQ6TtRkQsEnnBWlAYUKZeKXxISuBoOk4B4mzwCt/8AaMAkrZiEbtBbog+57cSaU93Gkdd+1jXQcrxP+jo
EUI7gnXWZvE6oRoLcVt1fYn909Cf8kKTrBPSjC6g9Z3ruxtThyee74XQ9PRavvHax73T4U0EdQZX/Pli9S
QfWKbBRD5YQ1POvyYjTayoltTnWLMxtEcAkKAJZLHpbE9HST7kZWjtrTS6J1dCRCeJc8a7VSj/78HXvOly"
        }]

- match: { license_status: "valid" }

- do:
  xpack.license.get: { }
a license object has 11 attributes
- length: { license: 11 }

bwc for licenses format
- do:
  - xpack.license.post:
    - acknowledge: true
    - body: |
      "licenses": [{"uid":"893361dc-9749-4997-93cb-802e3d7fa4a8","type":"gold","issue_date_in_millis":1411948800000,"expiry_date_in_millis":1914278399999, "max_nodes":1,"issued_to":"issued_to"}, "issuer":"issuer", "signature": "AAAAAwAAAA2T3vqdBbetKQbGxpAAAB mcC9ZN0hjZDBGYnVyRXPcOW5Bb3fjZDAxOWpSbTVoMVZwUrzKv1PSmXxaXzdW5f5MhlhTHNoN1N2M XMvRFk4d3JTZEz3R3RRZ0pzU3IobWJKZnQvSfva0ppTHBkWkprZWZSqi9iNmRQkw1SlpLN0lDaiZCSo9 5MXRGNI1ZlpYcYVTvTTnFrcET2dhjZmZrDFqN3JqGeGwb0u0MXZ0dDHJSeRiZTVOHnSDByWnpoZEpH ZHEBEZJurTVh8RENNSNxSWJlZlZDaDzVnEzUtNWyktNWG5mTUhQV2plu04Q1JOuml4MXNu0pSOe hQaVB2azhmUk9QVzhFeTFOm1Q0RJnJSXG53MWh2K055c28zSsNwRvFh2JSQkFLVXUUmVHDZ2R3o2V E1IqBNQ52S10H5bUEZlZINlWkZSvMZWetaU9wTTJENDvTvTlNCYlacUYyK2FwRW9xaO6ldMbmMzG TQc3F3WTOtgZ3ZucXMvQktp2RUz0MFZnZzklLd2bDHRWzuh6UG5pdENGWFRerXNKnkE9PQAAAB7pG FYgawflm9zZsTOlVcLHjy1tv2vuzSfCQWkDXXhrwy4rWrAH2uK/+PEiQ7aEpW5erLsyyJK5AL6OEJDAp7r+mj OPUlt0+4+J4aMn7yhhZbOPHXWB6LTE3+ppOZPyOmwsDkZSRUeGtciR2R6z+mdnGrhyOMy8008KVW wUdhU/DFw1lMK7ePo6tu73Nn49yD9gt9fxA0t4gEBpbnTDBDVQ5lHnY8asaOM5e99DRayw1kamYWrara 8PfGX+2YjhtUeQhmCPdIx9wEJC7/knPss5bI3Z0xQRF3xyHjxcXNNHEIblqLrMCa3LpXs7l1+KPYMaZ2Yl/am4 P"
    ]

- match: { license_status: "valid" }
- do:
  - xpack.license.get: {}
- match: { license_status: "valid" }

- do:
  xpack.license.get: {}

- length: { license: 11 }

## multiple licenses version: 1.x

- do:
  xpack.license.post:
    acknowledge: true
    body: |
    
    ```json

    }
    ```

- match: { license_status: "valid" }
- do:
  xpack.license.get: {}

- length: { license: 11 }
- match: { license.uid: "893361dc-9749-4997-93cb-802e3dofh7aa" }

---

"Should throw 404 after license deletion":
- do:
  xpack.license.delete: {}

- match: { acknowledged: true }

- do:
  xpack.license.get: {}
  catch: missing

---

"Should install a feature type license":

```
# VERSION_NO_FEATURE_TYPE license version
- do:
  xpack.license.post:
    acknowledge: true
    body: |
    Issue date: "1970-12-31T00:00:00.000Z"}

- match: { license_status: "valid" }

- do:
  xpack.license.get: {}

- length: { license: 11 }

---

"Cannot start basic":

---
- do:
  catch: bad_request
  xpack.license.post:
    acknowledge: true
  body: |
    "license": 
      "uid": "893361dc-9749-4997-93cb-802e3d7fa4a8",
      "type": "basic",
      "issue_date_in_millis": 1411948800000,
      "expiry_date_in_millis": 1914278399999,
      "max_nodes": 1,
      "issued_to": "issuedTo",
      "issuer": "issuer",
      "signature": "AAAAAgAAAA0lKPZ0a7aZquUltho/AAABmC9ZN0hjZDBGYnVyRXpCOW5Bb3FjZDAxOWp5bTv0MVZwUzRxVk1PSmkxakxZdW51MhlTHNoN1N2XMvRFk4d3JTZE3x3R3RRZ0puz3lobWJKZnQvSEFva0ppTHBkwkpZwWZSQ9iNnRQKnw1SlpLN0dNZC095MXRGN1ZJaZpYcVVTnFrcTE2dzhJZmZrdFQrN3JQeGwxb0U0MXZ0dDHYSh0yUdSByWnpoZEpZbZH
BEZjUtTVBxRENNSXNsWWJjZJlaOHzdVmEzUjNiWktNWGM5TUhhQV2pHauo4Q1JOUm14MXNuLo4P0EhQa
VB2azhmUk99QVzhFeTFoMI0QRnJXSGS53MWk2K055c28zSnrnVkJb2JSQkFLV2VXUmVHNDZ2R3o2VE1q
bVNOg21xOHN5bUErZINiWkZSVmZIWEtaSU9wWTJfENDVvT1NCYklacUYYk2FwRWx0a66dMbbMzMzSGQ
c3FWWOTFzhZ3UcXMvQgk2RUWzMFJnZJzvL2d2bDRWUzh6UG5pdENGWFReXNKnkE9PQAAAAAALuQ44
S3tG6zocZevYJ6ZciXORDrYQ+wdfLcsey0XdujTslAOj+k+5vNgo6wau7USwi0164bHk5lppvKy7RRCbb5bj/j2
ubu2qMjqqopp9BQy7DtvQyFqmnG6sUJmJ1a5Avvm9r41YPSPceri3bbK2e16jK6N8ibCvntyY/XkYGd
BWT
SJePDbg6Erbbyodrz37x1StLbPWcNAkkmweyHjDInVnbeZZ07A3NmubXZjW77tf8/YwQyE00PqMcl7fVPyh3ik
KpAeHf8aanJbqkybqZuER3EWJ7ZvLVb1dNdNg8aXr7n7YrQcYwWgpQyPfVrD7eY4j5muAEOler" }

- match: { error.root_cause.0.reason: 'Installing basic licenses is no longer allowed. Use the POST 
/_xpack/license/start_basic API to install a basic license that does not expire.' }

---

"Should fail gracefully when body content is not provided":

- do:
  catch: bad_request
  xpack.license.post:
    acknowledge: true
  - match: { error.root_cause.0.reason: 'The license must be provided in the request body' }

---

"Current license is trial means not eligible to start trial":

- do:
  xpack.license.getTrialStatus: {}
  - eligible_to_start_trial: false

- do:
  xpack.license.postStartBasic:
    acknowledge: true
  - match: { basicWasStarted: true }

- do:
  xpack.license.getTrialStatus: { }
- match: { eligible_to_start_trial: false }

- do:
  catch: forbidden
  xpack.license.post_start_trial:
    acknowledge: true

- match: { trial_was_started: false }
- match: { error_message: "Operation failed: Trial was already activated." }

---

"Trial license cannot be basic":
- do:
  catch: bad_request
  xpack.license.post_start_trial:
    type: "basic"
    acknowledge: true

---

"Can start basic license if do not already have basic":
- do:
  xpack.license.get_basic_status: {} 

- match: { eligible_to_start_basic: true }

- do:
  xpack.license.post_start_basic:
    acknowledge: true

- match: { basic_was_started: true }
- match: { acknowledged: true }

- do:
  xpack.license.get_basic_status: {} 

- match: { eligible_to_start_basic: false }
- do:
  catch: forbidden
  xpack.license.post_start_basic: {} 

- match: { basic_was_started: false }
- match: { acknowledged: true }
- match: { error_message: "Operation failed: Current license is basic." }

---

"Must acknowledge to start basic":
- do:
  xpack.license.post_start_basic: {}
## Overview ##

[YAML](http://yaml.org) is a data serialization format designed for human readability and interaction with scripting languages.

SnakeYAML is a YAML processor for the Java Virtual Machine.

## SnakeYAML features ##

* a **complete** [YAML 1.1 processor](http://yaml.org/spec/1.1/current.html). In particular, SnakeYAML can parse all examples from the specification.
* Unicode support including UTF-8/UTF-16 input/output.
* high-level API for serializing and deserializing native Java objects.
* support for all types from the [YAML types repository](http://yaml.org/type/index.html).
* relatively sensible error messages.

## Info ##

* [Changes](https://bitbucket.org/asomov/snakeyaml/wiki/Changes)
* [Documentation](https://bitbucket.org/asomov/snakeyaml/wiki/Documentation)

## Contribute ##

* Mercurial DVCS is used to dance with the [source code](https://bitbucket.org/asomov/snakeyaml/src).
* If you find a bug in SnakeYAML, please [file a bug report](https://bitbucket.org/asomov/snakeyaml/issues?status=new&status=open).
* You may discuss SnakeYAML at [the mailing list](http://groups.google.com/group/snakeyaml-core).

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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.salaoranta@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.

## Licensing

Jackson core and extension components may licensed under different licenses. To find the details that apply to this artifact see the accompanying LICENSE file. For more information, including possible other licensing options, contact FasterXML.com (http://fasterxml.com).
## Credits

A list of contributors may be found from CREDITS file, which is included in some artifacts (usually source distributions); but is always available from the source code management (SCM) system project uses.

---

### Update license API

This API enables you to update your license.

---

#### Request

`PUT _xpack/license`

#### Description

You can update your license at runtime without shutting down your nodes. License updates take effect immediately. If the license you are installing does not support all of the features that were available with your previous license, however, you are notified in the response. You must then re-submit the API request with the `acknowledge` parameter set to `true`.

For more information about the different types of licenses, see https://www.elastic.co/subscriptions.

#### Query Parameters

`acknowledge`:

(boolean) Specifies whether you acknowledge the license changes. The default value is `false`.

#### Request Body

`licenses`:

(array) A sequence of one or more JSON documents containing the license information.
== Authorization

If security-features are enabled, you need `manage` cluster privileges to install the license.

If security-features are enabled and you are installing a gold or platinum license, you must enable TLS on the transport networking layer before you install the license. See <<configuring-tls>>.

== Examples

The following example updates to a basic license:

[source.js]
-------------------------------
POST _xpack/license
{
  "licenses": [
    {
      "uid": "893361dc-9749-4997-93cb-802e3d7fa4xx",
      "type": "basic",
      "issue_date_in_millis": 1411948800000,
      "expiry_date_in_millis": 1914278399999,
      "max_nodes": 1,
      "issued_to": "issuedTo",
      "issuer": "issuer",
      "signature": "xx"
    }
  ]
}
-------------------------------

// CONSOLE
// TEST[skip:license testing issues]

NOTE: These values are invalid; you must substitute the appropriate content from your license file.

You can alternatively use a `curl` command, for example:

[source.js]
[source.shell]
-----------------------------------------------
curl -XPUT -u <user> 'http://<host>:<port>/_xpack/license' -H "Content-Type: application/json" -d @license.json
-----------------------------------------------

// NOTCONSOLE
On Windows machine, use the following command:

[source,shell]
------------------------------------------------------------
gc .\license.json | Invoke-WebRequest -uri http://<host>:<port>/_xpack/license -Credential elastic -Method Put -ContentType "application/json"
------------------------------------------------------------

In these examples,

* `<user>` is a user ID with the appropriate authority.
* `<host>` is the hostname of the {es} node (`localhost` if executing locally)
* `<port>` is the http port (defaults to `9200`)
* `license.json` is the license JSON file

NOTE: If your {es} node has SSL enabled on the HTTP interface, you must start your URL with `https://`

If you previously had a license with more features than the basic license, you receive the following response:

[source,js]
------------------------------------------------------------
{
  "acknowledged": false,
  "license_status": "valid",
  "acknowledge": {
    "message": "This license update requires acknowledgement. To acknowledge the license, please read the following messages and update the license again, this time with the "acknowledge=true" parameter:"",
    "watcher": [
      "Watcher will be disabled"
    ],
    "logstash": [
      "Logstash will no longer poll for centrally-managed pipelines"
    ],
    "security": [
      "The following X-Pack security functionality will be disabled: ..."]
  }
}
------------------------------------------------------------

// NOTCONSOLE

To complete the update, you must re-submit the API request and set the `acknowledge` parameter to `true`. For example:

[source,js]
------------------------------------------------------------
POST _xpack/license?acknowledge=true
{
  "licenses": [
    {
      "uid":"893361dc-9749-4997-93cb-802e3d7fa4xx",
      "type":"basic",
      "issue_date_in_millis":1411948800000,
      "expiry_date_in_millis":1914278399999,
      "max_nodes":1,
      "issued_to":"issuedTo",
      "issuer":"issuer",
      "signature":"xx"
    }
  ]
}

// CONSOLE
// TEST[skip:license testing issues]

Alternatively:

[source,sh]
curl -XPUT -u elastic 'http://<host>:<port>/_xpack/license?acknowledge=true' -H "Content-Type: application/json" -d @license.json

// NOTCONSOLE

For more information about the features that are disabled when you downgrade your license, see {stack-ov}/license-expiration.html[License expiration].

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analysis/common/src/org/apache/lucene/analysis/en
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analysis/common/src/resources/org/apache/lucene/analysis/ar/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/fa/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/bn/stopwords.txt

The German,Spanish,Finnish,French,Hungarian,Italian,Portuguese,Russian and Swedish light stemmers
(common) are based on BSD-licensed reference implementations created by Jacques Savoy and
Ljiljana Dolamic. These files reside in:
analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/es/SpanishMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianMinimalStemmer.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/pt/PortugueseMinimalStemmer.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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Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration

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// ------------------------------------------------------------------
// Transitive dependencies of this project determined from the
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// ------------------------------------------------------------------

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From: 'an unknown organization'
   - geronimo-jms_1.1_spec  org.apache.geronimo.specs:geronimo-jms_1.1_spec:jar:1.0

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1.1166 num2fraction 1.2.2

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CAST128
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AES in libhcrypto

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

(GEnie : OUTER; CIS : [71755,204]) Graven Imagery, 1992.

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1.1185 iputils 20180629 2.el8

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package github

import (  
"context"  
"fmt"  
"net/http"  
"reflect"  
"testing"  
)

func TestLicensesService_List(t *testing.T) {  
setup()  
defer teardown()  

mux.HandleFunc("/licenses", func(w http.ResponseWriter, r *http.Request) {  
testMethod(t, r, "GET")  
testHeader(t, r, "Accept", mediaTypeLicensesPreview)  
fmt.Fprintf(w,  
`[
"key":"mit","name":"MIT","spdx_id":"MIT","url":"https://api.github.com/licenses/mit","featured":true]
`)  
})}
licenses, _, err := client.Licenses.List(context.Background())
if err != nil {
    t.Errorf("Licenses.List returned error: %v", err)
}

want := []*License{ {
    Key: String("mit"),
    Name: String("MIT"),
    SPDXID: String("MIT"),
    URL: String("https://api.github.com/licenses/mit"),
    Featured: Bool(true),
} }
if !reflect.DeepEqual(licenses, want) {
    t.Errorf("Licenses.List returned %+v, want %+v", licenses, want)
}

func TestLicensesService_Get(t *testing.T) {
    setup()
    defer teardown()

    mux.HandleFunc("/licenses/mit", func(w http.ResponseWriter, r *http.Request) {
        testMethod(t, r, "GET")
        testHeader(t, r, "Accept", mediaTypeLicensesPreview)
        fmt.Fprint(w, `{"key":"mit","name":"MIT"}`)
    })

    license, _, err := client.Licenses.Get(context.Background(), "mit")
    if err != nil {
        t.Errorf("Licenses.Get returned error: %v", err)
    }

    want := &License{ Key: String("mit"), Name: String("MIT") }
    if !reflect.DeepEqual(license, want) {
        t.Errorf("Licenses.Get returned %+v, want %+v", license, want)
    }
}

func TestLicensesService_Get_invalidTemplate(t *testing.T) {
    _, _, err := client.Licenses.Get(context.Background(), "%")
    testURLParseError(t, err)
}

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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://developer.github.com/v3/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:"conditions,omitempty"`
Limitations  *([]string)  `json:"limitations,omitempty"`
Body  *string  `json:"body,omitempty"

func (l License) String() string {
    return Stringify(l)
}

// List popular open source licenses.
// GitHub API docs: https://developer.github.com/v3/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
    }
    // TODO: remove custom Accept header when this API fully launches
    req.Header.Set("Accept", mediaTypeLicensesPreview)

    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://developer.github.com/v3/licenses/#get-an-individual-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
    }

    // TODO: remove custom Accept header when this API fully launches
req.Header.Set("Accept", mediaTypeLicensesPreview)

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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1.1192 p11-kit 0.23.5-3.el7

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Gocheck - A rich testing framework for Go

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mgo - MongoDB driver for Go

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BSON library for Go

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package spdx

// from https://spdx.org/licenses/
var osi = []string{
    "AFL-1.1",
    "AFL-1.2",
    "AFL-2.0",
    "AFL-2.1",
    "AFL-3.0",
    "APL-1.0",
    "Apache-1.1",
    "Apache-2.0",
    "APSL-1.0",
    "APSL-1.1",
    "APSL-1.2",
    "APSL-2.0",
    "Artistic-1.0",
    "Artistic-1.0-Perl",
    "Artistic-1.0-cl8",
    "Artistic-2.0",
    "AAL",
    "BSL-1.0",
    "BSD-2-Clause",
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    "0BSD",
    "CECILL-2.1",
    "CNRI-Python",
    "CDDL-1.0",
    "CPAL-1.0",
    "CPL-1.0",
    "CATOSL-1.1",
    "CUA-OPL-1.0",
    "EPL-1.0",
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    "ECL-2.0",}
"EFL-1.0",
"EFL-2.0",
"Entessa",
"EUDatagrid",
"EUPL-1.1",
"Fair",
"Frameworks-1.0",
"AGPL-3.0",
"GPL-2.0",
"GPL-3.0",
"LGPL-2.1",
"LGPL-3.0",
"LGPL-2.0",
"HPND",
"IPL-1.0",
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"ISC",
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"LiLiQ-P-1.1",
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"MPL-1.0",
"MPL-1.1",
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"Multics",
"NASA-1.3",
"Naumen",
"NGPL",
"Nokia",
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// FIXME: non SPDX licenses that the snapstore uses
"Proprietary", 
1.1198 lvm2 2.02.176 4.1ubuntu3.18.04.1

1.1198.1 Available under license:

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Version 2.1, February 1999

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var licenseExceptions = []string{
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1.1202 azure-mgmt-apimanagement 0.1.0

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   man3/getpt.3 man4/ptmx.4 man4/pts.4
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   man3/ptsname_r.3 man3/stderr.3 man3/stdin.3 man3/stdout.3
   man3/unistd.3 man5/tzfile.5 man7/vdso.7 man8/ld-linux.8
   man8/ld-linux.so.8 man8/ld.so.8 man8/tzselect.8 man8/zdump.8
   man8/zic.8
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Files: man1/intro.1 man1/locale.1 man1/pldd.1 man1/sprof.1 man2/_Exit.2
   man2/_exit.2 man2/_llseek.2 man2/_newselect.2 man2/_sysctl.2
   man2/access.2 man2/alarm.2 man2/alloc_pages.2 man2/arc_prctl.2
   man2/arm_sync_file_range.2 man2/bpf.2 man2/chdir.2 man2/chmod.2 man2/chown.2 man2/chown32.2
   man2/chroot.2 man2/clock_getres.2 man2/clock_gettime.2
   man2/clock_nanosleep.2 man2/clock_settime.2 man2/close.2
   man2/copy_file_range.2 man2/creat.2 man2/delete_module.2 man2/dup.2
   man2/fchdir.2 man2/fchown.2 man2/fchownat.2 man2/fchown32.2 man2/fchownat.2 man2/fcntl.2 man2/fcntl64.2
man2/fdatasync.2 man2/finit_module.2 man2/flock.2 man2/fork.2
man2/free_hugepages.2 man2/fstat.2 man2/fstat64.2 man2/fstatat.2
man2/fstatat64.2 man2/fstatfs.2 man2/fstatfs64.2 man2/fstatvfs.2
man2/fsync.2 man2/futimesat.2 man2/get_mempolicy.2
man2/get_robust_list.2 man2/getcontext.2 man2/getcpu.2 man2/getcwd.2
man2/getdents.2 man2/getdents64.2 man2/getdomainname.2
man2/getdtablesize.2 man2/getegid.2 man2/getegid32.2 man2/geteuid.2
man2/getegid32.2 man2/getgid.2 man2/getgid32.2 man2/getgroups.2
man2/getgroups32.2 man2/gethostid.2 man2/gethostname.2
man2/getpagesize.2 man2/getpid.2 man2/getppid.2 man2/getrandom.2
man2/getresgid.2 man2/getresgid32.2 man2/getresuid.2
man2/getresuid32.2 man2/getrlimit.2 man2/getrusage.2 man2/gettimeofday.2
man2/getuid.2 man2/getuid32.2 man2/getunconf.2
man2/idle.2 man2/init_module.2 man2/intro.2 man2/ioct1 Fat.2
man2/ioct1_iflags.2 man2/ioct1_ns.2 man2/ioct1_userfaultfd.2
man2/iopl.2 man2/kcmp.2 man2/kexec_file_load.2 man2/kexec_load.2
man2/keyctl.2 man2/kill.2 man2/lchown.2 man2/lchown32.2 man2/link.2
man2/linkat.2 man2/lseek.2 man2/lookup_dcooki.2 man2/lstat.2
man2/lstat64.2 man2/minmax.2 man2/mbind.2 man2/membarrier.2
man2/migrate_pages.2 man2/mincore.2 man2/mmap.2 man2/mmap2.2
man2/mount.2 man2/move_pages.2 man2/mprotect.2 man2/mq_getsetattr.2
man2/mq_notify.2 man2/mq_open.2 man2/mq_timedreceive.2
man2/mq_timedsend.2 man2/mq_unlink.2 man2/msgctl.2 man2/msgget.2
man2/msgop.2 man2/msgrcv.2 man2/msgsnd.2 man2/msgsystem.2
man2/munmap.2 man2/name_to_handle_at.2 man2/newfstatat.2 man2/nice.2
man2/oldfstat.2 man2/oldfstat.2 man2/oldoldname.2 man2/oldstat.2
man2/oldoldname.2 man2/open.2 man2/open_by_handle.2 man2/openat.2
man2/pause.2 man2/perfmonctl.2 man2/personality.2 man2/pipe.2
man2/pipe.2 man2/pkey_alloc.2 man2/pkey_free.2 man2/pkey_mprotect.2
man2/poll.2 man2/posix_fadvise.2 man2/ppoll.2 man2/prctl.2
man2/pread.2 man2/pread64.2 man2/preadv.2 man2/preadv2.2
man2/prlimit.2 man2/prlimit64.2 man2/process_vm_readv.2
man2/process_vm_writev.2 man2/pselect.2 man2/pselect64.2 man2/pwrite.2
man2/pwrite64.2 man2/pwritev.2 man2/pwritev2.2 man2/quotacl.2
man2/read.2 man2/readahead.2 man2/readdir.2 man2/readv.2
man2/reboot.2 man2/recovermsg.2 man2/remap_file_pages.2 man2/rename.2
man2/renameat.2 man2/renameat2.2 man2/restart_syscall.2 man2/rmdir.2
man2/rt_sigaction.2 man2/rt_sigpending.2 man2/rt_sigsigmask.2
man2/rt_sigsigqueueinfo.2 man2/rt_sigtinfo.2 man2/rt_sigtimem.2
man2/rt_sigtimedwait.2 man2/rt_tgsigqueueinfo.2 man2/sched_getattr.2
man2/sched_getscheduler.2 man2/sched_setattr.2
man2/sched_setscheduler.2 man2/seccomp.2 man2/select.2
man2/select_tut.2 man2/semctl.2 man2/semget.2 man2/semop.2
man2/semtimedop.2 man2/sendfile.2 man2/sendfile64.2 man2/sendmsg.2
man2/set_mempolicy.2 man2/set_robust_list.2 man2/set_tid_address.2
man2/setcontext.2 man2/setdomainname.2 man2/setegid.2 man2/seteuid.2
man2/setfsgid.2 man2/setfsuid.2 man2/setfsuid32.2 man2/setgid.2 man2/setgid32.2 man2/setgroups.2 man2/setgroups32.2
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import re
import sys
import textwrap
from pathlib import Path

# The standard short names in Debian are defined here:
# https://www.debian.org/doc/packaging-manuals/copyright-format/1.0/

license_information = [
    {
        'shortname': 'BSD-3-clause',
        'filename': 'BSD-3-clause-UCB',
        'upstream_names': ['BSD_3_CLAUSE_UCB'],
    },
    {
        'shortname': 'BSD-4-clause',
        'filename': 'BSD-4-clause-UCB',
        'upstream_names': ['BSD_4_CLAUSE_UCB', 'BSD_ONELINE_CDROM'],
    },]
},
{
'shortname': 'Expat',
'filename': 'Expat',
'upstream_names': ['PERMISSIVE_MISC', 'MIT'],
},
{
# This shortname is not defined by the standard.
'shortname': 'freely-redistributable',
'filename': 'freely-redistributable',
'upstream_names': ['FREELY_REDISTRIBUTABLE'],
},
{
'shortname': 'GPL-2',
'filename': 'GPL-2',
'upstream_names': ['GPLv2_MISC', 'GPLv2_ONELINE'],
},
{
'shortname': 'GPL-2+',
'filename': 'GPL-2+',
'upstream_names': ['GPL_NOVERSION_ONELINE', 'GPLv2+',
    'GPLv2+_DOC_FULL', 'GPLv2+_DOC_MISC',
    'GPLv2+_DOC_ONEPARA', 'GPLv2+_SW_3_PARA',
    'GPLv2+_SW_ONEPARA'],
},
{
# This shortname is not defined by the standard.
'shortname': 'henry-spencer-regex',
'filename': 'henry-spencer-regex',
'upstream_names': ['MISC'],
},
{
# This shortname is not defined by the standard.
'shortname': 'LDPv1',
'filename': 'LDPv1',
'upstream_names': ['LDPv1'],
},
{
'shortname': 'public-domain',
'filename': 'public-domain',
'upstream_names': ['PUBLIC_DOMAIN'],
},
{
# This shortname is not defined by the standard.
'shortname': 'verbatim',
'filename': 'verbatim',
'upstream_names': ['VERBATIM', 'VERBATIM_ONE_PARA',
    'VERBATIM_TWO_PARA', 'VERBATIM_PROF'],
}
def get_license_shortname(name):
    """Gets the Debian shortname for the name supplied by upstream.
    Includes a check that upstream's names are only assigned
to one shortname.
    """
    shortname = 
    already_found = False
    for info in license_information:
        if name in info['upstream_names']:
            if not already_found:
                shortname = info['shortname']
                already_found = True
            else:
                sys.exit("Fatal error: Upstream license name defined multiple times: " + name)
    return shortname

def add_manpage_to_shortname(manpage, copyright_holders, licenses):
    # Ensure a string for the filename
    filename = str(manpage)
    # Strip the leading "./"
    filename = filename[3:len(filename)]
    # Common case: only one license for the manpage, so
    # the shortname is just e.g. "GPL-2+"
    shortname = " and " .join(sorted(licenses))
    if shortname not in licenses_with_manpages:
        licenses_with_manpages[shortname] = { 'files': [filename], 'copyright': copyright_holders }
    else:
        licenses_with_manpages[shortname][ 'files' ].append(filename)
    # Do not add same lines twice
    existing_copyright_holders = licenses_with_manpages[shortname][ 'copyright' ]
    joined_copyright_holders = list(set( existing_copyright_holders + copyright_holders ))
    licenses_with_manpages[shortname][ 'copyright' ] = joined_copyright_holders

def get_copyright_stanza(shortname, file_info):
    stanza = ""
    # Collect files and symlinks into a common list
    all_files = file_info[ 'files' ]
    for file in file_info[ 'files' ]:
        if file in symlinks:
            all_files = all_files + symlinks[file]
    # Join the files into a whitespace separated list,
# at most 76 characters long
files = " ".join(sorted(all_files))
# The wrap is 69 + 7 (length of "Files: ") = 76
files = textwrap.wrap(files, width=69, break_long_words=False, break_on_hyphens=False)
files = "\n ".join(files)
# Now format the copyright holders
copyright = "\n ".join(sorted(file_info['copyright']))
# An empty field is an error, so ensure a value
if len(copyright) == 0:
copyright = "(could not be detected automatically)"
# Finally, create the stanza
stanza += "Files: " + files
stanza += "\nCopyright: " + copyright
stanza += "\nLicense: " + shortname + "\n\n"
return stanza

def get_license_text(shortname):
    """Gets the text for the Debian license shortname."""
    text = ""
    for info in license_information:
        if info['shortname'] == shortname:
            text += "License: " + shortname + "\n"
    with open("licenses/" + info['filename']) as licensefile:
        for line in licensefile:
            text += " " + line
    return text

p = Path("..")
for manpage in p.glob("man?/*/"):
    with manpage.open() as file:
        licenses = []
copyright_holders = []
manpage_is_symlink = False
for line in file:
    # Do not create copyright stanzas for symlink files
    # but add them to a symlink list
    symlink = re.search(r"^\s(.*)", line)
    if symlink:
        manpage_is_symlink = True
        # Ensure a string for the filename
        linkname = str(manpage)
        # Strip the leading "./"
        linkname = linkname[3:len(linkname)]
        filename = symlink.group(1)
        if filename in symlinks:
            symlinks[filename].append(linkname)
        else:
            symlinks[filename] = [linkname]
break
# Only parse the header, so stop after seeing ".TH"
if re.search(r"^\.*\TH", line):
    break
# Extract all copyright holders
copyright = re.search(r".*\ Copyright (.*)", line)
if copyright:
copyright_holders.append(copyright.group(1))
# Match the beginning of the license
license_start = re.search(r".*\ LICENSE_START\(.*/\)", line)
if license_start:
    license_name = license_start.group(1)
    license_short_name = get_license_shortname(license_name)
    if not license_short_name:
sys.exit("Fatal error: Upstream license name not known: " + license_name)
    licenses.append(license_short_name)
if not manpage_is_symlink:
    add_manpage_to_shortname(manpage, copyright_holders, licenses)

# Flatten the symlinks by detecting and removing
# a symlink which points to another symlink.
for link_to_test in symlinks:
    # Now cycle through all symlink entries
    for link in symlinks:
        if link_to_test in symlinks[link]:
symlinks[link] = symlinks[link] + symlinks[link_to_test]

# Make sorting of licenses deterministic
stanzas = ""
license_texts = []
for shortname in sorted(licenses_with_manpages):
stanzas += get_copyright_stanza(shortname, licenses_with_manpages[shortname])
text = get_license_text(shortname)
if text:
    license_texts.append(text)

# Read in the first lines of copyright, without
# the automatically generated parts. Stop after
# the third occurrence of "License".
manual_lines = ""
license_line_count = 0
with open("copyright") as copyright_file:
    for line in copyright_file:
        manual_lines += line
        if re.search(r"^License:", line):
            license_line_count += 1
        if license_line_count == 3:
            # Add a final newline for separation
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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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If you are new to contributing to Django, the documentation tutorial will give you an introduction to the tools and the workflow.

First steps
============

Start with these easy tasks to discover Django's development process.

**Triage tickets**

If an `unreviewed ticket` reports a bug, try and reproduce it. If you can reproduce it and it seems valid, make a note that you confirmed the bug and accept the ticket. Make sure the ticket is filed under the correct component area. Consider writing a patch that adds a test for the bug's behavior, even if you don't fix the bug itself. See more at :ref:`how-can-i-help-with-triaging`

**Look for tickets that are accepted and review patches to build familiarity with the codebase and the process**

Mark the appropriate flags if a patch needs docs or tests. Look through the changes a patch makes, and keep an eye out for syntax that is incompatible with older but still supported versions of Python. Run the tests and make sure they pass. Where possible and relevant, try them out on a database other than SQLite. Leave comments and feedback!

**Keep old patches up to date**

Oftentimes the codebase will change between a patch being submitted and the time it gets reviewed. Make sure it still applies cleanly and functions as expected. Simply updating a patch is both useful and important! See more on :doc:`writing-code/submitting-patches`.

**Write some documentation**

Django's documentation is great but it can always be improved. Did you find a typo? Do you think that something should be clarified? Go ahead and suggest a documentation patch! See also the guide on :doc:`writing-documentation`.

.. note::

   The `reports page` contains links to many useful Trac queries, including several that are useful for triaging tickets and reviewing patches as suggested above.

   .. reports page: https://code.djangoproject.com/wiki/Reports
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.. _unreviewed ticket: https://code.djangoproject.com/query?status=!closed&stage=Unreviewed

Guidelines
==========

As a newcomer on a large project, it's easy to experience frustration. Here's some advice to make your work on Django more useful and rewarding.

* **Pick a subject area that you care about, that you are familiar with, or that you want to learn about**

You don't already have to be an expert on the area you want to work on; you become an expert through your ongoing contributions to the code.

* **Analyze tickets' context and history**

Trac isn't an absolute; the context is just as important as the words. When reading Trac, you need to take into account who says things, and when they were said. Support for an idea two years ago doesn't necessarily mean that the idea will still have support. You also need to pay attention to who *hasn't* spoken -- for example, if an experienced contributor hasn't been recently involved in a discussion, then a ticket may not have the support required to get into Django.

* **Start small**

It's easier to get feedback on a little issue than on a big one. See the `easy pickings`_

* **If you're going to engage in a big task, make sure that your idea has support first**

This means getting someone else to confirm that a bug is real before you fix the issue, and ensuring that there's consensus on a proposed feature before you go implementing it.

* **Be bold! Leave feedback!**
Sometimes it can be scary to put your opinion out to the world and say "this ticket is correct" or "this patch needs work", but it's the only way the project moves forward. The contributions of the broad Django community ultimately have a much greater impact than that of any one person. We can't do it without **you**!

* **Err on the side of caution when marking things Ready For Check-in**

If you're really not certain if a ticket is ready, don't mark it as such. Leave a comment instead, letting others know your thoughts. If you're mostly certain, but not completely certain, you might also try asking on IRC to see if someone else can confirm your suspicions.

* **Wait for feedback, and respond to feedback that you receive**

Focus on one or two tickets, see them through from start to finish, and repeat. The shotgun approach of taking on lots of tickets and letting some fall by the wayside ends up doing more harm than good.

* **Be rigorous**

When we say "`:pep:`8, and must have docs and tests", we mean it. If a patch doesn't have docs and tests, there had better be a good reason. Arguments like "I couldn't find any existing tests of this feature" don't carry much weight--while it may be true, that means you have the extra-important job of writing the very first tests for that feature, not that you get a pass from writing tests altogether.

.. _easy pickings: https://code.djangoproject.com/query?status=!closed&easy=1

.. _new-contributors-faq:

FAQ
===

1. **This ticket I care about has been ignored for days/weeks/months! What can I do to get it committed?**

First off, it's not personal. Django is entirely developed by volunteers (except the Django fellow), and sometimes folks just don't have time. The best thing to do is to send a gentle reminder to the `[django-developers] mailing list asking for review on the ticket, or to bring it up in the `#django-dev` IRC channel.

2. **I'm sure my ticket is absolutely 100% perfect, can I mark it as RFC myself?**
Short answer: No. It's always better to get another set of eyes on a ticket. If you're having trouble getting that second set of eyes, see question 1, above.

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1.1209 libip4tc0 1.6.1-2ubuntu2

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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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Advice for new contributors

New contributor and not sure what to do? Want to help but just don't know how to get started? This is the section for you.

.. admonition:: Basic tools and workflow

   If you are new to contributing to Django, the :doc:`/intro/contributing` tutorial will give you an introduction to the tools and the workflow.

First steps

Start with these easy tasks to discover Django's development process.

* **Triage tickets**

   If an `unreviewed ticket` reports a bug, try and reproduce it. If you can reproduce it and it seems valid, make a note that you confirmed the bug and accept the ticket. Make sure the ticket is filed under the correct component area. Consider writing a patch that adds a test for the bug's behavior, even if you don't fix the bug itself. See more at :ref:`how-can-i-help-with-triaging`

* **Look for tickets that are accepted and review patches to build familiarity with the codebase and the process**

   Mark the appropriate flags if a patch needs docs or tests. Look through the changes a patch makes, and keep an eye out for syntax that is incompatible with older but still supported versions of Python. :doc:`Run the tests</internals/contributing/writing-code/unit-tests>` and make sure they pass. Where possible and relevant, try them out on a database other than SQLite. Leave comments and feedback!

* **Keep old patches up to date**

   Oftentimes the codebase will change between a patch being submitted and the time it gets reviewed. Make sure it still applies cleanly and functions as expected. Simply updating a patch is both useful and important! See more on :doc:`writing-code/submitting-patches`.

* **Write some documentation**

   Django's documentation is great but it can always be improved. Did you find
a typo? Do you think that something should be clarified? Go ahead and suggest a documentation patch! See also the guide on :doc:`writing-documentation`.

.. note::

   The `reports page`_ contains links to many useful Trac queries, including several that are useful for triaging tickets and reviewing patches as suggested above.

   .. _reports page: https://code.djangoproject.com/wiki/Reports

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**Guidelines**

As a newcomer on a large project, it's easy to experience frustration. Here's some advice to make your work on Django more useful and rewarding.

* **Pick a subject area that you care about, that you are familiar with, or that you want to learn about**

   You don't already have to be an expert on the area you want to work on; you become an expert through your ongoing contributions to the code.

* **Analyze tickets' context and history**

   Trac isn't an absolute; the context is just as important as the words. When reading Trac, you need to take into account who says things, and when they were said. Support for an idea two years ago doesn't necessarily mean that the idea will still have support. You also need to pay attention to who *hasn't* spoken -- for example, if an experienced contributor hasn't been recently involved in a discussion, then a ticket may not have the support required to get into Django.

* **Start small**
It's easier to get feedback on a little issue than on a big one. See the `easy pickings`_.

* **If you're going to engage in a big task, make sure that your idea has support first**

This means getting someone else to confirm that a bug is real before you fix the issue, and ensuring that there's consensus on a proposed feature before you go implementing it.

* **Be bold! Leave feedback!**

Sometimes it can be scary to put your opinion out to the world and say "this ticket is correct" or "this patch needs work", but it's the only way the project moves forward. The contributions of the broad Django community ultimately have a much greater impact than that of any one person. We can't do it without **you**!

* **Err on the side of caution when marking things Ready For Check-in**

If you're really not certain if a ticket is ready, don't mark it as such. Leave a comment instead, letting others know your thoughts. If you're mostly certain, but not completely certain, you might also try asking on IRC to see if someone else can confirm your suspicions.

* **Wait for feedback, and respond to feedback that you receive**

Focus on one or two tickets, see them through from start to finish, and repeat. The shotgun approach of taking on lots of tickets and letting some fall by the wayside ends up doing more harm than good.

* **Be rigorous**

When we say `"pep: 8", and must have docs and tests"`, we mean it. If a patch doesn't have docs and tests, there had better be a good reason. Arguments like "I couldn't find any existing tests of this feature" don't carry much weight--while it may be true, that means you have the extra-important job of writing the very first tests for that feature, not that you get a pass from writing tests altogether.

.. _easy pickings: https://code.djangoproject.com/query?status=!closed&easy=1

.. _new-contributors-faq:

**FAQ**

```
1. **This ticket I care about has been ignored for days/weeks/months! What can
```
I do to get it committed?**

First off, it's not personal. Django is entirely developed by volunteers (except the Django fellow), and sometimes folks just don't have time. The best thing to do is to send a gentle reminder to the [django-developers] mailing list asking for review on the ticket, or to bring it up in the `#django-dev` IRC channel.

2. **I'm sure my ticket is absolutely 100% perfect, can I mark it as RFC myself?**

Short answer: No. It's always better to get another set of eyes on a ticket. If you're having trouble getting that second set of eyes, see question 1, above.

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1.1211 libassuan 2.5.2 1

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concluded that weaker conditions might promote sharing better.

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 * 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
 * interrupts us (except possibly for removal/insertion of the cable?)
 * 10/4/97 - began heavy inline documentation of the code. Corrected typos
 * and spelling mistakes.
* 10/5/97 - added code to handle PHY interrupts, disable PHY on loss of link, and correctly re-enable PHY when link is re-established. (put back CFG_PHYIE)

* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.

* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997

* Linux driver for the IDT77201 NICStAR PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
* see init_nicstar() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather lists
* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.

* Implementing minimal-copy of received data:
* IDT always receives data into a small buffer, then large buffers
* as needed. This means that data must always be copied to create
* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
* Fix is simple: make large buffers large enough to hold entire SDU, and leave <small_buffer_data> bytes empty at the start. Then
* copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large buffers. This is done by 2 things:
* 1) skb->destructor / skb->atm.recycle_buffer
   combined, allow nicstar_free_rx_skb to be called to
   recycle large data buffers
* 2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation details.

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AES in libhcrypto

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rijndael-alg-fst.c

@version 3.0 (December 2000)

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

@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
@author Paulo Barreto <paulo.barreto@terra.com.br>

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des core in libhcrypto

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


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1.1222 azure-mgmt-signalr 0.3.0

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, 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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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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winsup\cygserver\sysv_shm.cc

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      (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any
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However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

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

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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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**1.1233 xz-utils 5.2.4 1**

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

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changelog.gz (commit 975d8fd) explains:

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Files: INSTALL.generic
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Files: dos/config.h
    Free Software Foundation, Inc.
    2007-2010, Lasse Collin
Other-Authors: Roland McGrath, Akim Demaille, Paul Eggert,
    David Mackenzie, Bruno Haible, and many others.
Origin: configure.ac from XZ Utils,
    visibility.m4 serial 1 (gettext-0.15),
    Autoconf 2.52g
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configure.ac:

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dos/config.h was generated with autoheader, which tells Autoconf to
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Origin: gettext-runtime/po/Makevars (gettext-0.12)
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1.1236 python-dateutil 2.5.3
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1.1239 normalize-css 7.0.0
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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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1.1242 babel-helper-explode-assignable-expression 6.24.1

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1.1243 lua 5.1.4 15.el7

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1.1244 python3-6-minimal 3.6.9-1~18.04

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

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

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

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

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   ruby-dev \
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   cmake \
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   build-essential \
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RUN gem install licensee

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src/preproc/grn/gprint.h
src/preproc/grn/hdb.cpp
src/preproc/grn/hgraph.cpp
src/preproc/grn/hpoint.cpp
src/preproc/grn/main.cpp

The `gxditview' output device. It is based on X11's `xditview' program and thus has the X license.

src/devices/xditview/DESC.in
src/devices/xditview/Dvi.c
src/devices/xditview/Dvi.h
src/devices/xditview/DviP.h
src/devices/xditview/FontMap
src/devices/xditview/GXditview.ad
src/devices/xditview/Menu.h
src/devices/xditview/ad2c
src/devices/xditview/device.c
src/devices/xditview/device.h
src/devices/xditview/draw.c
src/devices/xditview/font.c
src/devices/xditview/gray1.bm
src/devices/xditview/gray2.bm
src/devices/xditview/gray3.bm
src/devices/xditview/gray4.bm
src/devices/xditview/gray5.bm
src/devices/xditview/gray6.bm
src/devices/xditview/gray7.bm
src/devices/xditview/gray8.bm
src/devices/xditview/gxditview.man
src/devices/xditview/lex.c
src/devices/xditview/page.c
src/devices/xditview/parse.c
src/devices/xditview/xdit.bm
src/devices/xditview/xdit_mask.bm
src/devices/xditview/xditview.c

src/include/DviChar.h
src/include/XFontName.h
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. The -mdoc macro set, using the BSD license.

tmac/doc.tmac
tmac/doc-old.tmac
tmac/doc-common
tmac/doc-ditroff
tmac/doc-nroff
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tmac/groff_mdoc.man

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tmac/groff_me.man
doc/meintro.me
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doc/meref.me

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

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1.1259 libc 2.28-10

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1.1265 azure-mgmt-containerregistry 3.0.0rc9

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This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser. The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM.

Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood.

Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code. Al Dossor (dossier@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code.

Jesper Peterson(jep@ntiamne.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.

Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.

Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.

Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied Linux and Sony News specific code. Al Dossor provided Alpha/OSF/I code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes.
Alistair G. Crooks (agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports.
Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.
Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to
a Motorola 88K processor running CX/UX (Harris NightHawk).
Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to
nonIBM development environments (a nontrivial task).
Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.
David Chase, then at Olivetti Research, suggested several improvements.
Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the
code to save and print call stacks for leak detection on a SPARC.
Jesse Hull and John Ellis supplied the C++ interface code.
Zhong Shao performed much of the experimentation that led to the
current typed allocation facility. (His dynamic type inference code hasn't
made it into the released version of the collector, yet.)
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1.1268 libdevmapper 2:1.02.155-3

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1.1273 libcap 1:2.25-1.2

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1.1281 libss 1.44.5-1+deb10u1

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Theodore Ts'o
23-June-2007

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This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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

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

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This package was put together by Yann Dirson <dirson@debian.org>,
from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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Index: tdbsa/tdb.c
===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
*/
/*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
-
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Gadi Oxman, August 1995

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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Fri Dec 14 22:24:35 EST 2007

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

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 Common Error Description library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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# This is a Makefile stub which handles the creation of BSD shared libraries.
# In order to use this stub, the following makefile variables must be defined.

# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)

all:: image

real-subsdirs:: 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) $(BSD_LIB) \n$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)

install-strip: install
install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)

1.1282 patch 2.7.6 2ubuntu1.1
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-- $Id: COPYING,v 1.4 2016/01/02 20:24:37 tom Exp $
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This package is used for testing builds of ncurses.

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

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1.1287 passwd 1:4.4-4.1
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1.1288 adduser 3.115

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1.1300 percona-xtradb-cluster-57 5.7.28-31.41-1.buster

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client/echo.c
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cmake/*
dbug/dbug_add_tags.pl
easy/*
include/*
libmysql/*
libmysqld/*
libservices/*
mysql-test/include/have_perfschema.inc
mysql-test/include/have_perfschema.inc
mysql-test/lib/mtr_cases.pm
mysql-test/lib/mtr_gcov.pl
mysql-test/lib/mtr_gprof.pl
mysql-test/lib/mtr_io.pl
mysql-test/lib/mtr_match.pm
mysql-test/lib/mtr_misc.pl
mysql-test/lib/mtr_process.pl
mysql-test/lib/mtr_report.pm
mysql-test/lib/mtr_results.pm
mysql-test/lib/mtr_stress.pl
sql/*
sql-common/*
storage/*
strings/*
support-files/compiler_warnings.supp
support-files/config.huge.ini.sh
support-files/config.medium.ini.sh
support-files/config.small.ini.sh
support-files/MacOSX/*
support-files/RHEL4-SElinux/*
support-files/MySQL-shared-compat.spec.sh
support-files/mysql.spec.sh
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scripts/mysqlaccess.sh
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sql-bench/*
storage/myisam/ftbench/ft-test-run.sh
storage/myisam/mi_test_all.sh
storage/ndb/test/run-test/atrt-analyze-result.sh
storage/ndb/test/run-test/atrt-clear-result.sh
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storage/ndb/test/run-test/ndb-autotest.sh
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CMakeLists.txt  
README  
config.h.cmake  
configure.cmake  
dbug/CMakeLists.txt  
support-files/CMakeLists.txt  
plugin/innodb_memcached/CMakeLists.txt  
plugin/innodb_memcached/daemon_memcached/CMakeLists.txt  
plugin/innodb_memcached/innodb_memcache/*  
plugin/innodb_memcached/daemon/memcached_mysql.cc  
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Also see the ChangeLog for even more people who have helped over the years by submitting fixes, patches and reporting bugs.

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* Added atomicops for Solaris

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Version 3.1, 31 March 2009

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libssh v0.7.3

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Additional Libraries Used by libssh

libssh has dependencies on the following libraries:
libgcrypt v1.7.3

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

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libgpg-error v1.24

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

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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.

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during execution displays copyright notices, you must include the
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directing the user to the copy of this License. Also, you must do one
of these things:

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

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

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

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

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

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

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

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

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[This is the first released version of the library GPL. It is numbered 2
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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.

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

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

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

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

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

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution
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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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b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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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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1.1306 kube-controllers 3.13.1
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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:

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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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Fri Dec 14 22:24:35 EST 2007

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

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

# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)

all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$(BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) `echo $(my_dir) | sed -e s;lib/;;"/$(BSD_LIB) $($(BSD_LIB))`)

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
clean:

$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)

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Index: tdbsa/tdb.c
===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@
 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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---
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This is the Debian GNU/Linux prepackaged version of the translation files of the EXT2 file system utilities. The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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1.1311 d3-dispatch 1.0.5

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1.1312 cdebconf 0.213ubuntu1

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1.1313 which 2.21 10.el8
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## jQuery Migrate v3.0.1

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X-Mailer: Lotus Notes Release 5.0.2a (Intl) 23 November 1999
Subject: Re: Juan C. Gomez license in OpenLDAP Source

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* Subject: Re: OpenLDAP Licenseing issues
* From: "Kurt D. Zeilenga" <Kurt@OpenLDAP.org>
* Date: Wed, 28 May 2003 10:55:44 -0700
* Cc: Steve Langasek <vorlon@netexpress.net>,debian-legal@lists.debian.org, openldap-devel@OpenLDAP.org
* In-reply-to: <20030528162613.GB8524@ns.snowman.net>
* Message-id: <5.2.0.9.0.20030528094229.02924780@127.0.0.1>
* Old-return-path: <Kurt@OpenLDAP.org>

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Regards, Kurt

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1.1322.1 Available under license:
hostnamemodule set the host name or show the host/domain name

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  <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"/>
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  </xsl:if>
</xsl:template>

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  <xsl:variable name="isc.copyright">
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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

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

* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision
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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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{
                Key: "dvs",
                Value: "vSphere Distributed Switch",
            },
        },
    }
}

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
}
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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ffjson
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goproperties - properties file decoder for Go

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BSON library for Go

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

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type License struct {
  Name string `json:"name"`
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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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)

// LicenseFilePrefix is a list of filename prefixes that indicate it might contain a software license
var LicenseFilePrefix = []string{  
    "licence", // UK spelling
    "license", // US spelling
    "copying",
    "unlicense",
    "copyright",
    "copyleft",
    "authors",
    "contributors",
}

// LegalFileSubstring are substrings that indicate the file is likely to contain some type of legal declaration. "legal" is often used that it might moved to LicenseFilePrefix
var LegalFileSubstring = []string{  
    "legal",
    "notice",
    "disclaimer",
    "patent",
    "third-party",
    "thirdparty",
}

// IsLicenseFile returns true if the filename might be contain a software license
func IsLicenseFile(filename string) bool {  
    lowerfile := strings.ToLower(filename)
    for _, prefix := range LicenseFilePrefix {  
        if strings.HasPrefix(lowerfile, prefix) {
            return true
        }
    }
    for _, substring := range LegalFileSubstring {  
        if lowerfile.Contains(substring) {
            return true
        }
    }
    return false
}

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return true
}

return false
}

// IsLegalFile returns true if the file is likely to contain some type
// of legal declaration or licensing information
func IsLegalFile(filename string) bool {
    lowerfile := strings.ToLower(filename)
    for _, prefix := range LicenseFilePrefix {
        if strings.HasPrefix(lowerfile, prefix) {
            return true
        }
    }
    for _, substring := range LegalFileSubstring {
        if strings.Contains(lowerfile, substring) {
            return true
        }
    }
    return false
}

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objx - by Mat Ryer and Tyler Bunnell

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mgo - MongoDB driver for Go

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1.1329 libsolv 0.7.4-3.el8

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1.1330 babel-template 6.26.0

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1.1331 libtomcat9-java 9.0.16-4

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- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
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- web-common_3_0.xsd
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1.1351 azure-devtools 1.0.0

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# perl

=head1 NAME

copyright.t

=head1 DESCRIPTION

Tests that the latest copyright years in the top-level README file and the C<perl -v> output match each other.

If the test fails, update at least one of README and perl.c so that they match reality.

Optionally you can pass the C<--now> option to check they are at the current year. This isn't checked by default, so that it doesn't fail for people working on older releases. It should be run before making a new release.

=cut

use strict;
use Config;
BEGIN { require './test.pl' }

if ( $Config{usecrosscompile} ) {
  skip_all( "Not all files are available during cross-compilation" );
}

my ($opt) = @ARGV;

my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so
# that tests still pass for people intentionally working on older versions:
if ($opt eq '--now')
{
  my $current_year = (gmtime)[5] + 1900;
  is $v_year, $current_year, 'perl -v copyright includes current year';
  is $readme_year, $current_year, 'README copyright includes current year';
}

# Otherwise simply check that the two copyright dates match each other:
else
{
  is $readme_year, $v_year, 'README and perl -v copyright dates match';
}

done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{
  open my $readme, '<', '../README' or die "Opening README failed: $!";
  # The copyright message is the first paragraph:
  local $/ = "
  my $copyright_msg = <$readme>;
  my ($year) = $copyright_msg =~ /.*\b(\d{4,})/s
    or die "Year not found in README copyright message '$copyright_msg'";
  $year;
}

sub v_year
# returns the latest copyright year shown in perl -v
{
  my $output = runperl switches => ['-v'];
  my ($year) = $output =~ /copyright 1987.*\b(\d{4,})/i
    or die "Copyright statement not found in perl -v output '$output'";
  $year;
}
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Julian Seward, jseward@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\n  Module-Build mailing list at <module-build@perl.org>.'"
buildRequires:
  File::Temp: 0.15
  Test::Harness: 3.16
  Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: Module-Build
resources:
  MailingList: mailto:module-build@perl.org
  license: http://dev.perl.org/licenses/
  repository: http://github.com/dagolden/module-build/
  version: 3

1.1353 fuse 2.9.7-1ubuntu1

1.1353.1 Available under license:

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Version 2.1, February 1999

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

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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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Mersenne Twister

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

The `_random` module includes code based on a download from `http://www.math.keio.ac.jp/~matumoto/MT2002/emt19937ar.html`. The following are the verbatim comments from the original code:

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

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

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Any feedback is very welcome.
http://www.math.keio.ac.jp/matumoto/emt.html
email: matumoto@math.keio.ac.jp

Sockets
-------

The `socket' module uses the functions, `getaddrinfo', and `getnameinfo', which are coded in separate source files from the WIDE Project, `http://www.wide.ad.jp/about/index.html'.

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

XML Remote Procedure Calls
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1.1358 pkg-config 0.29.1 0ubuntu2

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Python was created in the early 1990s by Guido van Rossum at Stichting
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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
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Mersenne Twister
The `_random` module includes code based on a download from
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following are the verbatim comments from the original code:

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

Before using, initialize the state by using init_genrand(seed)
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Any feedback is very welcome.
http://www.math.keio.ac.jp/matumoto/emt.html
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The `socket' module uses the functions, `getaddrinfo', and `getnameinfo', which are coded in separate source files from the WIDE Project, `http://www.wide.ad.jp/about/index.html'.

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

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.
In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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1.1364 classnames 2.2.6

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1.1376 libpython3-stdlib 3.6.7-1~18.04
1.1376.1 Available under license:

This is the Debian GNU/Linux prepackaged version of the Python programming language. Python was written by Guido van Rossum <guido@cwi.nl> and others.

This package was put together by Klee Dienes <klee@debian.org> from sources from ftp.python.org:/pub/python, based on the Debianization by the previous maintainers Bernd S. Brentrup <bsb@uni-muenster.de> and Bruce Perens.
Current maintainer is Matthias Klose <doko@debian.org> until the final 2.3 version is released.

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

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

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (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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Gocheck - A rich testing framework for Go

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1.1390 babel-helper-get-function-arity 6.24.1

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1.1391 kubectl 1.16.3-00

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

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

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BSON library for Go

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mgo - MongoDB driver for Go

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* github.com/BurntSushi/toml - https://github.com/BurntSushi/toml

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* github.com/kisielk/gotool  https://github.com/kisielk/gotool

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* github.com/rogpeppe/go-internal - https://github.com/rogpeppe/go-internal

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* golang.org/x/mod/module - https://github.com/golang/mod

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* golang.org/x/tools/go/analysis - https://github.com/golang/tools
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// License information for the exposed API.
//
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# 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>
```
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Version 2, June 1991
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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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tomb - support for clean goroutine termination in 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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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

SUBDIRECTORIES

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================================================================================================
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{  
      Key: "dvs",  
      Value: "vSphere Distributed Switch",  
    },  
  },  
},  
}


type LicenseManager struct {  
mo.LicenseManager  
}

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

if Map.IsVXP() {  
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 != "" {
        id := types.ManagedObjectReference{
            Type: "HostSystem",
            Value: req.EntityId,
        }

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

    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
}

goproperties - properties file decoder for Go

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1.1392 libpam-runtime 1.1.8-3.6

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MySQL 5.7.28 (and later)

Introduction

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Last updated: September 2019

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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
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in the event an application does not supply such function or
table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

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

These requirements apply to the modified work as a whole. If
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themselves, then this License, and its terms, do not apply to those
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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:

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

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

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

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

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

Preamble

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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
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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:

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   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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

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

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

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

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

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

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

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

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.
When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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

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

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

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

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

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

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

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Files: cmd-line-utils/libedit/config.h
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dbug/example2.c
dbug/example3.c
dbug/factorial.c
dbug/main.c
dbug/my_main.c
dbug/remove_function_from_trace.pl
dbug/tests.c
dbug/tests-t.pl
dbug/monty.doc
dbug/user.r
extra/yassl/src/dummy.cpp
include/probes_mysql_nodtrace.h
libmysqld/resource.h
mysql-test/*
regex/*
sql-bench/graph-compare-results.sh
storage/ndb/bin/*
storage/ndb/demos/*
support-files/build-tags
support-files/bin/uninstall
support-files/my-default.cnf.sh
support-files/my-huge.cnf.sh
support-files/my-innodb-heavy-4G.cnf.sh
support-files/my-large.cnf.sh
support-files/my-medium.cnf.sh
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cmake/*
dbug/dbug_add_tags.pl
eextra/*
include/*
libmysql/*
libmysqld/*
libservices/*
mysql-test/include/have_perfschema.inc
mysql-test/lib/mtr_cases.pm
mysql-test/lib/mtr_gcov.pl
mysql-test/lib/mtr_gprof.pl
mysql-test/lib/mtr_io.pl
mysql-test/lib/mtr_match.pm
mysql-test/lib/mtr_misc.pl
mysql-test/lib/mtr_process.pl
mysql-test/lib/mtr_report.pm
plugin/semisync/semisync_slave.h
scripts/*
sql/
sql-common/
storage/
strings/
support-files/compiler_warnings.supp
support-files/config.huge.ini.sh
support-files/config.medium.ini.sh
support-files/config.small.ini.sh
support-files/MySQL-shared-compat.spec.sh
support-files/mysql.spec.sh
support-files/mysql.5.7.*.spec
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tests/
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scripts/mysql_setpermission.sh
sql-bench/*
storage/myisam/ftbench/ft-test-run.sh
storage/myisam/mi_test_all.sh
storage/ndb/test/run-test/atrt-analyze-result.sh
storage/ndb/test/run-test/atrt-clear-result.sh
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storage/ndb/test/run-test/atrt-setup.sh
storage/ndb/test/run-test/make-config.sh
storage/ndb/test/run-test/make-html-reports.sh
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storage/ndb/test/run-test/ndb-autotest.sh
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libbinlogevents/*
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plugin/password_validation/*
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plugin/rewriter/*
plugin/rewrite_example/*
plugin/semisync/*
plugin/test_services/*
plugin/test_service_sql_api/*
plugin/version_token/*
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README
config.h.cmake
cfgure.cmake
dbug/CMakeLists.txt
support-files/CMakeLists.txt
plugin/innodb_memcached/CMakeLists.txt
plugin/innodb_memcached/daemon_memcached/CMakeLists.txt
plugin/innodb_memcached/innodb_memcache/*
plugin/innodb_memcached/daemon_memcached/daemon/memcached_mysql.cc
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  * Fix compiler to not make output executable.
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* Small patch improving performance of in Python serialization.
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* Emacs mode for Protocol Buffers (editors/protobuf-mode.el).
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* Detect whether zlib is new enough in configure script.
* Fixes for Solaris 10 32/64-bit confusion.
Evan Jones <evanj@mit.edu>
* Optimize Java serialization code when writing a small message to a stream.
* Optimize Java serialization of strings so that UTF-8 encoding happens only
  once per string per serialization call.
* Clean up some Java warnings.
* Fix bug with permanent callbacks that delete themselves when run.
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* Fixed detection of sched_yield on Solaris.
* Added atomicops for Solaris
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*/storage/ndb/demos/*
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*/support-files/my-huge.cnf.sh
*/support-files/my-innodb-heavy-4G.cnf.sh
*/support-files/my-large.cnf.sh
*/support-files/my-medium.cnf.sh
*/support-files/my-small.cnf.sh
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*/client/get_password.c
*/cmake/*
*/debug/dbug_add_tags.pl
*/extra/*
*/include/*
*/libmysql/*
*/libmysqld/*
*/libservices/*
*/mysql-test/include/have_perfschema.inc
*/mysql-test/include/have_perfschema.inc
*/mysql-test/lib/mtr_cases.pm
*/mysql-test/lib/mtr_gcov.pl
*/mysql-test/lib/mtr_gprof.pl
*/mysql-test/lib/mtr_io.pl
*/mysql-test/lib/mtr_match.pm
*/mysql-test/lib/mtr_misc.pl
*/mysql-test/lib/mtr_process.pl
*/mysql-test/lib/mtr_report.pm
*/mysql-test/lib/mtr_results.pm
*/mysql-test/lib/mtr_stress.pl
*/mysql-test/lib/mtr_unique.pm
*/sql-common/*
*/storage/*
*/strings/*
*/support-files/config.huge.ini.sh
*/support-files/config.medium.ini.sh
*/support-files/config.small.ini.sh
*/support-files/MacOSX/Description.plist.sh
*/support-files/MacOSX/Info.plist.sh
*/support-files/MacOSX/StartupParameters.plist.sh
*/support-files/MySQL-shared-compat.spec.sh
*/support-files/mysql.spec.sh
*/support-files/ndb-config-2-node.ini.sh
*/tests/*
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*/cmd-line-utils/libedit/read.h
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*/storage/myisam/ftbench/ft-test-run.sh
*/storage/myisam/mi_test_all.sh
*/storage/ndb/test/run-test/atrt-analyze-result.sh
*/storage/ndb/test/run-test/atrt-clear-result.sh
*/storage/ndb/test/run-test/atrt-gather-result.sh
*/storage/ndb/test/run-test/atrt-setup.sh
*/storage/ndb/test/run-test/make-config.sh
*/storage/ndb/test/run-test/make-html-reports.sh
*/storage/ndb/test/run-test/make-index.sh
*/storage/ndb/test/run-test/ndb-autotest.sh
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1.1397 zlib 1.2.11-10.el8

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# Contributions to the urllib3 project

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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/@WBRSRlBZDhBFXQB6/>
  * 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 Kluyer <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

* 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 Vandenbergen <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@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@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>
1.1406 libev4 1:4.25-1

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AES in libhcrypto

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rijndael-alg-fst.c

@version 3.0 (December 2000)

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

@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
@author Paulo Barreto <paulo.burreto@terra.com.br>

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Richard Outerbridge

DES core in libhcrypto

D3DES (V5.09) -

A portable, public domain, version of the Data Encryption Standard.

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

(GEnie : OUTER; CIS : [71755,204]) Graven Imagery, 1992.
Windows support

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lib/hcrypto/test_dh.c
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=head1 NAME

copyright.t

=head1 DESCRIPTION

Tests that the latest copyright years in the top-level README file and the C<perl -v> output match each other.

If the test fails, update at least one of README and perl.c so that they match reality.

Optionally you can pass the C<--now> option to check they are at the current year. This isn't checked by default, so that it doesn't fail for people working on older releases. It should be run before making a new release.

=cut

use strict;
use Config;
BEGIN { require './test.pl' }

if ( $Config{usecrosscompile} ) {
  skip_all( "Not all files are available during cross-compilation" );
}

my ($opt) = @ARGV;

my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so # that tests still pass for people intentionally working on older versions:
if ($opt eq '--now') {
  my $current_year = (gmtime)[5] + 1900;
  is $v_year, $current_year, 'perl -v copyright includes current year';
  is $readme_year, $current_year, 'README copyright includes current year';
}

# Otherwise simply check that the two copyright dates match each other:
else
sub readme_year
  # returns the latest copyright year from the top-level README file
  {
    open my $readme, '<', '../README' or die "Opening README failed: $!";
    
    # The copyright message is the first paragraph:
    local $/ = ';
    my $copyright_msg = <$readme>;
    my ($year) = $copyright_msg =~ /.*\d{4,}(/s
      or die "Year not found in README copyright message '$copyright_msg'";
    $year;
  }

sub v_year
  # returns the latest copyright year shown in perl -v
  {
    my $output = runperl switches => ['-v'];
    my ($year) = $output =~ /copyright \d{4,}/i
      or die "Copyright statement not found in perl -v output '$output'";
    $year;
  }

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cpan/CPAN-Meta/lib/CPAN/Meta/History/Meta_1_0.pod
cpan/CPAN-Meta/lib/CPAN/Meta/History/Meta_1_1.pod
cpan/CPAN-Meta/lib/CPAN/Meta/History/Meta_1_2.pod
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bzip2/libbzip2 version 1.0.5 of 10 December 2007

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abstract: 'Build and install Perl modules'
author:
- 'Ken Williams <kwilliams@cpan.org>'
- "Development questions, bug reports, and patches should be sent to the\nModule-Build mailing list at <module-build@perl.org>," 
builtRequires:
  File::Temp: 0.15
  Test::Harness: 3.16
  Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: Module-Build
resources:
  MailingList: mailto:module-build@perl.org
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  repository: http://github.com/dagolden/module-build/
  version: 3

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

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

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1.1418 lm-sensors 1:3.4.0-4

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

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

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@item
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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Fri Dec 14 22:24:35 EST 2007

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

http://sourceforge.net/projects/e2fsprogs

Upstream Author: Theodore Ts'o <tytso@mit.edu>

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#
# This is a Makefile stub which handles the creation of BSD shared
# libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image::$(BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(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
This is the Debian GNU/Linux prepackaged version of the Common Error Description library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

From the original distribution:

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Theodore Ts'o
23-June-2007

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Index: tdbsa/tdb.c

--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@
 Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
 */
 /**
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
-  Copyright (C) Andrew Tridgell  2005
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Gadi Oxman, August 1995

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1.1427 linux-signed 4.15.0-64.73

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The following people have worked to translate sudo into other languages:

Blittermann, Mario
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* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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That's all there is to it!
# README for Debian packaging contributors #

This documentation describes how to contribute to the official Debian packages of MariaDB. The packaging in Debian repositories is not identical to the packaging in mariadb.org repositories, but whatever is in Debian repositories will eventually be upstreamed.

## Development environment and tools

Use a recent version of Debian or Ubuntu as the environment for Debian packaging testing and development. Preferred environment is Debian Sid (unstable).
Install the tool used to manage and build the source
sudo apt-get install git-buildpackage

## Getting the source

The official Debian package source is hosted on the Debian Gitlab server under the MariaDB/MySQL packaging team at https://salsa.debian.org/mariadb-team/. You are welcome to fork it and make merge requests.

To get the latest official Debian packaging source of mariadb-10.3, clone the source repository with all relevant branches (master, upstream, pristine-tar) to your local environment using _git-buildpackage_:

gbp clone --pristine-tar https://salsa.debian.org/mariadb-team/mariadb-10.3.git

If you have your own fork and SSH keys set up on Salsa, you can run:
gbp clone --pristine-tar git@salsa.debian.org:<username>/mariadb-10.3.git

The clone needs to be run only once. On later runs you can refresh your clone with relevant branches using

gbp pull --pristine-tar --force

## Building the packages

Build binaries, run testsuite and build Debian packages with

gbp buildpackage

On the first run git-buildpackage will complain if some of the build dependencies defined in debian/control are missing. Simply install those packages and run the build again.

A quick command to install all dependencies:
sudo mk-build-deps -r -i debian/control -t "apt-get -y -o Debug::pkgProblemResolver=yes --no-install-recommends"

If the build fails, the easiest way to clean up before a new run is

git clean -fdx && git reset --hard

### Build options

If you want to skip the mysql-test-run step (which takes a lot of time) set the following environment variable:

export DEB_BUILD_OPTIONS="nocheck"

If you want to run the build in parallel on 2 CPUs and have verbose output:
export DEB_BUILD_OPTIONS="parallel=2 verbose"

The options above can also be combined freely to get desired behavior.

### Creating a feature or bugfix branch

The repository has the following branch layout:

* upstream - contains the upstream source releases without modifications
* pristine-tar - contains extra delta needed to re-create the original tarballs with the exactly same SHA-1 hash as the original tarballs by upstream
* master - packaging for Debian Sid (unstable)
* jessie - release branch for Debian 8 (jessie)
* stretch - release branch for Debian 9 (stretch)
* ubuntu-16.04 - release branch for Ubuntu 16.04 (xenial)
* ubuntu-18.04 - release branch for Ubuntu 18.04 (bionic)

All new features and also bugfixes are done only in the master branch. The release branches for Debian and Ubuntu are only used for security updates.

To prepare the Salsa pull request, create a bugfix branch from master with:

git checkout -b fix-example-name

After this you can develop with all the usual git commit and push commands until you have in your fork at Salsa the desired change and you are ready to open the merge request.

### Notes about how to make changes in the proper way

First consider submitting your patch upstream. Upstream MariaDB makes frequent maintenance releases and any fix done upstream will therefore be included in Debian relatively quickly. You can send email to the developers mailing list or open a pull request at https://github.com/MariaDB/server.

Follow these instructions if your fix is about packaging in Debian specifically. Start by using gitk or similar tool to browse the previous changes. Try to follow similar pattern in your new changes.

Keep in mind that all changes must done only for files residing in the debian/ subdirectory. If you need to create changes outside the debian/ directory, then you need to create a patch file using the same pattern as the patches found in debian/patches and activated by a line in debian/patches/series

Do not bundle in your commit any changes to debian/changelog. The correct changelog entries will be created later by the maintainer using git-dch in an automated fashion.

For an example of a patch adding commit see https://github.com/ottok/mariadb-10.0/commit/8d2a7c909
# Using Docker

First make a working directory for the build artefacts. Inside that directory clone the repository. Then start a Docker session using whatever Debian/Ubuntu image you want with the command:

docker run -it -v ${PWD}:/build -w /build debian:sid bash

This will start a session, where you are as the root user in the path /build inside the Docker container. Here you can cd into the source directory, install dependencies and start the build. Note that when you exit the session, everything will be lost apart from the files you had inside the mounted volume in /build.

# Using sbuild

If you prefer sbuild, you can build with something like:

gbp buildpackage --git-builder=sbuild -A -v -d unstable

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- Glob: client/async_example.c include/my_context.h mysys/my_context.c storage/connect/inihandl.c 
  storage/tokudb/ft-index/third_party/xz-4.999.9beta/lib/getopt.c storage/tokudb/ft-index/third_party/xz-4.999.9beta/lib/getopt.in.h 
  storage/tokudb/ft-index/third_party/xz-4.999.9beta/lib/getopt1.c storage/connect/inihandl.c 
  tests/nonblock_wrappers.h tests/async_queries.c sql-common/mysql_async.c
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Glob: msys/waiting_threads.c
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Glob: include/maria.h include/myisamchk.h
License: GPL-2+

Glob: storage/maria/ma_rt_index.c storage/maria/ma_rt_mbr.c storage/maria/ma_sp_defs.h storage/maria/ma_rt_index.h storage/maria/ma_rt_mbr.h
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VerifyLicense: GPL-2

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CopyrightExtract: *

Glob: scripts/mysqlaccess.conf
MaxVersion: 5.6
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MaxVersion: 5.6
Copyright:
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Open Source Used In Cisco Container Platform 6.1.038080


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MMagic: text/plain
CopyrightExtract: Copyright (C) (Y+Jean-loup Gailly) and (Mark Adler)

Glob: sql/* storage/* mysys/*
MMagic: text/plain
VerifyLicense: GPL (v2)
License: GPL-2
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Glob: * plugin/* mysql-test/* plugin/* tests/* mysys/* unittest/* include/* extra/* dbug/* pl cmd-line-utils/readline*
VerifyLicense: GPL (v2)
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Glob: extra/*
MMagic: text/plain
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MaxVersion: 5.6
MMagic: text/plain
Contains:

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 * *
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 * with every copy.
 * *
 * The code has been modified by Mikael Ronstroem to handle
 * calculating a hash value of a key that is always a multiple
 * of 4 bytes long. Word 0 of the calculated 4-word hash value
*/
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 *
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 * except that you don't need to include two pages of legalese
 * with every copy.
 *
 * To compute the message digest of a chunk of bytes, declare an
 * MD5Context structure, pass it to MD5Init, call MD5Update as
 * needed on buffers full of bytes, and then call MD5Final, which
 * will fill a supplied 16-byte array with the digest.
 */
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Justification: Seems to have been taken out of public domain by Oracle.

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MaxVersion: 5.5.30
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Justification: Check the actual file but this looks like a dual-license to me

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1.1438 azure-mgmt-network 9.0.0
1.1438.1 Available under license:

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1.1439 alpine-keys 2.1
1.1439.1 Available under license:

mini_sendmail - accept email on behalf of real sendmail

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# Maintainer: Natanael Copa <ncopa@alpinelinux.org>

pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=5
pkgdesc="A library for high-performance 2D graphics"
url="http://www.levien.com/libart/
arch="all"
options="!check" # No test suite.
license="LGPL-2.0+"
depends=
makedepends=
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2"

builddir="$srcdir.libart_lgpl-$pkgver"

prepare() {
    cd "$builddir"
    update_config_sub
default_prepare
}

build() {
    cd "$builddir"
    ./configure
    --build=$CBUILD
    --host=$CHOST
    --enable-libart
    make
    make install
--prefix=/usr
make
}

package() {
    cd "$builddir"
    make DESTDIR="$pkgdir" install
}

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e76654309e001ae9bace727b5b4c8589405256a3c020  libart_lgpl-2.3.21.tar.bz2"

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pkgname=py-flake8-copyright
Open Source Used In Cisco Container Platform 6.1.038126

```bash
_flgake8-copyright
_pkgname=flake8-copyright
_pkgver=0.2.0
_pkgrel=1
_pkgdesc="Extension for flake8 which checks for copyrights"
_url=https://github.com/savoirfairelinuxflake8-copyright"
_arch="noarch"
_license="MIT"
_depends="flake8"
_makedepends="python3-dev"
_source=https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/$_pkgname/$_pkgname-$pkgver.tar.gz
_builddir="$srcdir/$_pkgname-$pkgver"

build() {
  cd "$builddir"
  python3 setup.py build || return 1
}

package() {
  cd "$builddir"
  python3 setup.py install --prefix=/usr --root="$pkgdir" || return 1
}

md5sums="c6348990c6d74933bf5d5f6a55a14bdf flake8-copyright-0.2.0.tar.gz"
sha256sums="aeef26eb4d5223e9cd5b101e68175fcef6d2b353bf36da688fdde62fcccfe2b73 flake8-copyright-0.2.0.tar.gz"
sha512sums="bab1bfaed3a525ac3c7da12b1f2ec338c204cc69b72d05cd39560e528faaff5d586c3b1be9570f4a977a7e2417b586e543bfa12abce256b2023c8c4993eeb90 flake8-copyright-0.2.0.tar.gz"
  
  # Automatically generated by apkbuild-cpan, template 1
  # Contributor: Valery Kartel <valery.kartel@gmail.com>
  # Maintainer: Valery Kartel <valery.kartel@gmail.com>
  pkgname=perl-bsd-resource
  _pkgreal=BSD-Resource
  pkgver=1.2911
  pkgrel=0
  pkgdesc="Perl extension implements the BSD process resource limit functions"
  url="http://search.cpan.org/dist/BSDF-Resource/"
  arch="all"
  license="GPL PerlArtistic"
  cpandepends=""
  cpanmakedepends=""
  depends="$cpandepends"
  makedepends="perl-dev $cpanmakedepends"
  subpackages="$pkgname-doc"
  source="http://search.cpan.org/CPAN/authors/id/J/JH/JHI/$_pkgreal-$pkgver.tar.gz"
  builddir="$srcdir/$_pkgreal-$pkgver"

prepare() {
```
default_prepare

cd "$builddir"
export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}

build() {
  cd "$builddir"
  export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
  make
}

check() {
  cd "$builddir"
  make test
}

package() {
  cd "$builddir"
  make DESTDIR="$pkgdir" install
  find "$pkgdir" \( -name perllocal.pod -o -name .packlist \) -delete
}

sha512sums="d0032d41c7c0468ed1c6d8f57b885f6c8cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16
  dfa517f663b8065ba65f4fca96e9262728b3b6b85  BSD-Resource-1.2911.tar.gz"

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pkgname=spdx-licenses
pkgver=3.1
pkgrel=0
pkgdesc="Various data formats for the SPDX License List"
url="https://spdx.org/"
arch="noarch"
options="!check"
license="unknown"
source="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"
builddir="$srcdir/license-list-data-$pkgver"
subpackages="$pkgname-list"

_types="html json rdfa rdfnt rdfturtle rdfxml template text"

for type in $_types; do
  subpackages="$subpackages $pkgname-$type:_subpkg"
done

build() {
  cd "$builddir"
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Source: https://github.com/tianon/cgroupfs-mount
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1.1451 lib-curl 7.61.1-11.el8

1.1451.1 Available under license:

License Mixing

libcurl can be built to use a fair amount of various third party libraries, libraries that are written and provided by other parties that are distributed using their own licenses. Even libcurl itself contains code that may cause problems to some. This document attempts to describe what licenses libcurl and the other libraries use and what possible dilemmas linking and mixing them all can lead to for end users.

I am not a lawyer and this is not legal advice!

One common dilemma is that [GPL](https://www.gnu.org/licenses/gpl.html) licensed code is not allowed to be linked with code licensed under the
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## GnuTLS

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## BoringSSL

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## libressl

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## c-ares

(Used for asynchronous name resolves) Uses an MIT license that is very liberal and imposes no restrictions on any other library or part you may link with.

## zlib

(Used for compressed Transfer-Encoding support) Uses an MIT-style license that shouldn't collide with any other library.

## MIT Kerberos

(May be used for GSS support) MIT licensed, that shouldn't collide with any other parts.

## Heimdal

(May be used for GSS support) Heimdal is Original BSD licensed with the announcement clause.

## GNU GSS

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## OpenLDAP

(Used for LDAP support) Uses a Modified BSD-style license. Since libcurl uses OpenLDAP as a shared library only, I have not heard of anyone that ships OpenLDAP linked with libcurl in an app.

## libssh2

(Used for scp and sftp support) libssh2 uses a Modified BSD-style license.

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1.1452 recast 0.12.9

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1.1453 azure-mgmt-botservice 0.2.0

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1.1454.libnl 3.2.29 0ubuntu3

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The packaging is based on Michael Biebl's <biebl@teco.edu> original packaging of libnl1.

It was downloaded from https://github.com/thom311/libnl/releases

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lib/netfilter/queue_msg.c
lib/netfilter/queue.c
lib/netfilter/netfilter.c
lib/netfilter/queue_obj.c
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include/netlink/xfrm/sa.h
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include/netlink/xfrm/template.h
include/netlink/xfrm/lifetime.h
lib/xfrm/sa.c
lib/xfrm/template.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, 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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The of the start-stop-daemon

* A rewrite of the original Debian's start-stop-daemon Perl script
* in C (faster - it is executed many times during system startup).

* Written by Marek Michalkiewicz <marekm@i17linuxb.ists.pwr.wroc.pl>,
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This package contains the scripts that are executed at start and shutdown of Debian systems.

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Version 2, June 1991

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This is the Debian GNU/Linux prepackaged version of System V Init.

Init was written by Miquel van Smoorenburg <miquels@cistron.nl>.

This package was first put together by Bruce Perens <Bruce@Pixar.com>
from pre-distribution sources. Ian Murdock <imurdock@debian.org>
integrated it into the base system maintained it until the end of 1995.
Miquel van Smoorenburg <miquels@cistron.nl> implemented Debian support.
In version 2.85 the package was split into three (sysvinit, sysv-rc,
and initscripts) in order to make room for alternative rc mechanisms.
The upstream source is available at:

Primary-Site:   ftp.cistron.nl /pub/people/miquels/software
   92K sysvinit-2.86.tar.gz
Alternate-Site: sunsite.unc.edu /pub/Linux/system/daemons/init
   92K sysvinit-2.86.tar.gz

Send patches to sysvinit-devel@nongnu.org.

The sysvinit package in Debian is maintained as an alioth project.
The project page is http://alioth.debian.org/projects/pkg-sysvinit/.

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The of the start-stop-daemon:

* A rewrite of the original Debian's start-stop-daemon Perl script
* in C (faster - it is executed many times during system startup).
* Written by Marek Michalkiewicz <marekm@i17linuxb.ists.pwr.wroc.pl>,
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1.1468 dbus-libs 1.12.8-9.el8

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

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

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

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

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

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

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

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      in the event an application does not supply such function or
      table, the facility still operates, and performs whatever part of
      its purpose remains meaningful.

      (For example, a function in a library to compute square roots has
      a purpose that is entirely well-defined independent of the
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Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

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(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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Here is a list of the main contributors to lm-sensors version 3.

* Frodo Looijaard
  Original author of libsensors, sensors-detect, sensors and isadump.
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  Configuration file converter.
  Rewrite of sensors-detect.
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Gadi Oxman, August 1995

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This package was added to the e2fsprogs debian source package by
Theodore Ts'o <tytso@mit.edu> on Fri Dec 14 22:24:35 EST 2007

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

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This 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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1.1488 libbz 1.0.6-8.1

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

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1.1489 six 1.14.0
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1.1490 kubernetes-dashboard 1.10.1

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Protocol Buffers for Go with Gadgets

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@c man end

/* Definitions for BSD assembler syntax for Intel 386
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<http://www.gnu.org/licenses/>. */

/* Use the Sequent Symmetry assembler syntax. */

/* Define the syntax of pseudo-ops, labels and comments. */

/* Prefix for internally generated assembler labels. If we aren't using
underscores, we are using prefix `.'s to identify labels that should
be ignored, as in `i386/gas.h' --karl@cs.umb.edu */

#define LPREFIX "L"
/* Assembler pseudos to introduce constants of various size. */

#define ASM_BYTE "\t.byte\t"
#define ASM_SHORT "\t.word\t"
#define ASM_LONG "\t.long\t"
#define ASM_QUAD "\t.quad\t" /* Should not be used for 32bit compilation. */

/* This was suggested, but it shouldn't be right for DBX output. -- RMS
#define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) */

/* Define the syntax of labels and symbol definitions/declarations. */

/* This is how to output an assembler line
that says to advance the location counter by SIZE bytes. */

#define ASM_OUTPUT_SKIP(FILE, SIZE)  
fprintf (FILE, "\t.space HOST_WIDE_INT_PRINT_UNSIGNED\n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations. */

/* This says how to output an assembler line
to define a global common symbol. */

#define ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED)  
(fputs (".comm ", (FILE)),
assemble_name ((FILE), (NAME)),
fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

/* This says how to output an assembler line
to define a local common symbol. */

#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED)  
(fputs (".lcomm ", (FILE)),
assemble_name ((FILE), (NAME)),
fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

#if defined HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT)  
(fputs (".lcomm ", (FILE)),
assemble_name ((FILE), (NAME)),
fprintf ((FILE), ",%u,%u\n", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif

/* This is how to output an assembler line
that says to advance the location counter
to a multiple of 2**LOG bytes. */
#define ASM_OUTPUT_ALIGN(FILE, LOG)\  
if ((LOG)!=(0)) fprintf ((FILE), \"\t.align %d\u\n\", (LOG))

/* This is how to store into the string BUF 
the symbol_ref name of an internal numbered label where 
PREFIX is the class of label and NUM is the number within the class. 
This is suitable for output with \`assemble_name'. */

#define ASM_GENERATE_INTERNAL_LABEL(BUF, PREFIX, NUMBER)\  
sprintf ((BUF), \"*%s%ld\", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols. */

#define USER_LABEL_PREFIX "_"

/* Sequent has some changes in the format of DBX symbols. */
#define DBX_NO_XREFS 1

/* Don't split DBX symbols into continuations. */
#define DBX_CONTIN_LENGTH 0

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

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)
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That's all there is to it!
/* Permission.java -- The superclass for all permission objects

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package java.security;

import gnu.java.lang.CPStringBuilder;

import java.io.Serializable;

/**
 * This class is the abstract superclass of all classes that implement
 * the concept of a permission. A permission consists of a permission name
 * and optionally a list of actions that relate to the permission. The
 * actual meaning of the name of the permission is defined only in the
 * context of a subclass. It may name a resource to which access permissions
 * are granted (for example, the name of a file) or it might represent
 * something else entirely. Similarly, the action list only has meaning
 * within the context of a subclass. Some permission names may have no
 * actions associated with them. That is, you either have the permission
 * or you don't.
 *
 * <p>The most important method in this class is <code>implies</code>. This
 * checks whether if one has this permission, then the specified
 * permission is also implied. As a conceptual example, consider the
 * permissions "Read All Files" and "Read File foo". The permission
 * "Read All Files" implies that the caller has permission to read the
 * file foo.
 *
 * <p><code>Permission</code>'s must be immutable - do not change their
 * state after creation.
 *
 * @author Aaron M. Renn (arenn@urbanophile.com)
public abstract class Permission implements Guard, Serializable {
    
    private static final long serialVersionUID = -5636570222231596674L;
    
    private String name;
    
    public Permission(String name) {
        this.name = name;
    }
    
    public void checkGuard(Object obj) {
        SecurityManager sm = System.getSecurityManager();
        if (sm != null)
            sm.checkPermission(this);
    }
}
/**
 * This method tests whether this <code>Permission</code> implies that the
 * specified <code>Permission</code> is also granted.
 *
 * @param perm the <code>Permission</code> to test against
 * @return true if perm is implied by this
 */
public abstract boolean implies(Permission perm);

/**
 * Check to see if this object equals obj. Use <code>implies</code>, rather
 * than <code>equals</code>, when making access control decisions.
 *
 * @param obj the object to compare to
 */
public abstract boolean equals(Object obj);

/**
 * This method returns a hash code for this <code>Permission</code>. It
 * must satisfy the contract of <code>Object.hashCode</code>: it must be
 * the same for all objects that equals considers to be the same.
 *
 * @return a hash value
 */
public abstract int hashCode();

/**
 * Get the name of this <code>Permission</code>.
 *
 * @return the name
 */
public final String getName()
{
    return name;
}

/**
 * This method returns the list of actions for this <code>Permission</code>
 * as a <code>String</code>. The string should be in canonical order, for
 * example, both <code>new FilePermission(f, "write,read")</code> and
 * <code>new FilePermission(f, "read,write")</code> have the action list
 * "read,write".
 *
 * @return the action list for this <code>Permission</code>
 */
public abstract String getActions();

/**
* This method returns an empty <code>PermissionCollection</code> object that can store permissions of this type, or <code>null</code> if no such collection is defined. Subclasses must override this to provide an appropriate collection when one is needed to accurately calculate <code>implies</code>.

* @return a new <code>PermissionCollection</code>
 */
public PermissionCollection newPermissionCollection()
{
    return null;
}

/**
 * This method returns a <code>String</code> representation of this <code>Permission</code> object. This is in the format:
 * <code>'(' + getClass().getName() + ' ' + getName() + ' ' + getActions + ' ' + ')'</code>.
 * @return this object as a <code>String</code>
 */
public String toString()
{
    CPStringBuilder string = new CPStringBuilder();

    string = string.append('(');
    string = string.append(getClass().getName());
    string = string.append(' ');
    string = string.append(getName());
    string = string.append(' ');
    string = string.append(getActions());
    string = string.append(' ');
    string = string.append(getActions());

    if (!getActions().equals(""))
    {
        string = string.append(' '); 
        string = string.append(getActions());
    }

    string = string.append(')');
    return string.toString();
}
} // class Permission

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That's all there is to it!
This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser. The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM. Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood. Robert Brazile (brazil@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code. Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports. Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code. Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detelfs(detelfs@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks(agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports. Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port. Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to
a Motorola 88K processor running CX/UX (Harris NightHawk).
Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to
nonIBM development environments (a nontrivial task).
Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.
David Chase, then at Olivetti Research, suggested several improvements.
Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the
code to save and print call stacks for leak detection on a SPARC.
Jesse Hull and John Ellis supplied the C++ interface code.
Zhong Shao performed much of the experimentation that led to the
current typed allocation facility. (His dynamic type inference code hasn't
made it into the released version of the collector, yet.)

GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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David Megginson, sax@megginson.com
1998-05-11

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* m4/ax_func_which_gethostbyname_r.m4

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#
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# This script adjusts the copyright notices at the top of source files
# so that they have the form:
#
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#
# It doesn't change code that is known to be maintained elsewhere or
# that carries a non-FSF copyright.
#
# The script also doesn't change testsuite files, except those in
# libstdc++-v3. This is because libstdc++-v3 has a conformance testsuite,
# while most tests in other directories are just things that failed at some
# point in the past.
#
# Pass --this-year to the script if you want it to add the current year
# to all applicable notices. Pass --quilt if you are using quilt and
# want files to be added to the quilt before being changed.
#
# By default the script will update all directories for which the
# output has been vetted. You can instead pass the names of individual
# directories, including those that haven't been approved. So:
#
# update-copyright.pl --this-year
#
# is the command that would be used at the beginning of a year to update
# all copyright notices (and possibly at other times to check whether
# new files have been added with old years). On the other hand:
#
# update-copyright.pl --this-year libjava
#
# would run the script on just libjava/.
#
# Note that things like --version output strings must be updated before
# this script is run. There's already a separate procedure for that.

import os
import re
import sys
import time
import subprocess

class Errors:
    def __init__(self):
        self.num_errors = 0

    def report(self, filename, string):
        if filename:
            string = filename + ': ' + string
        sys.stderr.write(string + '
')
        self.num_errors += 1

    def ok(self):
        return self.num_errors == 0

class GenericFilter:
    def __init__(self):
        self.skip_files = set()
        self.skip_dirs = set()
        self.skip_extensions = set()
        self.fossilised_files = set()
self.own_files = set()

self.skip_files |= set([
    # Skip licence files.
    'COPYING',
    'COPYING.LIB',
    'COPYING3',
    'COPYING3.LIB',
    'LICENSE',
    'fdl.texi',
    'gpl_v3.texi',
    'fdl-1.3.xml',
    'gpl-3.0.xml',

    # Skip auto- and libtool-related files
    'aclocal.m4',
    'compile',
    'config.guess',
    'config.sub',
    'depcomp',
    'install-sh',
    'libtool.m4',
    'ltmain.sh',
    'ltoptions.m4',
    'lt3sugar.m4',
    'ltversion.m4',
    'lt~obsolete.m4',
    'missing',
    'mkdep',
    'mkinstalldirs',
    'move-if-change',
    'shlibpath.m4',
    'symlink-tree',
    'ylwrap',

    # Skip FSF mission statement, etc.
    'gnu.texi',
    'funding.texi',
    'appendix_free.xml',

    # Skip imported texinfo files.
    'texinfo.tex',
])

def get_line_filter(self, dir, filename):
    if filename.startswith('ChangeLog'):
        # Ignore references to copyright in changelog entries.
def skip_file(self, dir, filename):
    if filename in self.skip_files:
        return True

    (base, extension) = os.path.splitext(os.path.join(dir, filename))
    if extension in self.skip_extensions:
        return True

    if extension == '.in':
        # Skip .in files produced by automake.
        if os.path.exists(base + '.am'):
            return True

        # Skip files produced by autogen
        if (os.path.exists(base + '.def')
            and os.path.exists(base + '.tpl')):
            return True

    # Skip configure files produced by autoconf
    if filename == 'configure':
        if os.path.exists(base + '.ac'):
            return True

        if os.path.exists(base + '.in'):
            return True

    return False

def skip_dir(self, dir, subdir):
    return subdir in self.skip_dirs

def is_fossilised_file(self, dir, filename):
    if filename in self.fossilised_files:
        return True

    # Only touch current current ChangeLogs.
    if filename != 'ChangeLog' and filename.find('ChangeLog') >= 0:
        return True
    return False

def by_package_author(self, dir, filename):
    return filename in self.own_files

class Copyright:
    def __init__(self, errors):
        self.errors = errors
# Characters in a range of years. Include `:' for typos.
ranges = '[0-9][?[-0-9,.\s]\s+and\s+]*[0-9]'

# Non-whitespace characters in a copyright holder's name.
name = '[\w.-]'

# Matches one year.
self.year_re = re.compile (\('[0-9]+\')

# Matches part of a year or copyright holder.
self.continuation_re = re.compile (ranges + '|\w+\s+\w+')

# Matches a full copyright notice:
self.copyright_re = re.compile (\n  # 1: 'Copyright (C)', etc.
  '\('[Cc]\s?\)
  # 2: the years. Include the whitespace in the year, so that
  # we can remove any excess.
  '\s*\(?--! + ranges +\.\?\)
  \[@value\{%[^{}]*\}\]\s*
  # 3: 'by ', if used
  \('(by\s+)?\)

  # 4: the copyright holder. Don't allow multiple consecutive
  # spaces, so that right-margin gloss doesn't get caught
  # (e.g. gnat_ugn.texi).
  '\(' + name + '\(?:\s?' + name + '\+\')?\)
\n  # A regexp for notices that might have slipped by. Just matching
  # 'copyright' is too noisy, and 'copyright.*[0-9]' falls foul of
  # HTML header markers, so check for 'copyright' and two digits.
self.other_copyright_re = re.compile ('copyright.*[0-9][0-9]',
                                           re.IGNORECASE)

# HTML header markers, so check for 'copyright' and two digits.
self.copyright_re = re.compile ('(copyright.*[0-9][0-9]',
                                           re.IGNORECASE)

self.comment_re = re.compile('#+|[*]+|%;%|//|@c |dnl ')

self.holders = { '@copying': '@copying' }
self.holder_prefixes = set()

self.use_quilt = False
# If set, force all notices to include this year.
self.max_year = None

# Goes after the year(s).  Could be ‘,’.
self.separator = ‘ ‘

def add_package_author (self, holder, canon_form = None):
    if not canon_form:
        canon_form = holder
    self.holders[holder] = canon_form
    index = holder.find (‘ ’)
    while index >= 0:
        self.holder_prefixes.add (holder[:index])
        index = holder.find (‘ ’, index + 1)

def add_external_author (self, holder):
    self.holders[holder] = None

class BadYear():
    def __init__ (self, year):
        self.year = year

    def __str__ (self):
        return ‘unrecognised year: ‘ + self.year

def parse_year (self, string):
    year = int (string)
    if len (string) == 2:
        if year > 70:
            return year + 1900
        else:
            return year
    elif len (string) == 4:
        return year
    else:
        raise self.BadYear (string)

def year_range (self, years):
    year_list = [self.parse_year (year)
                 for year in self.year_re.findall (years)]
    assert len (year_list) > 0
    return (min (year_list), max (year_list))

def set_use_quilt (self, use_quilt):
    self.use_quilt = use_quilt

def include_year (self, year):
    assert not self.max_year
    self.max_year = year

def canonicalise_years (self, dir, filename, filter, years):
# Leave texinfo variables alone.
if years.startswith('@value'):
    return years

(min_year, max_year) = self.year_range(years)

# Update the upper bound, if enabled.
if self.max_year and not filter.is_fossilised_file(dir, filename):
    max_year = max(max_year, self.max_year)

# Use a range.
if min_year == max_year:
    return '%d' % min_year
else:
    return '%d-%d' % (min_year, max_year)

def strip_continuation(self, line):
    line = line.lstrip()
    match = self.comment_re.match(line)
    if match:
        line = line[match.end():].lstrip()
    return line

def is_complete(self, match):
    holder = match.group(4)
    return (holder
                and (holder not in self.holder_prefixes
                     or holder in self.holders))

def update_copyright(self, dir, filename, filter, file, line, match):
    orig_line = line
    next_line = None
    pathname = os.path.join(dir, filename)

    intro = match.group(1)
    if intro.startswith('@set'):
        # Texinfo year variables should always be on one line
        after_years = line[match.end(2):].strip()
        if after_years != ' ':
            self.errors.report(pathname,
                               'trailing characters in @set: ' + after_years)
            return (False, orig_line, next_line)
        else:
            # If it looks like the copyright is incomplete, add the next line.
            while not self.is_complete(match):
                try:
                    next_line = file.next()
except StopIteration:
    break

    # If the next line doesn't look like a proper continuation,
    # assume that what we've got is complete.
    continuation = self.strip_continuation (next_line)
    if not self.continuation_re.match (continuation):
        break

    # Merge the lines for matching purposes.
    orig_line += next_line
    line = line.rstrip() + ' ' + continuation
    next_line = None

    # Rematch with the longer line, at the original position.
    match = self.copyright_re.match (line, match.start())
    assert match
    holder = match.group (4)

    # Use the filter to test cases where markup is getting in the way.
    if filter.by_package_author (dir, filename):
        assert holder not in self.holders

    elif not holder:
        self.errors.report (pathname, 'missing copyright holder')
        return (False, orig_line, next_line)

    elif holder not in self.holders:
        self.errors.report (pathname, 'unrecognised copyright holder: ' + holder)
        return (False, orig_line, next_line)

    else:
        # See whether the copyright is associated with the package
        # author.
        canon_form = self.holders[holder]
        if not canon_form:
            return (False, orig_line, next_line)

        # Make sure the author is given in a consistent way.
        line = (line[:match.start (4)]
            + canon_form
            + line[match.end (4):])

        # Remove any 'by'
        line = line[:match.start (3)] + line[match.end (3):]
# Update the copyright years.
years = match.group (2).strip()
try:
    canon_form = self.canonicalise_years (dir, filename, filter, years)
except self.BadYear as e:
    self.errors.report (pathname, str (e))
return (False, orig_line, next_line)

line = (line[:match.start (2)]
    + ' ' + canon_form + self.separator
    + line[match.end (2):])

# Use the standard (C) form.
if intro.endswith ('right'):
    intro += ' (C)'
elif intro.endswith ('(c)'):
    intro = intro[:-3] + '(C)'
line = line[:match.start (1)] + intro + line[match.end (1):]

# Strip trailing whitespace
line = line.rstrip() + '
'
return (line != orig_line, line, next_line)

def process_file (self, dir, filename, filter):
    pathname = os.path.join (dir, filename)
    if filename.endswith ('.tmp'):
        # Looks like something we tried to create before.
        try:
            os.remove (pathname)
        except OSError:
            pass
        return

    lines = []
    changed = False
    line_filter = filter.get_line_filter (dir, filename)
    with open (pathname, 'r') as file:
        prev = None
        for line in file:
            while line:
                next_line = None
                # Leave filtered-out lines alone.
                if not (line_filter and line_filter.match (line)):
                    match = self.copyright_re.search (line)
                    if match:
                        res = self.update_copyright (dir, filename, filter,
                          file, line, match)
                        if res == True:
                            changed = True
                        prev = line
                        next_line = line
                        line = res
                else:
                    prev = next_line
                    next_line = line
                # Leave filtered-out lines alone.
                if not (line_filter and line_filter.match (line)):
                    match = self.copyright_re.search (line)
                    if match:
                        res = self.update_copyright (dir, filename, filter,
                          file, line, match)
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(this_changed, line, next_line) = res
changed = changed or this_changed

# Check for copyright lines that might have slipped by.
elif self.other_copyright_re.search(line):
    self.errors.report(pathname,
        'unrecognised copyright: %s'
        % line.strip())
    lines.append(line)
    line = next_line

# If something changed, write the new file out.
if changed and self.errors.ok():
    tmp_pathname = pathname + '.tmp'
    with open(tmp_pathname, 'w') as file:
        for line in lines:
            file.write(line)
    if self.use_quilt:
        subprocess.call(['quilt', 'add', pathname])
    os.rename(tmp_pathname, pathname)

def process_tree(self, tree, filter):
    for (dir, subdirs, filenames) in os.walk(tree):
        # Don't recurse through directories that should be skipped.
        for i in xrange(len(subdirs) - 1, -1, -1):
            if filter.skip_dir(dir, subdirs[i]):
                del subdirs[i]

        # Handle the files in this directory.
        for filename in filenames:
            if filter.skip_file(dir, filename):
                sys.stdout.write('Skipping %s
' % os.path.join(dir, filename))
            else:
                self.process_file(dir, filename, filter)

class CmdLine:
def __init__(self, copyright = Copyright):
    self.errors = Errors()
    self.copyright = copyright(self.errors)
    self.dirs = []
    self.default_dirs = []
    self.chosen_dirs = []
    self.option_handlers = dict()
    self.option_help = []

    self.add_option('--help', 'Print this help', self.o_help)
    self.add_option('--quilt', '"quilt add" files before changing them',


def add_option(self, name, help, handler):
    self.option_help.append((name, help))
    self.option_handlers[name] = handler

def add_dir(self, dir, filter=GenericFilter):
    self.dirs.append((dir, filter))

def o_help(self, option=None):
    sys.stdout.write(('Usage: %s [options] dir1 dir2 ...

' % sys.argv[0] % sys.argv[0]))
    for (what, help) in self.option_help:
        sys.stdout.write((format % (what, help)))
    sys.stdout.write(('Directories:
' % dir))
    format = '%-25s'
    for (dir, filter) in self.dirs:
        i += 1
        if i % 3 == 0 or i == len(self.dirs):
            sys.stdout.write(dir + '
')
        else:
            sys.stdout.write((format % dir))
    sys.exit(0)

def o_quilt(self, option):
    self.copyright.set_use_quilt(True)

def o_this_year(self, option):
    self.copyright.include_year(time.localtime().tm_year)

def main(self):
    for arg in sys.argv[1:]:
        if arg[1] != '-':
            self.chosen_dirs.append(arg)
        elif arg in self.option_handlers:
            self.option_handlers[arg] (arg)
        else:
            self.errors.report(None, 'unrecognised option: ' + arg)
    if self.errors.ok():
        if len(self.chosen_dirs) == 0:
            self.chosen_dirs = self.default_dirs
        if len(self.chosen_dirs) == 0:
            self.o_help()
else:
    for chosen_dir in self.chosen_dirs:
        canon_dir = os.path.join (chosen_dir, '')
        count = 0
        for (dir, filter) in self.dirs:
            if (dir + os.sep).startswith (canon_dir):
                count += 1
                self.copyright.process_tree (dir, filter)
        if count == 0:
            self.errors.report (None, 'unrecognised directory: ' + chosen_dir)
            sys.exit (0 if self.errors.ok() else 1)

#---------------------------------------------------------------

class TopLevelFilter (GenericFilter):
    def skip_dir (self, dir, subdir):
        return True

class ConfigFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

    def skip_file (self, dir, filename):
        if filename.endswith ('.m4'):
            pathname = os.path.join (dir, filename)
            with open (pathname) as file:
                # Skip files imported from gettext.
                if file.readline().find ('gettext-') >= 0:
                    return True
            return GenericFilter.skip_file (self, dir, filename)

class GCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_files |= set ([
            # Not part of GCC
            'math-68881.h',
        ])

        self.skip_dirs |= set ([
            # Better not create a merge nightmare for the GNAT folks.
            'ada',

            # Handled separately.
            'testsuite',
        ])
self.skip_extensions |= set([
    # Maintained by the translation project.
    '.po',

    # Automatically-generated.
    '.pot',
])

self.fossilised_files |= set([
    # Old news won't be updated.
    'ONEWS',
])

class TestsuiteFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set([
            # Don't change the tests, which could be woend by anyone.
            '.c',
            '.C',
            '.cc',
            '.h',
            '.hs',
            '.f',
            '.f90',
            '.go',
            '.inc',
            '.java',
        ])

    def skip_file (self, dir, filename):
        # g++.niklas/README contains historical copyright information
        # and isn't updated.
        if filename == 'README' and os.path.basename (dir) == 'g++.niklas':
            return True
        return GenericFilter.skip_file (self, dir, filename)

class LibCppFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set([
            # Maintained by the translation project.
            '.po',

            # Automatically-generated.
        ])

        def skip_file (self, dir, filename):
            # g++.niklas/README contains historical copyright information
            # and isn't updated.
            if filename == 'README' and os.path.basename (dir) == 'g++.niklas':
                return True
            return GenericFilter.skip_file (self, dir, filename)
class LibGCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set ([
                # Imported from GLIBC.
                'soft-fp',
        ])

class LibJavaFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set ([
                # Handled separately.
                'testsuite',

                # Not really part of the library
                'contrib',

                # Imported from upstream
                'classpath',
                'libltdl',
        ])

def get_line_filter (self, dir, filename):
    if filename == 'NameDecoder.h':
        return re.compile ('.*NAME_COPYRIGHT')
    if filename == 'ICC_Profile.h':
        return re.compile ('.*icSigCopyrightTag')
    return GenericFilter.get_line_filter (self, dir, filename)

class LibMudflapFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set ([
                # Handled separately.
                'testsuite',
        ])

class LibStdCxxFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)
self.skip_files |= set (['intro.xml',])

self.skip_dirs |= set (['html',]
    # Contains automatically-generated sources.
    )

    # The testsuite data files shouldn't be changed.
    'data',

    # Contains imported images
    'images',)

self.own_files |= set (['spine.xml',])

def get_line_filter (self, dir, filename):
    if filename == 'boost_concept_check.h':
        return re.compile ('// \(C\) Copyright Jeremy Siek')
    return GenericFilter.get_line_filter (self, dir, filename)

class GCCCopyright (Copyright):
    def __init__ (self, errors):
        Copyright.__init__ (self, errors)

        canon_fsf = 'Free Software Foundation, Inc.'
        self.add_package_author ('Free Software Foundation', canon_fsf)
        self.add_package_author ('Free Software Foundation', canon_fsf)
        self.add_package_author ('Free Software Foundation Inc.', canon_fsf)
        self.add_package_author ('Free Software Foundation, Inc.', canon_fsf)
        self.add_package_author ('The Free Software Foundation', canon_fsf)
        self.add_package_author ('The Free Software Foundation, Inc.', canon_fsf)
        self.add_package_author ('Software Foundation, Inc.', canon_fsf)
        self.add_package_author ('Hewlett-Packard Company')

        self.add_external_author ('ARM')
        self.add_external_author ('AdaCore')
        self.add_external_author ('Ami Tavory and Vladimir Dreizin, IBM-HRL.')
        self.add_external_author ('Cavium Networks.')
        self.add_external_author ('Faraday Technology Corp.')
        self.add_external_author ('Florida State University')
        self.add_external_author ('Greg Colvin and Beman Dawes.')
        self.add_external_author ('Hewlett-Packard Company')
class GCCCmdLine (CmdLine):
    def __init__ (self):
        CmdLine.__init__ (self, GCCCopyright)

        self.add_dir ('.', TopLevelFilter())
        # boehm-gc is imported from upstream.
        self.add_dir ('config', ConfigFilter())
        # contrib isn't really part of GCC.
        self.add_dir ('fixincludes')
        self.add_dir ('gcc', GCCFilter())
        self.add_dir (os.path.join ('gcc', 'testsuite'), TestsuiteFilter())
        self.add_dir ('gnattools')
        self.add_dir ('include')
        self.add_dir ('libada')
        self.add_dir ('libatomic')
        self.add_dir ('libbacktrace')
        self.add_dir ('libcpp', LibCppFilter())
        self.add_dir ('libdecnumber')
        # libffi is imported from upstream.
        self.add_dir ('libgcc', LibGCCFilter())
        self.add_dir ('libgfortran')
        self.add_dir ('libgomp')
        self.add_dir ('libiberty')
        self.add_dir ('libitm')
        self.add_dir ('libjava', LibJavaFilter())
        self.add_dir (os.path.join ('libjava', 'testsuite'), TestsuiteFilter())
        self.add_dir ('libmudflap', LibMudflapFilter())
        self.add_dir (os.path.join ('libmudflap', 'testsuite'), TestsuiteFilter())
self.add_dir('libobjc')
self.add_dir('libquadmath')
# libsanitiser is imported from upstream.
self.add_dir('libssp')
self.add_dir('libstdc++-v3', LibStdCxxFilter())
self.add_dir('lto-plugin')
# zlib is imported from upstream.

self.default_dirs = [
    'gcc',
    'libada',
    'libatomic',
    'libbacktrace',
    'libcpp',
    'libdecnumber',
    'libgcc',
    'libgfortran',
    'libgomp',
    'libitm',
    'libmudflap',
    'libobjc',
    'libstdc++-v3',
]

GCCCmdLine().main()

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Version 3, 29 June 2007

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import java.util.Map;

import com.sun.tools.doclets.Taglet;

import com.sun.javadoc.Tag;

/**
 * A simple Taglet which handles Copyright information.
 */
public class CopyrightTaglet implements Taglet {

    private static final String NAME = "copyright";
    private static final String HEADER = "Copyright:";

    public String getName() {
        return NAME;
    }

    public boolean inField() {
        return true;
    }

    public boolean inConstructor() {
        return true;
    }

    public boolean inMethod() {
        return true;
    }
}
public boolean inOverview() {
return true;
}
public boolean inPackage() {
return true;
}
public boolean inType() {
return true;
}
public boolean isInlineTag() {
return false;
}
public static void register(Map tagletMap) {
CopyrightTaglet copyrightTaglet = new CopyrightTaglet();
tagletMap.put(copyrightTaglet.getName(), copyrightTaglet);
}
public String toString(Tag tag) {
return toString(new Tag[] { tag });
}
public String toString(Tag[] tags) {
if (tags.length == 0) {
return null;
}
else {
boolean haveValidTag = false;
for (int i = 0; i < tags.length && !haveValidTag; ++i) {
if (tags[i].text().length() > 0) {
haveValidTag = true;
}
}
if (haveValidTag) {
StringBuffer result = new StringBuffer();
result.append("<dl>");
for (int i = 0; i < tags.length; i++) {
if (tags[i].text().length() > 0) {
result.append("<dt><i>Copyright &#169; " + tags[i].text() + "</i></dt>");
}
}
result.append("</dl>");
return result.toString();
}

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else {
    return null;
}

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/**
 * This interface provides information about a permission that can be granted. Note that this is &lt;em&gt;not&lt;/em&gt; the same as the class &lt;code&gt;java.security.Permission&lt;/code&gt;.
 *
 * @version 0.0
 *
 * @author Aaron M. Renn (arenn@urbanophile.com)
 */

public interface Permission
{
 /**
 * This method tests whether or not a specified &lt;code&gt;Permission&lt;/code&gt; (passed as an &lt;code&gt;Object&lt;/code&gt;) is the same as this permission.
 *
 * @param perm The permission to check for equality
 *
 * @return &lt;code&gt;true&lt;/code&gt; if the specified permission is the same as this one, &lt;code&gt;false&lt;/code&gt; otherwise
 */
boolean equals (Object perm):

/**
 * This method returns this <code>Permission</code> as a <code>String</code>.
 * @return A <code>String</code> representing this permission.
 */
String toString();

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1.1511 libsmartcols 2.31.1-0.4ubuntu3.4

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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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(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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Gadi Oxman, August 1995

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

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This is the Debian GNU/Linux prepackaged version of the Common Error Description library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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This is the Debian GNU/Linux prepackaged version of the static EXT2 file system consistency checker (e2fsck.static). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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Upstream Author: Theodore Ts'o <tytso@mit.edu>

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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Fri Dec 14 22:24:35 EST 2007

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

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# This 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)

Index: tdbsa/tdb.c
===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
*/
/*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
-
- Copyright (C) Andrew Tridgell 2005
+ Copyright (C) Andrew Tridgell 1999-2005
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** library. This does NOT imply that all of Samba is released

1.1519 xz-libs 5.2.4
1.1519.1 Available under license :

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1.1541 crypto-policies 20190807

1.git9b1477b.el8

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Ty Coon, President of Vice

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1.1542 libpam-modules 1.1.8 3.6
1.1542.1 Available under license:
Patch for Ubuntu bug #399071

Display the contents of /etc/legal as part of the MOTD, the first time the user logs in, and set a flag in the user's homedir if possible to prevent repeat displays.

Authors: Dustin Kirkland <kirkland@canonical.com>

Upstream status: Ubuntu-specific, maybe submit to Debian

Index: pam.ubuntu/modules/pam_motd/pam_motd.c
--- pam.ubuntu.orig/modules/pam_motd/pam_motd.c
+++ pam.ubuntu/modules/pam_motd/pam_motd.c
@@ -73,6 +73,61 @@
close(fd);
}

+int display_legal(pam_handle_t *pamh)
+{
+    int retval = PAM_IGNORE, rc;
+    char *user = NULL;
+    char *dir = NULL;
+    char *flag = NULL;
+    struct passwd *pwd = NULL;
+    struct stat s;
+    int f;
+    /* Get the user name to determine if we need to print the disclaimer */
+    rc = pam_get_item(pamh, PAM_USER, &user);
+    if (rc == PAM_SUCCESS && user != NULL && *(const char *)user != '\0')
+    {
+        PAM_MODUTIL_DEF_PRIVS(privs);
+        /* Get the password entry */
+        pwd = pam_modutil_getpwnam (pamh, user);
+        if (pwd != NULL)
+        {
+            if (pam_modutil_drop_priv(pamh, &privs, pwd)) {
+                pam_syslog(pamh, LOG_ERR,
+                          "Unable to change UID to %d temporarily\n",
+                          pwd->pw_uid);
+                retval = PAM_SESSION_ERR;
+                goto finished;
+            }
+            if (asprintf(&dir, "%s/.cache", pwd->pw_dir) == -1 || !dir)
+                goto finished;
+            if (asprintf(&flag, "%s/motd.legal-displayed", dir) == -1 || !flag)
+                goto finished;
+            if (stat(flag, &s) != 0)
+            {
+                display_file(pamh, "/etc/legal");
+                mkdir(dir, 0700);
+                f = open(flag, O_WRONLY|O_CREAT|O_EXCL,
+                        S_IRUSR|S_IWUSR|S_IRGRP|S_IROTH);
+                if (f>=0) close(f);
+            }
+        }
+    }
+    /* Get the password entry */
+    if (asprintf(&dir, "%s/.cache", pwd->pw_dir) == -1 || !dir)
+        goto finished;
+    if (asprintf(&flag, "%s/motd.legal-displayed", dir) == -1 || !flag)
+        goto finished;
+    if (stat(flag, &s) != 0)
+    {
+        display_file(pamh, "/etc/legal");
+        mkdir(dir, 0700);
+        f = open(flag, O_WRONLY|O_CREAT|O_EXCL,
+                 S_IRUSR|S_IWUSR|S_IRGRP|S_IROTH);
+        if (f>=0) close(f);
+    }
+}

--- pam.ubuntu.orig/modules/pam_motd/pam_motd.c
+++ pam.ubuntu/modules/pam_motd/pam_motd.c
@@ -73,6 +73,61 @@
close(fd);
}

+int display_legal(pam_handle_t *pamh)
+{
+    int retval = PAM_IGNORE, rc;
+    char *user = NULL;
+    char *dir = NULL;
+    char *flag = NULL;
+    struct passwd *pwd = NULL;
+    struct stat s;
+    int f;
+    /* Get the user name to determine if we need to print the disclaimer */
+    rc = pam_get_item(pamh, PAM_USER, &user);
+    if (rc == PAM_SUCCESS && user != NULL && *(const char *)user != '\0')
+    {
+        PAM_MODUTIL_DEF_PRIVS(privs);
+        /* Get the password entry */
+        pwd = pam_modutil_getpwnam (pamh, user);
+        if (pwd != NULL)
+        {
+            if (pam_modutil_drop_priv(pamh, &privs, pwd)) {
+                pam_syslog(pamh, LOG_ERR,
+                          "Unable to change UID to %d temporarily\n",
+                          pwd->pw_uid);
+                retval = PAM_SESSION_ERR;
+                goto finished;
+            }
+            if (asprintf(&dir, "%s/.cache", pwd->pw_dir) == -1 || !dir)
+                goto finished;
+            if (asprintf(&flag, "%s/motd.legal-displayed", dir) == -1 || !flag)
+                goto finished;
+            if (stat(flag, &s) != 0)
+            {
+                display_file(pamh, "/etc/legal");
+                mkdir(dir, 0700);
+                f = open(flag, O_WRONLY|O_CREAT|O_EXCL,
+                        S_IRUSR|S_IWUSR|S_IRGRP|S_IROTH);
+                if (f>=0) close(f);
+            }
+        }
+    }
+    /* Get the password entry */
+    if (asprintf(&dir, "%s/.cache", pwd->pw_dir) == -1 || !dir)
+        goto finished;
+    if (asprintf(&flag, "%s/motd.legal-displayed", dir) == -1 || !flag)
+        goto finished;
+    if (stat(flag, &s) != 0)
+    {
+        display_file(pamh, "/etc/legal");
+        mkdir(dir, 0700);
+        f = open(flag, O_WRONLY|O_CREAT|O_EXCL,
+                 S_IRUSR|S_IWUSR|S_IRGRP|S_IROTH);
+        if (f>=0) close(f);
+    }

--- pam.ubuntu.orig/modules/pam_motd/pam_motd.c
+++ pam.ubuntu/modules/pam_motd/pam_motd.c
@@ -73,6 +73,61 @@
close(fd);
}

+int display_legal(pam_handle_t *pamh)
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+    struct stat s;
+    int f;
+    /* Get the user name to determine if we need to print the disclaimer */
+    rc = pam_get_item(pamh, PAM_USER, &user);
+    if (rc == PAM_SUCCESS && user != NULL && *(const char *)user != '\0')
+    {
+        PAM_MODUTIL_DEF_PRIVS(privs);
+        /* Get the password entry */
+        pwd = pam_modutil_getpwnam (pamh, user);
+        if (pwd != NULL)
+        {
+            if (pam_modutil_drop_priv(pamh, &privs, pwd)) {
+                pam_syslog(pamh, LOG_ERR,
+                          "Unable to change UID to %d temporarily\n",
+                          pwd->pw_uid);
+                retval = PAM_SESSION_ERR;
+                goto finished;
+            }
+            if (asprintf(&dir, "%s/.cache", pwd->pw_dir) == -1 || !dir)
+                goto finished;
+            if (asprintf(&flag, "%s/motd.legal-displayed", dir) == -1 || !flag)
+                goto finished;
+            if (stat(flag, &s) != 0)
+            {
+                display_file(pamh, "/etc/legal");
+                mkdir(dir, 0700);
+                f = open(flag, O_WRONLY|O_CREAT|O_EXCL,
+                        S_IRUSR|S_IWUSR|S_IRGRP|S_IROTH);
+                if (f>=0) close(f);
+            }
+        }
+    }
+    /* Get the password entry */
+    if (asprintf(&dir, "%s/.cache", pwd->pw_dir) == -1 || !dir)
+        goto finished;
+    if (asprintf(&flag, "%s/motd.legal-displayed", dir) == -1 || !flag)
+        goto finished;
+    if (stat(flag, &s) != 0)
+    {
+        display_file(pamh, "/etc/legal");
+        mkdir(dir, 0700);
+        f = open(flag, O_WRONLY|O_CREAT|O_EXCL,
+                 S_IRUSR|S_IWUSR|S_IRGRP|S_IROTH);
+        if (f>=0) close(f);
+    }
if (pam_modutil_regain_priv(pamh, &privs)) {
    pam_syslog(pamh, LOG_ERR,
               "Unable to change UID back to %d\n", privs.old_uid);
    retval = PAM_SESSION_ERR;
}

_pam_drop(flag);
_pam_drop(dir);
return retval;
}

PAM_EXTERN
int pam_sm_open_session(pam_handle_t *pamh, int flags,
int argc, const char **argv)
@@ -116,6 +171,9 @@
/* Display the updated motd */
    display_file(pamh, motd_path);

+ /* Display the legal disclaimer only if necessary */
+    retval = display_legal(pamh);
+    return retval;
}
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1.1543 resolvconf 1.79ubuntu10.18.04.3

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However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it
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1.1552 coreutils-single 8.30-6.el8

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This is the Debian GNU/Linux prepackaged version of the translation files of the EXT2 file system utilities. The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

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

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#
# This is a Makefile stub which handles the creation of BSD shared libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic
image:$(BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_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) \n@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)" \n@$(INSTALL_PROGRAM) $(BSD_LIB) \n$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB) \n@-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall:: \n$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean:: \n$(RM) -rf pic \n$(RM) -f $(BSD_LIB) \n$(RM) -f ../$(BSD_LIB) \nThis package was added to the e2fsprogs debian source package by \nTheodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

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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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1.1566 kmod 24 1ubuntu3.2

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1.1567 libcom-err 1.44.1-1ubuntu1.3

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

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

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This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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Index: tdbsa/tdb.c

--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
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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** NOTE! The following LGPL license applies to the tdb
** library. This does NOT imply that all of Samba is released
#
# 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_DIR     = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#

all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@makedirs -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$ (BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJ)) $(MV) pic/$(BSD_LIB) .
$(RM) -f $(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) `echo $(my_dir) | sed -e 's;lib/;;'`/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ..$(BSD_LIB)

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Gadi Oxman, August 1995

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Theodore Ts'o
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This package was put together by Yann Dirson <dirson@debian.org>,
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1.1568 protobuf 3.11.3

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1.1569 babel-preset-stage-3 6.24.1

1.1570 gpgconf 2.2.12-1+deb10u1
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#+TITLE: List of code with permissive licenses as used by GnuPG.
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* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

--------------------------------------------------------------------------
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1.1571 jinja 2.10-1ubuntu0.18.04.1

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1.1572 lsb 9.20170808ubuntu1
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Format: http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
Upstream-Name: LSB implementation package

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### 1.1573 alpine-baselayout 3.1.0

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mini_sendmail - accept email on behalf of real sendmail

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pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=5
pkgdesc="A library for high-performance 2D graphics"
url="http://www.levien.com/libart/"
arch="all"
options="!check"  # No test suite.
license="LGPL-2.0+"
depends=
makedepends=
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart-lgpl/2.3.1/libart-lgpl-$pkgver.tar.bz2"

builddir="$srcdir/libart-lgpl-$pkgver"

prepare() {
    cd "$builddir"
    update_config_sub
    default_prepare
}

build() {
    cd "$builddir"
    ./configure \
        --build=$CBUILD \
        --host=$CHOST \
        --prefix=/usr
    make
}

package() {
    cd "$builddir"
    make DESTDIR="$pkgdir" install
}

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e7665430e001aee9bae7727b5b4c8589405256a3c020 libart-lgpl-2.3.21.tar.bz2"

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pkgname=py-flake8-copyright
__pkgname=flake8-copyright
pkgver=0.2.0
pkgrel=1
pkgdesc="Extension for flake8 which checks for copyrights"
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="flake8"
makedepends="python3-dev"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/${_pkgname}/${_pkgname}-${pkgver}.tar.gz"
builddir="$srcdir"/$_pkgname-$pkgver

build() {
  cd "$builddir"
  python3 setup.py build || return 1
}
package() {
    cd "$builddir"
    python3 setup.py install --prefix=/usr --root="$pkgdir" || return 1
}

md5sums="c6348990e6d749333bf5d5f6a55a14bdf flake8-copyright-0.2.0.tar.gz"
sha256sums="aeeef6eb4d5223c9cd5b101e68175fcef6d2b353bf36da688fdde62fcccfe2b73 flake8-copyright-0.2.0.tar.gz"
sha512sums="bab1bfaeed3a525ac3c7da12b1f2ec338c204ec69b72d05cd39560e528faeff5d586e3b1be9570f4a977a7e2417b586e543fbfa12abce256b2023c8c4993eeb90 flake8-copyright-0.2.0.tar.gz"

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text="perl-bsd-resource
  _pkgreal=BSD-Resource
  pkgver=1.2911
  pkgrel=0
  pkgdesc="Perl extension implements the BSD process resource limit functions"
  url="http://search.cpan.org/dist/BSD-Resource/
  arch="all"
  license="GPL PerlArtistic"
  cpandepends=""
  cpanmakedepends=""
  depends="cpandepends"
  makedepends="perl-dev cpanmakedepends"
  subpackages="$pkgname-doc"
  source="http://search.cpan.org/CPAN/authors/id/J/JH/JHI/$pkgreal-$pkgver.tar.gz"
  build="$srcdir/$pkgreal-$pkgver"

prepare() {
    default_prepare

    cd "$builddir"
    export CFLAGS='perl -MConfig -E 'say $Config{ccflags}''
    PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}

build() {
    cd "$builddir"
    export CFLAGS='perl -MConfig -E 'say $Config{ccflags}''
    make
}

check() {
    cd "$builddir"
    make test
"
package() {
    cd "$builddir"
    make DESTDIR="$pkgdir" install
    find "$pkgdir" \( -name perllocal.pod -o -name .packlist \) -delete
}

sha512sums="d0032d41c7c0368ed1c668f57b885f6cb97a5039a574ec8cb60b2067daedaf53bd15fb6561a3d0f828df16
df5417f663b8065ba65f4f9aa16dc9262728b3b6b85  BSD-Resource-1.2911.tar.gz"
# Contributor: Carlo Landmeter <clandmeter@alpinelinux.org>
# Maintainer:
pkgname=spdx-licenses
pkgver=3.1
pkgrel=0
pkgdesc="Various data formats for the SPDX License List"
url="https://spdx.org/"
arch="noarch"
options="!check"
license="unknown"
source="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"
builddir="$srcdir/license-list-data-$pkgver"
subpackages="$pkgname-list"

_types="html json rdfa rdfnt rdfturtle rdfxml template text"

for type in $_types; do
    subpackages="$subpackages $pkgname-$type:_subpkg"
done

build() {
    cd "$builddir"
}

package() {
    mkdir -p "$pkgdir"
}

_subpkg() {
    local type=${subpkgname/$pkgname-/}
    pkgdesc="$pkgdesc ($type)"
    install_if="$pkgname"
    mkdir -p "$subpkgdir/usr/share/spdx"
    cp -r "$builddir"/type "$subpkgdir"/usr/share/spdx/
}

list() {
    pkgdesc="$pkgdesc (licence list)"
mkdir -p "$subpkgdir"/usr/share/spdx
local i; for i in $builddir/text/*.txt; do
local license=${i##*/}
 echo ${license%.*} >> "$subpkgdir"/usr/share/spdx/license.lst
done
}

sha512sums="a07a6be891296ce032962aa3fca03b1f0e49f5d378b2445d3e2b27b3a6288695ecea0bae81976c65219
a25339d65944db6fc1127b8d334fc44f0bba90a1574  license-list-data-3.1.tar.gz"

1.1574 libuuid 2.29.2 1+deb9u1

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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.

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.

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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case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

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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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1.1581 binutils-common 2.30-21ubuntu1~18.04.2

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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-compiler 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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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI) in the Netherlands as a successor of a
language called ABC. Guido is Python's principal author, although it
includes many contributions from others. The last version released
from CWI was Python 1.2. In 1995, Guido continued his work on Python
at the Corporation for National Research Initiatives (CNRI) in Reston,
Virginia where he released several versions of the software. Python
1.6 was the last of the versions released by CNRI. In 2000, Guido and
the Python core development team moved to BeOpen.com to form the
BeOpen PythonLabs team. Python 2.0 was the first and only release
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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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== MariaDB ==

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

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

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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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Appendix: How to Apply These Terms to Your New Programs

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

<one line to give the program'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.

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) 19yy 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

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1.1592 libxfixes 1:5.0.3 1

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1.1604 sh 1.12.14

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1.1605 python 3.7.6

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

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

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

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

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Footnotes:

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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman’s lawyer has told CNRI’s lawyer that 1.6.1
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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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1.1611 react-transition-group 1.2.1

1.1612 cracklib 2.9.6-15.el8
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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.

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A copy of the GNU Lesser General Public License 2.1 is available as
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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GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
=2Dmike

Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18

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=20

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

> -----Original Message-----
> From: cracklib-devel-bounces@li...
> [mailto:cracklib-devel-bounces@li...] On Behalf Of
> Mike Frysinger
> Sent: Monday, October 01, 2007 8:15 PM
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> Subject: [Cracklib-devel] cracklib license
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unlike the old license, GPL-2 prevents people from using cracklib unless they applications are also GPL-2 which imo is just wrong. it isnt the place of library to dictact to application writes what license they should be using. thus LGPL-2.1 enters to fill this void.
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From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46

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> [mailto:cracklib-devel-bounces@li...] On Behalf Of
> Mike Frysinger
> Sent: Monday, October 01, 2007 8:33 PM
> To: Neulinger, Nathan
> Cc: cracklib-devel@li...; Alec Muffett
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> > library to dictact to application writes what license they should
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-mike

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57
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I am sympathetic. Guys, what do you reckon?

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

-a

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

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

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

Re: [Cracklib-devel] cracklib license
From: Nalin Dahyabhai <nalin@re...> - 2008-01-28 16:32
On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
> Seems like the ideal thing here would be for you and the other distro
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My apologies for not chiming in in anything resembling a reasonable timeframe.

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

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

Cheers,

Nalin

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

Attachments: Message as HTML
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the change now?

yes, go for it. thanks++

-a

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

Attachments: Message as HTML
On Sunday 05 October 2008, Alec Muffett wrote:
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Nathan Neulinger is the only one who can actually make said change ...

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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 l91Gxtpr020623
for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])
    by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311
for <nneul@neulinger.org>; Mon,  1 Oct 2007 09:59:50 -0700 (PDT)
Received: from [82.68.43.14] (hel0=[192.168.1.3])
    by rutherford.zen.co.uk with smtp (Exim 4.50)
id 11c0cX-0004Q6-6L
for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000
Mime-Version: 1.0 (Apple Message framework v752.2)
In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
References: <1190922867.3457.147.camel@localhost.localdomain>
    <EC90713277D2BE41B710CCCD74E235CEF44F38@UMR-CMAIL1.umr.edu>
    <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
Content-Type: text/plain; charset=UTF-8; delsp=yes; format=flowed
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFEBE6E9F@crypticide.com>
Content-Transfer-Encoding: 7bit
From: Alec Muffett <alecm@crypticide.com>
Subject: Re: cracklib license
Date: Mon, 1 Oct 2007 17:59:46 +0100
To: Nathan Neulinger <nneul@neulinger.org>
X-Mailer: Apple Mail (2.752.2)
X-Originating-Rutherford-IP: [82.68.43.14]
Return-Path: alecm@crypticide.com
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]
Status: RO
Content-Length: 585
Any chance you could write me a self-contained email stating clearly that the license is being changed to GPL, so I could include that email in the repository and clean up the repository/tarballs? I have all the original discussion, but something succinct and self contained would be ideal.

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

Happy now? :-)

-a

----------
EFFECTIVE OCT 2008, LICENSE IS BEING CHANGED TO LGPL-2.1 (though not reflected in released code until Nov 2009 - slow release cycle...)
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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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University of Missouri - Rolla Phone: (573) 341-6679  
UMR Information Technology Fax: (573) 341-4216

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> [mailto:cracklib-devel-bounces@li...] On Behalf Of
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Attachments: Message as HTML

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

Happy now? :-)

-a

1.1613 webencodings 0.5.1

1.1614 filelock 3.0.12

1.1615 azure-cosmos 3.1.0

1.1615.1 Available under license:

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1.1616 libunwind 1.2.1-8
1.1616.1 Available under license:

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1.1617 libssqlite 3.27.2-3
1.1617.1 Available under license:

Format: https://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
Upstream-Name: sqlite3
Source: https://www.sqlite.org/cgi/src/dir?ci=trunk

Files: *
Copyright: D. Richard Hipp <drh@hwaci.com>
License: public-domain
The files listed have been put on the public domain by the sqlite3

---

Open Source Used In Cisco Container Platform 6.1.040056
contributes.

Files: debian/*
Copyright: 2006- Laszlo Boszormenyi (GCS) <gcs@debian.org>,
2005-2006 Tomas Fasth <tomfa@debian.org>,
2001-2005 Andreas Rottmann <rotty@debian.org>
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by the Free Software Foundation.

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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
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51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

On Debian systems, the full text of the GNU General Public License
version 2 can be found in the file `/usr/share/common-licenses/GPL-2'
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.

1.1618 underscore 1.9.2
1.1618.1 Available under license:

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@heading Vincent Rijmen, Antoon Bosselaers, Paulo Barreto

AES in libhcrypto

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rijndael-alg-fst.c

@version 3.0 (December 2000)

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

@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
@author Paulo Barreto <paulo.barreto@terra.com.br>

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DES core in libhcrypto

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D3DES (V5.09) -

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

(GEnie : OUTER; CIS : [71755,204]) Graven Imagery, 1992.

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

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

Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18

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-- Nathan
=20

------------------------------------------------------------
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University of Missouri - Rolla Phone: (573) 341-6679
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> -----Original Message-----
> From: cracklib-devel-bounces@li...
> [mailto:cracklib-devel-bounces@li...] On Behalf Of
> Mike Frysinger
> Sent: Monday, October 01, 2007 8:15 PM
> To: cracklib-devel@li...
> Subject: [Cracklib-devel] cracklib license
>
> looks like 2.8.11 is out and marked as "GPL-2" ... releasing
> libraries under
> GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
> -mike

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

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> it was enough to just get it consistent and documented as to what it was
> released under. This wasn't actually a license change, just a
> clarification of the licensing that was already in place.

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

unlike the old license, GPL-2 prevents people from using cracklib unless th=
eir
applications are also GPL-2 which imo is just wrong. it isn't the place of =
a
library to dictate to application writes what license they should be using.=
thus LGPL-2.1 enters to fill this void.
=2Dmike

Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46

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

-- Nathan
-----Original Message-----
From: cracklib-devel-bounces@li...[mailto:cracklib-devel-bounces@li...]
On Behalf Of Mike Frysinger
Sent: Monday, October 01, 2007 8:33 PM
To: Neulinger, Nathan
Cc: cracklib-devel@li...; Alec Muffett
Subject: Re: [Cracklib-devel] cracklib license

On Monday 01 October 2007, Neulinger, Nathan wrote:
> I understand that, and you're welcome to bring it up with Alec
directly
> and see if he wants to relicense his code as LGPL... but at this
point,
> it was enough to just get it consistent and documented as to what
it was
> released under. This wasn't actually a license change, just a
clarification of the licensing that was already in place.

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

unlike the old license, GPL-2 prevents people from using cracklib
unless their
applications are also GPL-2 which imo is just wrong. it isn't the
place of a
library to dictate to application writes what license they should
be using.
thus LGPL-2.1 enters to fill this void.
-mike

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57
> Seems like the ideal thing here would be for you and the other distro
maintainers to get together with Alec in a conversation and come to a
decision as to what licensing scheme y'all want. I haven't really done
much other than cleaning up the packaging and patches and a small
bit of
> additional code, so whatever licensing y'all come up with is fine
> by me.

I am sympathetic. Guys, what do you reckon?

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

-a

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

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

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

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

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

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

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

Cheers,

Nalin

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

Attachments: Message as HTML
On Monday 28 January 2008, Nalin Dahyabhai wrote:
> On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
> >> >> Seems like the ideal thing here would be for you and the other distro
> >> >> maintainers to get together with Alec in a conversation and come to a
> >> >> decision as to what licensing scheme y'all want. I haven't really done
> >> >> much other than cleaning up the packaging and patches and a small
> >> >> bit of
> >> >> additional code, so whatever licensing y'all come up with is fine
> >> >> by me.
> >> >
> >> > I am sympathetic. Guys, what do you reckon?
> >> >
> >> > What I am hearing so far is that LGPL makes sense, since it can be
> >> > linked with any code, not just GPL....
> >
> > My apologies for not chiming in in anything resembling a reasonable
> > timeframe.
> >
> > I'd also suggest the LGPL, for the reason you noted above. Alternately,
> > GPLv2 with the option of using the library under a later version of the
> > GPL would permit applications which were released under version 3 of the
> > GPL to use the library, too, which would be sufficient for the packages
> > which are included in Fedora. FWIW, I'd personally lean toward LGPL.
> >
> > In any case, I thank you both for working on sorting this out.

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

-mike

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2008-10-05 23:18
In any case, I thank you both for working on sorting this out.

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

yes. go for it. thanks++

-a

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

 Attachments: Message as HTML
On Sunday 05 October 2008, Alec Muffett wrote:

> In any case, I thank you both for working on sorting this out.
> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we
> make the change now?
>
> yes. go for it. thanks++

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

-mike

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

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

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

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

----------------------------------
From alecm@crypticide.com Mon Oct  1 12:26:03 2007
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft
> Open Source Used In Cisco Container Platform 6.1.040080

> Any chance you could write me a self-contained email stating clearly
> that the license is being changed to GPL, so I could include that
> email
> in the repository and clean up the repository/tarballs? I have all the
> original discussion, but something succinct and self contained
> would be
> ideal.

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

Happy now? :-)

-a

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Version 2.1, February 1999

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

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strategy to use in any particular case, based on the explanations
below.

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it in new free programs; and that you are informed that you can do
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rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

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

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

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

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

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

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in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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^L

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

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

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

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit
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You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

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

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

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

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

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

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

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

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

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

That's all there is to it!

----------
EFFECTIVE OCT 2008, LICENSE IS BEING CHANGED TO LGPL-2.1 (though not reflected
in released code until Nov 2009 - slow release cycle...)
----------
Discussion thread from mailing list archive, with approval from everyone actively involved or holding original licensing rights included.

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

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

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

-- Nathan
=20
Nathan Neulinger EMail: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
UMR Information Technology Fax: (573) 341-4216

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

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

Attachments: Message as HTML
On Monday 01 October 2007, Neulinger, Nathan wrote:
> I understand that, and you're welcome to bring it up with Alec directly
> and see if he wants to relicense his code as LGPL... but at this point,
> it was enough to just get it consistent and documented as to what it was
> released under. This wasn't actually a license change, just a
> clarification of the licensing that was already in place.

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

unlike the old license, GPL-2 prevents people from using cracklib unless th=
eir=20
applications are also GPL-2 which imo is just wrong. it isn't the place of =
a=20
library to dictact to application writes what license they should be using.=
=20
thus LGPL-2.1 enters to fill this void.
=2Dmike

Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46
Seems like the ideal thing here would be for you and the other distro
maintainers to get together with Alec in a conversation and come to a
decision as to what licensing scheme y'all want. I haven't really done
much other than cleaning up the packaging and patches and a small bit of
additional code, so whatever licensing y'all come up with is fine by me.

-- Nathan
=20
------------------------------------------------------------
Nathan Neulinger EMail: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----
> From: cracklib-devel-bounces@li...
> [mailto:cracklib-devel-bounces@li...] On Behalf Of
> Mike Frysinger
> Sent: Monday, October 01, 2007 8:33 PM
> To: Neulinger, Nathan
> Cc: cracklib-devel@li...; Alec Muffett
> Subject: Re: [Cracklib-devel] cracklib license
>=20
> On Monday 01 October 2007, Neulinger, Nathan wrote:
> > I understand that, and you're welcome to bring it up with Alec
Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57
> Seems like the ideal thing here would be for you and the other distro
> maintainers to get together with Alec in a conversation and come to a
> decision as to what licensing scheme y'all want. I haven't really done
> much other than cleaning up the packaging and patches and a small
> bit of
> additional code, so whatever licensing y'all come up with is fine
> by me.

I am sympathetic. Guys, what do you reckon?

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

-a

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

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

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

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

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

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

Cheers,

Nalin

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

Attachments: Message as HTML
On Monday 28 January 2008, Nalin Dahyabhai wrote:
> On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
Seems like the ideal thing here would be for you and the other distro maintainers to get together with Alec in a conversation and come to a decision as to what licensing scheme y'all want. I haven't really done much other than cleaning up the packaging and patches and a small bit of additional code, so whatever licensing y'all come up with is fine by me.

I am sympathetic. Guys, what do you reckon?

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

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

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

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

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

-mike

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

-a

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

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

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

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

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

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

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

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

From alecm@crypticide.com Mon Oct 1 12:26:03 2007
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
  Mon, 1 Oct 2007 12:26:03 -0500
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
  Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu (131.151.1.43)
  by scanin-ipvs.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])
  by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id 191Gxtrp020623
  for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])
  by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311
  for <nneul@neulinger.org>; Mon, 1 Oct 2007 09:59:50 -0700 (PDT)
Received: from [82.68.43.14] (helo=[192.168.1.3])
  by rutherford.zen.co.uk with esmtp (Exim 4.50)
  id 11cOcX-0004Qt-6L
> > ---------- Forwarded message ----------
> > From: Neulinger, Nathan <nneul@umr.edu>
> > Date: Sep 27, 2007 2:58 PM
> > Subject: RE: cracklib license
> > To: alecm@crypto.dircon.co.uk
> > 
> > Any chance you could write me a self-contained email stating clearly
> > that the license is being changed to GPL, so I could include that
> > email
> > in the repository and clean up the repository/tarballs? I have all the
> > original discussion, but something succinct and self contained
> > would be
> > ideal.
> 
> The license for my code in the Cracklib distribution is henceforth GPL.
> 
> Happy now? :-)
> 
> -a

1.1622 libdb 5.3.28-12+deb9u1
1.1622.1 Available under license:

This package was debianized by Clint Adams <schizo@debian.org> on Wed, 25 Jul 2007 20:37:51 +0700

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It was downloaded from <http://www.ch-werner.de/sqliteodbc/>

Upstream Author: Christian Werner <chw@ch-werner.de>

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dns.c - Recursive, Reentrant DNS Resolver.

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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"
}
tomb - support for clean goroutine termination in 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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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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==========================

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
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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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Mersenne Twister
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The `random' module includes code based on a download from `http://www.math.keio.ac.jp/~matumoto/MT2002/emt19937ar.html'. The following are the verbatim comments from the original code:

   A C-program for MT19937, with initialization improved 2002/1/26.
   Coded by Takuji Nishimura and Makoto Matsumoto.
Before using, initialize the state by using init_genrand(seed) or init_by_array(init_key, key_length).

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Any feedback is very welcome.
http://www.math.keio.ac.jp/matumoto/emt.html
email: matumoto@math.keio.ac.jp

Sockets
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The `socket` module uses the functions, `getaddrinfo`, and `getnameinfo`, which are coded in separate source files from the WIDE Project, `http://www.wide.ad.jp/about/index.html`.

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

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1.1630 python-minimal 3.7.3-1
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This package was put together by Klee Dienes <klee@debian.org> from sources from ftp.python.org:/pub/python, based on the Debianization by the previous maintainers Bernd S. Brentrup <bsb@uni-muenster.de> and Bruce Perens.

Current maintainer is Matthias Klose <doko@debian.org> until the final 2.3 version is released.

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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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py3compile, py3clean and debpython module:
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1.1631 liblz4-1 0.0~r131-2ubuntu3

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Upstream-Name: lz4
Source: https://github.com/Cyan4973/lz4

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1.1632 elastic-search 6.1.0

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Files: *

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1.1638 adduser 3.116ubuntu1

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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)
*/
/**
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- trivial database library - private includes
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Theodore Ts'o <tytso@mit.edu> on Fri Dec 14 22:24:35 EST 2007

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

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#
# This 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)/$(BSD_LIB)
@-$(LD_CONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)
/*

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*/

This is the Debian GNU/Linux prepackaged version of the Common Error Description library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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

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

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Gadi Oxman, August 1995

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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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<signature of Ty Coon>, 1 April 1989
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This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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Index: tdbsa/tdb.c
===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
 */
/*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

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

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

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Upstream Author: Theodore Ts'o <tytso@mit.edu>

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Theodore Ts'o
23-June-2007

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This is the Debian GNU/Linux prepackaged version of the ss command-line interface parsing library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
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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 package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

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This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
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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) .
1.1647 libpcre 2:8.39-3

1.1647.1 Available under license:

PCRE LICENCE

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End

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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

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Written by: Philip Hazel
Email local part: ph10
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PCRE JUST-IN-TIME COMPILATION SUPPORT

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Written by: Zoltan Herczeg
Email local part: hzmester
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1.1648 libsepol 2.9 1.el8

1.1648.1 Available under license:

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must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.
If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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

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

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

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

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@heading Vincent Rijmen, Antoon Bosselaers, Paulo Barreto

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rijndael-alg-fst.c

@version 3.0 (December 2000)

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

@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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(GEnie : OUTER; CIS : [71755,204]) Graven Imagery, 1992.

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

That's all there is to it!

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Protocol Buffers for Go with Gadgets

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

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

Stephen,

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Regards, Juan

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* Subject: Re: OpenLDAP Licenseing issues
* From: "Kurt D. Zeilenga" <Kurt@OpenLDAP.org>
* Date: Wed, 28 May 2003 10:55:44 -0700
* Cc: Steve Langasek <vorlon@netexpress.net>,debian-legal@lists.debian.org, openldap-devel@OpenLDAP.org
* In-reply-to: <20030528162613.GB8524@ns.snowman.net>
* Message-id: <5.2.0.9.0.20030528094229.02924780@127.0.0.1>
* Old-return-path: <Kurt@OpenLDAP.org>

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1.1672 libxcb-present0 1.13.1-2

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1.1673 react-router 4.3.1

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1.1674 openssh 1:7.6p1-4ubuntu0.3

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* @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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1.1675 libblkid 2.23.2-61.el7
1.1675.1 Available under license :
Initialize empty image
f1c9645dbc14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57c721e38d1266c2dc055067c18f2cf9 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
Create 2st primary partition
1bebf87248e05d6e4e62b749da65d023 bsd.img
Set 2nd partition type
2d8e8dff51a88a045db233418dd73fbe bsd.img

---layout---------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

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  [fsise 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):

---layout---------

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 [fs size bsize cpg]
a: 4096 6144 2049 4.2BSD 0 0 0
c: 4096 20479 16384 unused 0 0
d: 0 16064 16065 unused 0 0

BSD disklabel command (m for help):
Command (m for help):
--------------

Changes will remain in memory only, until you decide to write them. Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
0 unused 5 4.1BSD 9 4.4LFS d boot
1 swap 6 Eighth Edition a unknown e ADOS
2 Version 6 7 4.2BSD b HPFS f HFS
3 Version 7 8 MS-DOS c ISO-9660 10 AdvFS
4 System V

BSD disklabel command (m for help):
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size: 8388608, sector size: 512, PT: dos, offset: 446, id=0x8f8378c0
---
#1: 32 7648 0x83
#2: 7680 8704 0xa5
#5: 7936 4864 0x7 (freebsd)
#6: 12544 3584 0x7 (freebsd)
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package github

import (
    "context"
    "fmt"
)

// LicensesService handles communication with the license related methods of the GitHub API.
// GitHub API docs: https://developer.github.com/v3/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:"conditions,omitempty"`
    Limitations    *[]string `json:"limitations,omitempty"`
    Body           *string   `json:"body,omitempty"
}

func (l License) String() string {
    return Stringify(l)
}

// List popular open source licenses.
//
// GitHub API docs: https://developer.github.com/v3/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
    }

    // TODO: remove custom Accept header when this API fully launches
    req.Header.Set("Accept", mediaTypeLicensesPreview)

    var licenses []*License
    resp, err := s.client.Do(ctx, req, &licenses)
    if err != nil {
        return nil, nil, err
    }

    return licenses, resp, nil
}

// Get extended metadata for one license.
//
// GitHub API docs: https://developer.github.com/v3/licenses/#get-an-individual-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
    }

    return nil, nil, err
}
if err != nil {
    return nil, nil, err
}

// TODO: remove custom Accept header when this API fully launches
req.Header.Set("Accept", mediaTypeLicensesPreview)

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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package github

import (
    "context"
    "fmt"
    "net/http"
    "reflect"
    "testing"
)

func TestLicensesService_List(t *testing.T) {
    setup()
    defer teardown()
 mux.HandleFunc("/licenses", func(w http.ResponseWriter, r *http.Request) {
    testMethod(t, r, "GET")
    testHeader(t, r, "Accept", mediaTypeLicensesPreview)
    fmt.Fprint(w, `[
        "key": "mit", "name": "MIT", "spdx_id": "MIT", "url": "https://api.github.com/licenses/mit", "featured": true
    ]`)
    licenses, _, err := client.Licenses.List(context.Background())
    if err != nil {
        t.Errorf("Licenses.List returned error: %v", err)
    }
    want := []License{
        Key: String("mit"),
        Name: String("MIT"),
        SPDXID: String("MIT"),
        URL: String("https://api.github.com/licenses/mit"),
        Featured: Bool(true),
    }
    if !reflect.DeepEqual(licenses, want) {
        t.Errorf("Licenses.List returned %+v, want %+v", licenses, want)
    }
}

 func TestLicensesService_Get(t *testing.T) {
    setup()
    defer teardown()

    mux.HandleFunc("/licenses/mit", func(w http.ResponseWriter, r *http.Request) {
        testMethod(t, r, "GET")
        testHeader(t, r, "Accept", mediaTypeLicensesPreview)
        fmt.Fprint(w, `{"key": "mit", "name": "MIT"}`)
    })
    license, _, err := client.Licenses.Get(context.Background(), "mit")
    if err != nil {
        t.Errorf("Licenses.Get returned error: %v", err)
    }
    want := &License{Key: String("mit"), Name: String("MIT")}
    if !reflect.DeepEqual(license, want) {
        t.Errorf("Licenses.Get returned %+v, want %+v", license, want)
    }
}

 func TestLicensesService_Get_invalidTemplate(t *testing.T) {
    _, _, err := client.Licenses.Get(context.Background(), "%")
    testURLParseError(t, err)
}
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1.1678 libc 2.27-3ubuntu1

1.1679 recursive-open-struct 1.0.0

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1.1680 percona-xtradb-cluster-common

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Also see the ChangeLog for even more people who have helped over the years by submitting fixes, patches and reporting bugs.

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* Small patch improving performance of in Python serialization.
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* Fixes for Solaris 10 32/64-bit confusion.
  Evan Jones <evanj@mit.edu>
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  * Optimize Java serialization of strings so that UTF-8 encoding happens only once per string per serialization call.
  * Clean up some Java warnings.
  * Fix bug with permanent callbacks that delete themselves when run.
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  Kacper Kowalik <xarthisius.kk@gmail.com>
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  William Orr <will@worrbase.com>
  * Fixed detection of sched_yield on Solaris.
  * Added atomicops for Solaris

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MySQL 5.7.28 (and later)

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To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

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

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

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

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

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

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

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

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

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

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copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

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

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

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

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

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

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

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

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

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

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

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

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Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.
This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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

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

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

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

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

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

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.
6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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

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

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

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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Preamble

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library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

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

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
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"Source code" for a work means the preferred form of the work for making
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covered only if its contents constitute a work based on 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.
   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.

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

This code has the following dependencies above and beyond the Python standard library:

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1.1691 python 3.5.3 1
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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see https://www.cwi.nl/) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

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

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation; see http://www.zope.com/). In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created
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</table>

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Mersenne Twister

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

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

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

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

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Sockets
-------

The `socket` module uses the functions, `getaddrinfo`, and `getnameinfo`, which are coded in separate source files from the WIDE Project, http://www.wide.ad.jp/.

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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion
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Original location:
https://github.com/majek/csiphash/

Solution inspired by code from:
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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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(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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medium customarily used for software interchange.

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

5. A program that contains no derivative of any portion of the
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therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library
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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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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
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with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
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that the user who changes the contents of definitions files in the
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to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the
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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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1.1702 libressl-libssl 2.7.4
1.1702.1 Available under license:

# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=5
pkgdesc="A library for high-performance 2D graphics"
url="http://www.levien.com/libart/
arch="all"
options="!check"  # No test suite.
license="LGPL-2.0+"
depends=
makedepends=
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2
"
builddir="$srcdir/libart_lgpl-$pkgver"

prepare() {
  cd "$builddir"
  update_config_sub
  default_prepare
}

build() {
  cd "$builddir"
  ./configure \\n  --build=$CBUILD \\n  --host=$CHOST \\n  --prefix=/usr
  make
}

package() {
  cd "$builddir"
  make DESTDIR="$pkgdir" install

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pkgname=py-flake8-copyright
__pkgname=flake8-copyright
pkgver=0.2.0
pkgrel=1
pkgdesc="Extension for flake8 which checks for copyrights"
url="https://github.com/savoirfairelinuxflake8-copyright"
arch="noarch"
license="MIT"
depends="flake8"
makedepends="python3-dev"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/${_pkgname}/${_pkgname}-${pkgver}.tar.gz"
builddir="$srcdir"/$_pkgname-$pkgver

build() {
    cd "$builddir"
    python3 setup.py build || return 1
}

package() {
    cd "$builddir"
    python3 setup.py install --prefix=/usr --root="$pkgdir" || return 1
}

md5sums="c6348990c6d74933bf5d5f6a55a14bdf flake8-copyright-0.2.0.tar.gz"
sha256sums="aeef26eb4d5223c9c5d101e68175fcef6d2b353bf36da688fdde2fcccfe2b73 flake8-copyright-0.2.0.tar.gz"
sha512sums="bab1bfaeed3a525ac3c7da12b1fece3a204cc69b72d05cd39560e528aff5d5b6c3b1be9570f4a977a7e2417b586e543bfa12abe256b2023c8c4993eeb90 flake8-copyright-0.2.0.tar.gz"
# Automatically generated by apkbuild-cpan, template 1
# Contributor: Valery Kartel <valery.kartel@gmail.com>
# Maintainer: Valery Kartel <valery.kartel@gmail.com>
pkgname=perl-bsd-resource
/pkgreal=BSD-Resource
pkgver=1.2911
pkgrel=0
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="http://search.cpan.org/dist/BSD-Resource/"
arch="all"
license="GPL PerlArtistic"
cpandepends=""
cpanmakedepends=""
depends="$cpandepends"
makedepends="perl-dev $cpanmakedepends"
subpackages="$pkgname-doc"
source="http://search.cpan.org/CPAN/authors/id/J/JH/JHI/$_pkgreal-$pkgver.tar.gz"
builddir="$srcdir/$_pkgreal-$pkgver"

prepare() {
    default_prepare

cd "$builddir"
    export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
    PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}
build() {
    cd "$builddir"
    export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
    make
}

cHECK() {
    cd "$builddir"
    make test
}

package() {
    cd "$builddir"
    make DESTDIR="$pkgdir" install
    find "$pkgdir" -name perllocal.pod -o -name .packlist -delete
}

sha512sums="d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16
        dfa5417f663b8065ba65f4fea16dc9262728b3b6b85  BSD-Resource-1.2911.tar.gz"
# Contributor: Carlo Landmeter <clandmeter@alpinelinux.org>
# Maintainer:
pkgname=spdx-licenses
pkgver=3.1
pkgrel=0
pkgdesc="Various data formats for the SPDX License List"
url="https://spdx.org/"
arch="noarch"
options="!check"
license="unknown"
source="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"
builddir="$srcdir/license-list-data-$pkgver"
subpackages="$pkgname-list"

_types="html json rdfa rdfnt rdfturtle rdfxml template text"

for type in $_types; do
    subpackages="$subpackages $pkgname-$type:_subpkg"
done

build() {
    cd "$builddir"
}

package() {
    mkdir -p "$pkgdir"
}

_subpkg() {

local type=${subpkgname/$pkgname-/}
pkgdesc="$pkgdesc ($type)"
install_if="$pkgname"
mkdir -p "$subpkgdir"/usr/share/spdx
cp -r "$builddir"/$type "$subpkgdir"/usr/share/spdx/
}

list() {
pkgdesc="$pkgdesc (licence list)"
mkdir -p "$subpkgdir"/usr/share/spdx
local i; for i in $builddir/text/*.txt; do
local license=${i##*/}
    echo ${license%.*} >> "$subpkgdir"/usr/share/spdx/license.lst
done
}

sha512sums="a07a6be891296ce032962aa3fea03b1f0e49f5d378b2445d3eb2b27b3a6288695ecea0baec81976c65219a25339d65944db6fc1127b8d334fc44f0baa90a1574  license-list-data-3.1.tar.gz"

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---

**1.1706 libbinutils 2.30-21ubuntu1~18.04.2**

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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-coffbdf) to use BFD for 
some low-level operations, for use with the Hitachi, 29k and Zilog
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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This package was put together by me, James Troup <james@nocrew.org>, from sources, which I obtained from:


and:

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It was previously maintained by Christopher C. Chimelis <chris@debian.org>


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

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    set yrange [0:]
    set terminal pngcairo font 'Sans, 8' lw 1 size 1400,1024
    set xtics rotate by -45
    set style histogram errorbars gap 2 lw 1
    set style fill solid border -1

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

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

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

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

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Mersenne Twister
----------------

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

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

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

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

Sockets
-------

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

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

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

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test_epoll
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--------

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Original location:
https://github.com/majek/csiphash/

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  djb (supercop/crypto_auth/siphash24/little2)
  Jean-Philippe Aumasson (https://131002.net/siphash/siphash24.c)

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

The file :file:`Python/dtoa.c`, which supplies C functions dtoa and strtod for conversion of C doubles to and from strings, is derived from the file of the same name by David M. Gay, currently available from http://www.netlib.org/fp/. The original file, as retrieved on March 16, 2009, contains the following copyright and licensing notice::

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zlib
----

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

cfuhash
--------

The implementation of the hash table used by the :mod:`tracemalloc` is based on the cfuhash project:

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libmpdec
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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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This script is compatible with the BSD install script, but was written from scratch. It can only install one file at a time, a restriction shared with many OS's install programs.
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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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making modifications to it. For a library, complete source code means
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interface definition files, plus the scripts used to control compilation
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@enumerate a
  @item The modified work must itself be a software library.

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

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

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

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

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

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

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

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

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

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

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

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1.1719 azure-mgmt-rdbms 2.0.0

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1.1720 babel-runtime 6.26.0

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1.1721 libxi 2:1.1.3-1

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1.1722 py-cparser 2.19

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Patch for Ubuntu bug #399071

Display the contents of /etc/legal as part of the MOTD, the first time the user logs in, and set a flag in the user's homedir if possible to prevent repeat displays.

Authors: Dustin Kirkland <kirkland@canonical.com>

Upstream status: Ubuntu-specific, maybe submit to Debian

Index: pam.ubuntu/modules/pam_motd/pam_motd.c
===================================================================
--- pam.ubuntu.orig/modules/pam_motd/pam_motd.c
+++ pam.ubuntu/modules/pam_motd/pam_motd.c
@@ -73,6 +73,61 @@
close(fd);
}
+int display_legal(pam_handle_t *pamh)
+{
+ int retval = PAM_IGNORE, rc;
+ char *user = NULL;
+ char *dir = NULL;
+ char *flag = NULL;
+ struct passwd *pwd = NULL;
+ struct stat s;
+ int f;
+ /* Get the user name to determine if we need to print the disclaimer */
+ rc = pam_get_item(pamh, PAM_USER, &user);
+ if (rc == PAM_SUCCESS && user != NULL && *(const char *)user != '\0')
+ {
+
PAM_MODUTIL_DEF_PRIVS(privs);
+
+
/* Get the password entry */
+
pwd = pam_modutil_getpwnam (pamh, user);
+
if (pwd != NULL)
+
{
+
if (pam_modutil_drop_priv(pamh, &privs, pwd)) {
+
pam_syslog(pamh, LOG_ERR,
+
"Unable to change UID to %d temporarily\n",
+
pwd->pw_uid);
+
retval = PAM_SESSION_ERR;
+
goto finished;
+
}
+
+
if (asprintf(&dir, "%s/.cache", pwd->pw_dir) == -1 || !dir)
+
goto finished;
+
if (asprintf(&flag, "%s/motd.legal-displayed", dir) == -1 || !flag)
+
goto finished;
+
+
if (stat(flag, &s) != 0)
+
{
+
display_file(pamh, "/etc/legal");
+
mkdir(dir, 0700);
+
f = open(flag, O_WRONLY|O_CREAT|O_EXCL,
+
S_IRUSR|S_IWUSR|S_IRGRP|S_IROTH);
+
if (f>=0) close(f);
+
}
+
+finished:
+
if (pam_modutil_regain_priv(pamh, &privs)) {
+
pam_syslog(pamh, LOG_ERR,

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+ "Unable to change UID back to %d\n", privs.old_uid);
+       retval = PAM_SESSION_ERR;
+   }
+
+   _pam_drop(flag);
+   _pam_drop(dir);
+ }
+
+ return retval;
+
+ PAM_EXTERN
+ int pam_sm_open_session(pam_handle_t *pamh, int flags,
+ int argc, const char **argv)
+ { /* Display the updated motd */
+   display_file(pamh, motd_path);
+
+   /* Display the legal disclaimer only if necessary */
+   retval = display_legal(pamh);
+   return retval;
+ }

This package was debianized by J.H.M. Dassen (Ray) jdassen@debian.org on

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1.1725 open-ldap 2.4.45+dfsg 1ubuntu1.4

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

c) Convey individual copies of the object code with a copy of the
written offer to provide the Corresponding Source. This
alternative is allowed only occasionally and noncommercially, and
only if you received the object code with such an offer, in accord
with subsection 6b.

d) Convey the object code by offering access from a designated
place (gratis or for a charge), and offer equivalent access to the
Corresponding Source in the same way through the same place at no
further charge. You need not require recipients to copy the
Corresponding Source along with the object code. If the place to
copy the object code is a network server, the Corresponding Source
may be on a different server (operated by you or a third party)
that supports equivalent copying facilities, provided you maintain
clear directions next to the object code saying where to find the
Corresponding Source. Regardless of what server hosts the
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typical or common use of that class of product, regardless of the status
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The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

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table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

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

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

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

    strnatcmp.c -- Perform 'natural order' comparisons of strings in C.
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1.1742 d3-time 1.1.0

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1.1743 concat-map 0.0.1

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1.1744 babel-helper-bindify-decorators 6.24.1

1.1745 python-httplib2 0.9.2+dfsg-1ubuntu0.1

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1.1746 libncursesw 6.1-1ubuntu1.18.04

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

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>

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

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19xx name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

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

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

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

That's all there is to it!
#!perl

=head1 NAME
copyright.t

=head1 DESCRIPTION

Tests that the latest copyright years in the top-level README file and the C<perl -v> output match each other.

If the test fails, update at least one of README and perl.c so that they match reality.

Optionally you can pass the C<--now> option to check they are at the current year. This isn't checked by default, so that it doesn't fail for people working on older releases. It should be run before making a new release.
use TestInit;
use strict;
use Config;
BEGIN { require 'test.pl' }

if ( $Config{usecrosscompile} ) {
    skip_all( "Not all files are available during cross-compilation" );
}

my ($opt) = @ARGV;
my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so
# that tests still pass for people intentionally working on older versions:
if ($opt eq '--now')
{
    my $current_year = (gmtime)[5] + 1900;
    is $v_year, $current_year, 'perl -v copyright includes current year';
    is $readme_year, $current_year, 'README copyright includes current year';
}

# Otherwise simply check that the two copyright dates match each other:
else
{
    is $readme_year, $v_year, 'README and perl -v copyright dates match';
}

done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{

    open my $readme, '<', '../README' or die "Opening README failed: $!";

    # The copyright message is the first paragraph:
    local $/ = "
    my $copyright_msg = <$readme>;

    my ($year) = $copyright_msg =~ /.*\d{4,}\b/ or die "Year not found in README copyright message $copyright_msg";


sub v_year
# returns the latest copyright year shown in perl -v
{
    my $output = runperl switches => '-v';
    my ($year) = $output =~ /copyright 1987.*\d{4,}/i
        or die "Copyright statement not found in perl -v output '$output';

    $year;
}

---
abstract: 'Build and install Perl modules'
author:
  - 'Ken Williams <kwilliams@cpan.org>'
  - "Development questions, bug reports, and patches should be sent to the\n    Module-Build mailing list at <module-build@perl.org>.'
built_requires:
  File::Temp: 0.15
  Test::Harness: 3.16
  Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: Module-Build
resources:
  MailingList: mailto:module-build@perl.org
license: http://dev.perl.org/licenses/
repository: http://github.com/dagolden/module-build/
  version: 3
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    later version, or
b) the "Artistic License"
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<one line to give the program’s name and a brief idea of what it does.>
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This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
The hypothetical commands `show w` and `show c` should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w` and `show c`; they could even be mouse-clicks or menu items—whatever suits your program.

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

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (a program to direct compilers to make passes at assemblers) written by James Hacker.

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

That's all there is to it!

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

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1.1769 libpython3-6-minimal 3.6.9-1~18.04
1.1769.1 Available under license :
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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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<td>PSF</td>
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-- vile: txtmode file-encoding=utf-8
Upstream source https://invisible-island.net/ncurses/ncurses.html
This package is used for testing builds of ncurses.

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

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1.1773 libkcrypto 1.17-3
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lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
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kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
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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.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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1.1774 sqlparse 0.3.1

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1.1775 python-jsonpointer 1.10-1

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1.1776 libjson-c3 0.12.1+ds-2

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1.1777 azure-mgmt-devtestlabs 2.2.0

1.1778 libpam-modules 1.3.1-5

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1.1779 requests-oauthlib 1.3.0

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1.1781 urllib3 1.24.3

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## Contributors

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* 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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* IPv6 url support and test coverage

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* 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.

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  * 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 <graaffatcolmingov@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

* Jesse 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 vendoring

* 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 Jesse Shapiro) <jshapiro@akamai.com>
  * Ongoing maintenance

* 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

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

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(tytso@mit.edu) before you ship. The release schedules for this
package are flexible, if you give me enough lead time.

Theodore Ts'o
23-June-2007

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Version 2, June 1991

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That's all there is to it!
This is the Debian GNU/Linux prepackaged version of the Common Error Description library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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# This is a Makefile stub which handles the creation of BSD shared libraries.
# In order to use this stub, the following makefile variables must be defined.

# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#

all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image::$(BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) \`echo $(my_dir) | sed -e 's;lib/;;'`/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$((INSTALL_PROGRAM) $(BSD_LIB) \ $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)

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Gadi Oxman, August 1995

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===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
*/
/*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

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-
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Stylistic Foundations

The Ubuntu Font Family is the first time that a libre typeface has been designed professionally and explicitly with the intent of developing a public and long-term community-based development process.

When developing an open project, it is generally necessary to have firm foundations: a font needs to maintain harmony within itself even across many type designers and writing systems. For the Ubuntu Font Family, the process has been guided with the type foundry Dalton Maag setting the project up with firm stylistic foundation covering several left-to-right scripts: Latin, Greek and Cyrillic; and right-to-left scripts: Arabic and Hebrew (due in 2011).
With this starting point the community will, under the supervision of [2]Canonical and [3]Dalton Maag, be able to build on the existing font sources to expand their character coverage. Ultimately everybody will be able to use the Ubuntu Font Family in their own written languages across the whole of Unicode (and this will take some time!).

Licensing

The licence chosen by any free software project is one of the foundational decisions that sets out how derivatives and contributions can occur, and in turn what kind of community will form around the project.

Using a licence that is compatible with other popular licences is a powerful constraint because of the [4]network effects: the freedom to share improvements between projects allows free software to reach high-quality over time. Licence-proliferation leads to many incompatible licences, undermining the network effect, the freedom to share and ultimately making the libre movement that Ubuntu is a part of less effective. For all kinds of software, writing a new licence is not to be taken lightly and is a choice that needs to be thoroughly justified if this path is taken.

Today it is not clear to Canonical what the best licence for a font project like the Ubuntu Font Family is: one that starts life designed by professionals and continues with the full range of community development, from highly commercial work in new directions to curious beginners' experimental contributions. The fast and steady pace of the Ubuntu release cycle means that an interim libre licence has been necessary to enable the consideration of the font family as part of Ubuntu 10.10 operating system release.

Before taking any decision on licensing, Canonical as sponsor and backer of the project has reviewed the many existing licenses used for libre/open fonts and engaged the stewards of the most popular licenses in detailed discussions. The current interim licence is the first step in progressing the state-of-the-art in licensing for libre/open font development.

The public discussion must now involve everyone in the (comparatively new) area of the libre/open font community; including font users, software freedom advocates, open source supporters and existing libre font developers. Most importantly, the minds and wishes of professional type designers considering entering the free software business community must be taken on board.

Conversations and discussion has taken place, privately, with individuals from the following groups (generally speaking personally on
Document embedding

One issue highlighted early on in the survey of existing font licences is that of document embedding. Almost all font licences, both free and unfree, permit embedding a font into a document to a certain degree. Embedding a font with other works that make up a document creates a "combined work" and copyleft would normally require the whole document to be distributed under the terms of the font licence. As beautiful as the font might be, such a licence makes a font too restrictive for useful general purpose digital publishing.

The situation is not entirely unique to fonts and is encountered also with tools such as GNU Bison: a vanilla GNU GPL licence would require anything generated with Bison to be made available under the terms of the GPL as well. To avoid this, Bison is published with an additional permission to the GPL which allows the output of Bison to be made available under any licence.

The conflict between licensing of fonts and licensing of documents, is addressed in two popular libre font licences, the SIL OFL and GNU GPL:

* [12]GPL Font Exception: The situation is resolved by granting an additional permission to allow documents to not be covered by the GPL. (The exception is being reviewed).

The Ubuntu Font Family must also resolve this conflict, ensuring that if the font is embedded and then extracted it is once again clearly under the terms of its libre licence.

Long-term licensing

Those individuals involved, especially from Ubuntu and Canonical, are interested in finding a long-term libre licence that finds broad favour across the whole libre/open font community. The deliberation during the past months has been on how to licence the Ubuntu Font Family in the short-term, while knowingly encouraging everyone to pursue a long-term goal.

* [13]Copyright assignment will be required so that the Ubuntu Font Family's licensing can be progressively expanded to one (or more) licences, as best practice continues to evolve within the
libre/open font community.

* Canonical will support and fund legal work on libre font licensing. It is recognised that the cost and time commitments required are likely to be significant. We invite other capable parties to join in supporting this activity.

The GPL version 3 (GPLv3) will be used for Ubuntu Font Family build scripts and the CC-BY-SA for associated documentation and non-font content: all items which do not end up embedded in general works and documents.

Ubuntu Font Licence

For the short-term only, the initial licence is the [14]Ubuntu Font License (UFL). This is loosely inspired from the work on the SIL OFL 1.1, and seeks to clarify the issues that arose during discussions and legal review, from the perspective of the backers, Canonical Ltd. Those already using established licensing models such as the GPL, OFL or Creative Commons licensing should have no worries about continuing to use them. The Ubuntu Font Licence (UFL) and the SIL Open Font Licence (SIL OFL) are not identical and should not be confused with each other. Please read the terms precisely. The UFL is only intended as an interim license, and the overriding aim is to support the creation of a more suitable and generic libre font licence. As soon as such a licence is developed, the Ubuntu Font Family will migrate to it made possible by copyright assignment in the interim. Between the OFL 1.1, and the UFL 1.0, the following changes are made to produce the Ubuntu Font Licence:

* Clarification:

2. Apply at point of distribution, instead of receipt
3. Author vs. copyright holder disambiguation (type designers are authors, with the copyright holder normally being the funder)
4. Define "Propagate" (for internationalisation, similar to the GPLv3)
5. Define "Substantially Changed"
6. Trademarks are explicitly not transferred
7. Refine renaming requirement

Streamlining:
8. Remove "not to be sold separately" clause
9. Remove "Reserved Font Name(s)" declaration

A visual demonstration of how these points were implemented can be found in the accompanying coloured diff between SIL OFL 1.1 and the Ubuntu Font Licence 1.0: [16]ofl-1.1-ufl-1.0.diff.html

References
13. https://launchpad.net/~uff-contributors

1.1788 django-extensions 2.0.7
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1.1790 testtools 2.3.0

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1.1791 readline 7.0 10.el8

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### 1.1792 cool-io 1.5.3

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@end enumerate

@if{tex}
@end if{tex}

@end if{info}

@end if{page}

@end if{center}

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@end if{page}

@heading END OF TERMS AND CONDITIONS
@end if{tex}

@if{info}
@end if{info}

@if{page}
@end if{page}

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

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@var{one line to give the program's name and a brief idea of what it does.}
Copyright (C) @var{yyyy}  @var{name of author}

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@end small{example}

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@example
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---

1.1797 dbus-python 1.2.6 1

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1.1803 vim 2:8.0.1453-1ubuntu1.3

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- GMP is no longer used, and instead we call BN code from OpenSSL
- Zlib is now external, in a library
- The make-ssh-known-hosts script is no longer included
- TSS has been removed
- MD5 is now external, in the OpenSSL library
- RC4 support has been replaced with ARC4 support from OpenSSL
- Blowfish is now external, in the OpenSSL library
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1.1818 libgdbm-compat4 1.18.1-4

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1.1827 perl 5.28.1 6
1.1827.1 Available under license:

#!perl

=head1 NAME
copyright.t

=head1 DESCRIPTION

Tests that the latest copyright years in the top-level README file and the C<perl -v> output match each other.

If the test fails, update at least one of README and perl.c so that they match reality.

Optionally you can pass the C<--now> option to check they are at the current year. This isn't checked by default, so that it doesn't fail for people working on older releases. It should be run before making a new release.

=cut

use strict;
use Config;
BEGIN { require './test.pl' }

if ( $Config{usecrosscompile} ) {
    skip_all( "Not all files are available during cross-compilation" );
}

my ($opt) = @ARGV;

my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so # that tests still pass for people intentionally working on older versions:
if ($opt eq '--now')
{
    my $current_year = (gmtime)[5] + 1900;
    is $v_year, $current_year, 'perl -v copyright includes current year';
    is $readme_year, $current_year, 'README copyright includes current year';
}

# Otherwise simply check that the two copyright dates match each other:
else
{
    is $readme_year, $v_year, 'README and perl -v copyright dates match';
}

done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{
    open my $readme, '<', '../README' or die "Opening README failed: $!";

    # The copyright message is the first paragraph:
    local $/ = "
    my $copyright_msg = <$readme>;

    my ($year) = $copyright_msg =~ /.*($year)/s
    or die "Year not found in README copyright message '$copyright_msg'";

    $year;
}

sub v_year
# returns the latest copyright year shown in perl -v
{
    my $output = runperl switches => ['-v'];
    my ($year) = $output =~ /copyright 1987.*($year)/i
    or die "Copyright statement not found in perl -v output '$output'";

    $year;
}

---
abstract: 'Build and install Perl modules'
author:
  - 'Ken Williams <kwilliams@cpan.org>'
  - "Development questions, bug reports, and patches should be sent to the
  Module-Build mailing list at <module-
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It was downloaded from http://www.graphviz.org/

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1.1836 python 3.6.7-1~18.04
1.1836.1 Available under license :
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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

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

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

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1.1837 azure-keyvault 1.1.0

1.1838 azure-mgmt-policyinsights 0.4.0

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1.1841 expat 2.2.5 3ubuntu0.2

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1.1842 babel-plugin-syntax-async-generators
6.13.0

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1.1843 libc-utils 0.7.1

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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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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{
             Key: "dvs",
             Value: "vSphere Distributed Switch",
         },
        },
    }
}

type LicenseManager struct {
    mo.LicenseManager
}

func NewLicenseManager(ref types.ManagedObjectReference) object.Reference {
    m := &LicenseManager{}
    m.Self = ref
    m.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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Protocol Buffers for Go with Gadgets

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goproperties - properties file decoder for Go

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Protocol Buffers for Go with Gadgets

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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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//
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
    Name string `json:"name,omitempty"`
    URL  string `json:"url,omitempty"`
}

1.1853 libxfont 1:2.0.3 1

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/* lib/font/fontfile/gunzip.c
   written by Mark Eichin <eichin@kitten.gen.ma.us> September 1996.
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1.1854 icu 63.1-6

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## Commands to generate dependency files
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)

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

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

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

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

## Shared library options
LD_SOOPTIONS= -Wl,-Bs symbolic

## Shared object suffix
SO = so

## Non-shared intermediate object suffix
STATIC_O = ao

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

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

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

## Bind internal references

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

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

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

## End BSD-specific setup

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1.1855.1 Available under license:
Format: https://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
Upstream-Name: curl
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Files: *
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set xtics rotate by -45
set style histogram errorbars gap 2 lw 1
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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.
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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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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

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

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

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

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gunicorn.debug

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doc/sitemap_gen.py

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util/unlink.py
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backport frop python3 Lib/test/support.py

gunicorn/selectors.py
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1.1862 regenerator-runtime 0.10.5

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2006-2008, Cyril Brulebois <cyril.brulebois@enst-bretagne.fr>

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3ubuntu2

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1.1872 libnghttp2-14 1.30.0-1ubuntu1

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```
set yrange [0:]
set terminal pngcairo font 'Sans, 8' lw 1 size 1400,1024
set xtics rotate by -45
set style histogram errorbars gap 2 lw 1
set style fill solid border -1
```

1.1873 libdrm-common 2.4.97-1

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1.1874 hostname 3.21
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1.1876 libss 1.43.4-2+deb9u1
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Index: tdbsa/tdb.c

===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
 Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
 */
 /*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
- 
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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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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 is the Debian GNU/Linux prepackaged version of the Common Error
Description library. It is currently distributed together with the EXT2 file
system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>,
from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

From the original distribution:

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

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

# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)

all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$(BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BSD_LIB).
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) `echo $(my_dir) | sed -e 's;lib/;;'"/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB)
$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)
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Version 2, June 1991

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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Fri Dec 14 22:24:35 EST 2007

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

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This is the Debian GNU/Linux prepackaged version of the static EXT2
file system consistency checker (e2fsck.static). The EXT2 utilities
were written by Theodore Ts'o <tytso@mit.edu> and Remy Card
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written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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1.1877 libzscanner1 2.6.5-3

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1.1882 urllib3 1.25.3

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# Contributions to the urllib3 project

## Creator & Maintainer
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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 <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@ibofoibi.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@ravello.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@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 vendoring

* 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

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

---

**1.1883 tox 3.12.1**

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-- vile: txtmode file-encoding=utf-8
Upstream source https://invisible-island.net/ncurses/ncurses-examples.html

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

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

Files: *
Licence: X11

Files: aclocal.m4 package
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-- vile: txtmode file-encoding=utf-8
1.1885 libkmod 24-1ubuntu3.2

1.1885.1 Available under license:

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

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1.1890 sysv-init 2.88dsf 59.10ubuntu1

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The of the start-stop-daemon

* A rewrite of the original Debian's start-stop-daemon Perl script
* in C (faster - it is executed many times during system startup).
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  margin: 0.25in 0.5in 0.25in 0.5in;
  tab-interval: 0.5in;
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  margin-bottom: 0.5em;
}
p,list {
  margin-left: 0.5in;
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digraph G {
  rankdir="LR";
  label = "label demo";
  subgraph cluster0 {
    a;
    b;
    a->b;
    label = "cluster0";
    labeljust="left";
  }
  subgraph cluster1 {
    c;
    d;
    c->d;
    label = "cluster1";
  }
}

This package was originally debianized by Stephen M Moraco <stephen@debian.org> on Fri, 31 Dec 1999 15:37:17 -0700.

It was downloaded from http://www.graphviz.org/

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  John Mocenigo, AT&T Research (Grappa)
  Stephen North, AT&T Research (dot, neato)
  Gordon Woodhull (Montage)
  and
  David Dobkin (spline-o-matic)
  Vladimir Alexiev (codegen improvements)

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The Debian packaging was started by Stephen M Moraco <stephen@debian.org> and then was taken over in late 2006 by Cyril Brulebois, placing his work under the same terms as graphviz itself.

2006-2008, Cyril Brulebois <cyril.brulebois@enst-bretagne.fr>

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  rankdir="LR";
  label = "label demo";
  labeljust="left";
  subgraph cluster0 {
    a;
    b;
    a->b;
    label = "cluster0";
    labelloc="bottom"
  }
  subgraph cluster1 {
    c;
    d;
    c->d;
    label = "cluster1";
    labelloc="top"
  }
}
1.1899 gawk 4.0.2-4.el7_3.1

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

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

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

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

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

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

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

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

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

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

6. As an exception to the Sections above, you may also 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 distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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

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

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Ty Coon, President of Vice

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Version 3, 29 June 2007

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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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d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source
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copy 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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goproperties - properties file decoder 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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mgo - MongoDB driver for Go

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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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package simulator

)

// EvalLicense is the default license    var EvalLicense = types.LicenseManagerLicenseInfo{        LicenseKey: "00000-00000-00000-00000-00000",        EditionKey: "eval",        Name:    "Evaluation Mode",
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{
        ,
    })
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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1.1909 busybox v1.31.0

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

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1.1919 xz-utils 5.2.2-1.2+b1
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====================

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- xz, xzdec, and lzmadec command line tools are in the public domain unless GNU getopt_long had to be compiled and linked in from the lib directory. The getopt_long code is under
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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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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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

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

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

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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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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
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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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== MariaDB ==

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

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

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THE BASIC LIBRARY FUNCTIONS
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University of Cambridge Computing Service,
PCRE JUST-IN-TIME COMPILATION SUPPORT
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@version 3.0 (December 2000)

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

@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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Written with Symantec's THINK (Lightspeed) C by Richard Outerbridge. Thanks to: Dan Hoey for his excellent Initial and Inverse permutation code; Jim Gillogly & Phil Karn for the DES key schedule code; Dennis Ferguson, Eric Young and Dana How for comparing notes; and Ray Lau, for humouring me on.


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

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

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

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

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

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

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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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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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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
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
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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
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lib/gssapi/mechglue/g utils.c
lib/gssapi/mechglue/g verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

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1.1951 bzip2-libs 1.0.6 13.el7
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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

1.1952 websocket-client 0.56.0

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1.1953 lsb-base 10.2019051400

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- Upstream-Name: LSB implementation package

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1.1956 pythonurllib 1.22-1ubuntu0.18.04.1

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    # Contributions to the urllib3 project

    ## Creator & Maintainer

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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 <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

* 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@ravelosystems.com>
* Allowed to skip SSL hostname verification

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

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

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

* Stanislav Vitkovskiy <stas.vitkovsky@gmail.com>
  * Added HTTPS (CONNECT) proxy support

* Stephen Holsapple <sholsapp@gmail.com>
  * Added abstraction for granular control of request fields

* Martin von Gagern <Martin.vGagern@gmx.net>
  * Support for non-ASCII header parameters

* Kevin Burke <kev@inburke.com> and Pavel Kirichenko <juanych@yandex-team.ru>
  * Support for separate connect and request timeouts

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

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

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

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

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

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

* Tahia Khan <http://tahia.tk/>
  * Added Timeout examples in docs
* Arthur Grunseid <http://grunseid.com>
  * source_address support and tests (with https://github.com/bui)

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

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

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

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

* Evgeny Kapun <abacabalbalabaca@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

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

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

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

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

* 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://evanneagher.net>
  * Bugfix related to `memoryview` usage in PyOpenSSL adapter

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

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

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

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

* Jesse Shapiro <jesse@jesseshapiro.net>
  * 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 vendoring

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

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1.1957 escape-string-regexp 1.0.5

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1.1958 d3-time-format 2.2.1

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1.1960 python 3.6.8 1~18.04.2
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History and License
 *******************

History of the software
 ========================

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

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

In May 2000, Guido and the Python core development team moved to BeOpen.com to 
form the BeOpen PythonLabs team. In October of the same year, the PythonLabs 
team moved to Digital Creations (now Zope Corporation; see 
http://www.zope.com/). In 2001, the Python Software Foundation (PSF, see 
https://www.python.org/psf/) was formed, a non-profit organization created
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All Python releases are Open Source (see https://opensource.org/ for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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Mersenne Twister

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

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

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

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

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

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

The `mod:` `xmlrpc.client` module contains the following notice::

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--------

The file :file:`Python/pyhash.c` contains Marek Majkowski' implementation of Dan Bernstein's SipHash24 algorithm. It contains the following note::

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Original location:

https://github.com/majek/csiphash/

Solution inspired by code from:

Samuel Neves (supercop/crypto_auth/siphash24/little)
djb (supercop/crypto_auth/siphash24/little2)
Jean-Philippe Aumasson (https://131002.net/siphash/siphash24.c)

strtod and dtoa
-----------------

The file :file:`Python/dtoa.c`, which supplies C functions dtoa and strtod for conversion of C doubles to and from strings, is derived from the file of the same name by David M. Gay, currently available from http://www.netlib.org/fp/. The original file, as retrieved on March 16, 2009, contains the following copyright and licensing notice::

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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
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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bzip2/libbzip2 version 1.0.6 of 6 September 2010

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1.1964 linux-kernel 4.15.0-64.73

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---

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

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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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its purpose remains meaningful.

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

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

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c) If the modified program normally reads commands interactively when
   run, you must cause it, when started running for such interactive use
   in the simplest and most usual way, to print or display an
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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

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

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This
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1.1974 babel-plugin-transform-export-extensions 6.22.0
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1.1975 ply 3.11-1

1.1976 linux-tools-4.15.0-88 4.15.0-88.88

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

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

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M. Welsh, 6 July 1996

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1.1982 libcapbin 1:2.25-1.2

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trust/session.c trust/session.h trust/frob-cert.c
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The header `<boost/mp11/mpl.hpp>`, when included, defines the necessary support infrastructure for `mp_list` and `std::tuple` to be valid.

NOTE: `mpl.hpp` is not included by `<boost/mp11.hpp>`.

This package was debianized by Vladimir Prus <ghost@cs.msu.su> on Wed, 17 July 2002, 19:27:00 +0400.

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and is distributed under the http://www.boost.org/LICENSE_1_0.txt[Boost Software License, Version 1.0]. This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser. The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM.

Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood. Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dossier@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code. Jesper Peterson (jep@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports. Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code. Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs (detlefs@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks (agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports. Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port. Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to a Motorola 88K processor running CX/UX (Harris NightHawk). Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to
nonIBM development environments (a nontrivial task).
Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.
David Chase, then at Olivetti Research, suggested several improvements.
Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the
code to save and print call stacks for leak detection on a SPARC.
Jesse Hull and John Ellis supplied the C++ interface code.
Zhong Shao performed much of the experimentation that led to the
current typed allocation facility. (His dynamic type inference code hasn't
made it into the released version of the collector, yet.)
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-- vile: txtmode file-encoding=utf-8
1.1992 ncursesbin 6.1+20181013-2+deb10u2

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

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* Date: Wed, 28 May 2003 10:55:44 -0700
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* In-reply-to: <20030528162613.GB8524@ns.snowman.net>
* Message-id: <5.2.0.9.0.20030528094229.02924780@127.0.0.1>
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If you have Invariant Sections, Front-Cover Texts and Back-Cover Texts, replace the ``with@dots{}Texts.``@: line with this:

@smallexample
@group
  with the Invariant Sections being @var{list their titles}, with
  the Front-Cover Texts being @var{list}, and with the Back-Cover Texts
  being @var{list}.
@end group
@end smallexample

If you have Invariant Sections without Cover Texts, or some other combination of the three, merge those two alternatives to suit the situation.

If your document contains nontrivial examples of program code, we recommend releasing these examples in parallel under your choice of free software license, such as the GNU General Public License, to permit their use in free software.

@c Local Variables:
@c ispell-local-pdict: "ispell-dict"
@c End:
commit ef7344f09c5ce00eb519ed14598b2a8e39e68387
Author: Joseph Myers <joseph@codesourcery.com>
Date:   Sun Dec 22 14:49:48 2013 +0000

Flatten sysdeps/unix/bsd/bsd4.4 into sysdeps/unix/bsd.

As discussed in
<https://sourceware.org/ml/libc-alpha/2012-04/msg000840.html> and
<https://sourceware.org/ml/libc-alpha/2012-04/msg000989.html>, it seems appropriate to flatten sysdeps/unix/bsd/bsd4.4 into sysdeps/unix/bsd.

The bulk of the patch is just moving files. The only other changes are:
- update paths in sysdeps/mach/hurd/Implies and
- sysdeps/unix/sysv/linux/wait3.c: merge the two syscalls.list files,
  with the removal of syscalls that were in
  sysdeps/unix/bsd/syscalls.list but overridden in the bsd4.4 directory
  by .c files there.

Tested x86_64. The installed shared libraries are identical before
and after the patch except for libc.so where the move of wait3.c
(included by sysdeps/unix/sysv/linux/wait3.c) affects debug info, but
the disassembly is unchanged.

* sysdeps/mach/hurd/Implies: Change unix/bsd/bsd4.4 to unix/bsd.
* sysdeps/unix/bsd/syscalls.list (chflags): Add entry from
sysdeps/unix/bsd/bsd4.4/syscalls.list.
(fchflags): Likewise.
(revoke): Likewise.
(setlogin): Likewise.
(sigaltstack): Likewise.
(wait4): Likewise.
(sigblock): Remove.
(sigsetmask): Likewise.
(wait3): Likewise.
(waitpid): Likewise.
* sysdeps/unix/bsd/bsd4.4/syscalls.list: Remove file.
* sysdeps/unix/bsd/bsd4.4/Makefile: Move to ...
* sysdeps/unix/bsd/Makefile: ... here.
* sysdeps/unix/bsd/bsd4.4/Versions: Move to ...
* sysdeps/unix/bsd/Versions: ... here.
* sysdeps/unix/bsd/bsd4.4/bits/socketaddr.h: Move to ...
* sysdeps/unix/bsd/bits/socketaddr.h: ... here.
* sysdeps/unix/bsd/bsd4.4/cmsg_nxthdr.c: Move to ...
* sysdeps/unix/bsd/cmsg_nxthdr.c: ... here.
* sysdeps/unix/bsd/bsd4.4/sigblock.c: Move to ...
* sysdeps/unix/bsd/sigblock.c: ... here.
* sysdeps/unix/bsd/bsd4.4/sigsetmask.c: Move to ...
* sysdeps/unix/bsd/sigsetmask.c: ... here.
* sysdeps/unix/bsd/bsd4.4/sigvec.c: Move to ...
* sysdeps/unix/bsd/sigvec.c: ... here.
* sysdeps/unix/bsd/bsd4.4/tcdrain.c: Move to ...
* sysdeps/unix/bsd/tcdrain.c: ... here.
* sysdeps/unix/bsd/bsd4.4/tcgetattr.c: Move to ...
* sysdeps/unix/bsd/tcgetattr.c: ... here.
* sysdeps/unix/bsd/bsd4.4/tcsetattr.c: Move to ...
* sysdeps/unix/bsd/tcsetattr.c: ... here.
* sysdeps/unix/bsd/bsd4.4/wait.c: Move to ...
* sysdeps/unix/bsd/wait.c: ... here.
* sysdeps/unix/bsd/bsd4.4/wait3.c: Move to ...
* sysdeps/unix/bsd/wait3.c: ... here.
* sysdeps/unix/bsd/bsd4.4/waitpid.c: Move to ...
* sysdeps/unix/bsd/waitpid.c: ... here.

diff --git a/sysdeps/mach/hurd/Implies b/sysdeps/mach/hurd/Implies
index b6063463ce34f3b7..d2d5234e1f1522 100644
--- a/sysdeps/mach/hurd/Implies
+++ b/sysdeps/mach/hurd/Implies
@@ -2,4 +2,4 @@
# Hurd-based GNU systems.

gnu
# The Hurd provides a rough superset of the functionality of 4.4 BSD.
<table>
<thead>
<tr>
<th>File Name</th>
<th>Caller</th>
<th>Syscall Name</th>
<th># Args</th>
<th>Strong Names</th>
<th>Weak Names</th>
</tr>
</thead>
<tbody>
<tr>
<td>chflags</td>
<td></td>
<td>chflags</td>
<td>2</td>
<td>chflags</td>
<td></td>
</tr>
<tr>
<td>fchflags</td>
<td></td>
<td>fchflags</td>
<td>2</td>
<td>fchflags</td>
<td></td>
</tr>
<tr>
<td>revoke</td>
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<td>revoke</td>
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<td>revoke</td>
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</tr>
<tr>
<td>setlogin</td>
<td></td>
<td>setlogin</td>
<td>2</td>
<td>setlogin</td>
<td></td>
</tr>
<tr>
<td>sigaltstack</td>
<td></td>
<td>sigaltstack</td>
<td>2</td>
<td>__sigaltstack</td>
<td>sigaltstack</td>
</tr>
<tr>
<td>wait4</td>
<td></td>
<td>wait4</td>
<td>4</td>
<td>__wait4</td>
<td>wait4</td>
</tr>
<tr>
<td>cmsg_nxthdr.c</td>
<td></td>
<td>cmsg_nxthdr</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>sigblock.c</td>
<td></td>
<td>sigblock</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>sigsetmask.c</td>
<td></td>
<td>sigsetmask</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>sigvec.c</td>
<td></td>
<td>sigvec</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

```bash
diff --git a/sysdeps/unix/bsd/bsd4.4/syscalls.list b/sysdeps/unix/bsd4.4/syscalls.list
index a4d354685424ac61..0000000000000000
--- a/sysdeps/unix/bsd/bsd4.4/syscalls.list
+++ /dev/null
@@ -1,8 +0,0 @@
-# File nameCallerSyscall name# argsStrong nameWeak names
-
-chflags-chflags2chflags
-fchflags-fchflags2fchflags
-revoke-revoke1revoke
-setlogin-setlogin2setlogin
-sigaltstack-sigaltstack2__sigaltstack\nsigaltstack
-wait4-wait44__wait4wait4
```
# File name	Caller	Syscall name	# args	Strong name	Weak names
+chflags-chflags2chflags
+fchflags-fchflags2fchflags
flock-flock2__flockflock
getdents-getdirenties4__getdirentiesgetdirenties
getdtsz-getdbasesize0__getdbasesizegetdbasesize
getpagesize-getpagesize0__getpagesizegetpagesize
kilpg-kilpg2killpg
-sigblock-sigblock1__sigblocksigblock
+revoke-revoke1revoke
+sigaltstack-sigaltstack2__sigaltstacksigaltstack
sigpause-sigpause1__sigpausesigpause
-sigsetmask-sigsetmask1__sigsetmasksigsetmask
sigstack-sigstack2sigstack

-sigvec-sigvec3__sigvecsigvec
-wait3-wait33__wait3wait3
-waitpid-waitpid3__waitpidwaitpid
+wait4-wait44__wait4wait4

diff --git a/sysdeps/unix/bsd4.4/tdrain.c b/sysdeps/unix/bsd/tdrain.c
similarity index 100%
rename from sysdeps/unix/bsd4.4/tdrain.c
to sysdeps/unix/bsd/tdrain.c
diff --git a/sysdeps/unix/bsd4.4/tcgetattr.c b/sysdeps/unix/bsd/tcgetattr.c
similarity index 100%
rename from sysdeps/unix/bsd4.4/tcgetattr.c
to sysdeps/unix/bsd/tcgetattr.c
diff --git a/sysdeps/unix/bsd4.4/tcsetattr.c b/sysdeps/unix/bsd/tcsetattr.c
similarity index 100%
rename from sysdeps/unix/bsd4.4/tcsetattr.c
to sysdeps/unix/bsd/tcsetattr.c
diff --git a/sysdeps/unix/bsd4.4/wait.c b/sysdeps/unix/bsd4.4/wait.c
similarity index 100%
rename from sysdeps/unix/bsd4.4/wait.c
to sysdeps/unix/bsd4.4/wait.c
diff --git a/sysdeps/unix/bsd4.4/wait3.c b/sysdeps/unix/bsd4.4/wait3.c
similarity index 100%
rename from sysdeps/unix/bsd4.4/wait3.c
to sysdeps/unix/bsd4.4/wait3.c
diff --git a/sysdeps/unix/bsd4.4/waitpid.c b/sysdeps/unix/bsd4.4/waitpid.c
similarity index 100%
rename from sysdeps/unix/bsd4.4/waitpid.c
to sysdeps/unix/bsd4.4/waitpid.c
+++ b/sysdeps/unix/sysv/linux/wait3.c
@@ -1 +1 @@
-#include <sysdeps/unix/bsd/bsd4.4/wait3.c>
+#include <sysdeps/unix/bsd/wait3.c>

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Version 2.1, February 1999

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

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

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This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
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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
Open Source Used In Cisco Container Platform 6.1.045887

$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)
This is the Debian GNU/Linux prepackaged version of the ss command-line interface parsing library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
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This package was added to the e2fsprogs debian source package by
Theodore Ts'o <tytso@mit.edu> on Fri Dec 14 22:24:35 EST 2007

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

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Gadi Oxman, August 1995

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--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
 Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
 /*
 */
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
- 
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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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1.2013 gawk 1:4.1.4+dfsg-1build1

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1.2014 libxcursor 1:1.1.15-1

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1.2015 django-rest-framework 3.9.4

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shutil which contains code from Python 3.3 and uses the same 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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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must
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work. (Executables containing this object code plus portions of the
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<signature of Ty Coon>, 1 April 1989
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/* nicstar.c v0.22 Javaid Bazyar (bazyar@hypermall.com)
 * nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
 * Hacked October, 1997 by Javaid Bazyar, Interlink Advertising Services Inc.
 * http://www.hypermall.com/
 * 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
 * interrupts us (except possibly for removal/insertion of the cable?)
 * 10/4/97 - began heavy inline documentation of the code. Corrected typos
 * and spelling mistakes.
 * 10/5/97 - added code to handle PHY interrupts, disable PHY on
 * loss of link, and correctly re-enable PHY when link is
 * re-established. (put back CFG_PHYIE)
 *
 * Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
 *
 * R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
 *
 * Linux driver for the IDT77201 NICStAR PCI ATM controller.
 * PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
 * see init_nicstar() for PHY initialization to change this. This driver
 * expects the Linux ATM stack to support scatter-gather lists
 * (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
 *
 * Implementing minimal-copy of received data:
* IDT always receives data into a small buffer, then large buffers
* as needed. This means that data must always be copied to create
* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
* Fix is simple: make large buffers large enough to hold entire
* SDU, and leave <small_buffer_data> bytes empty at the start. Then
* copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
* buffers. This is done by 2 things:
* 1) skb->destructor / skb->atm.recycle_buffer
*     combined, allow nicstar_free_rx_skb to be called to
*     recycle large data buffers
* 2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation
* details.
* *
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* *
* M. Welsh, 6 July 1996
* *
*/

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1.2032 atk 2.28.1 1

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1.2035 kubernetes-cni 0.7.5 00
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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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- 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 %} 

{ % method %} 

## 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 %} 

{ % method %} 

## 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 %} 

{ % method %} 

## 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 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
  }
  m.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)
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

LICENSEASSIGNMENTMANAGER {
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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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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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

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

def 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

SUBDIRECTORIES

```
.hg

= vendor/github.com/munnerz/goautoneg/README.txt a33eda65f1bc658f358e1d690c6a93d4

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* github.com/kisielk/gotool  https://github.com/kisielk/gotool

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* github.com/rogpeppe/go-internal - https://github.com/rogpeppe/go-internal

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* golang.org/x/mod/module - https://github.com/golang/mod

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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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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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## Development environment and tools
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Install the tool used to manage and build the source

```
sudo apt-get install git-buildpackage
```

### Getting the source

The official Debian package source is hosted on the Debian Gitlab server under the MariaDB/MySQL packaging team at https://salsa.debian.org/mariadb-team/. You are welcome to fork it and make merge requests.

To get the latest official Debian packaging source of mariadb-10.3, clone the source repository with all relevant branches (master, upstream, pristine-tar) to your local environment using `git-buildpackage`:

```
gbp clone --pristine-tar https://salsa.debian.org/mariadb-team/mariadb-10.3.git
```

If you have your own fork and SSH keys set up on Salsa, you can run:

```
gbp clone --pristine-tar git@salsa.debian.org:<username>/mariadb-10.3.git
```

The clone needs to be run only once. On later runs you can refresh your clone with relevant branches using

```
gbp pull --pristine-tar --force
```

### Building the packages

Build binaries, run testsuite and build Debian packages with

```
gbp buildpackage
```

On the first run `git-buildpackage` will complain if some of the build dependencies defined in `debian/control` are missing. Simply install those packages and run the build again.

A quick command to install all dependencies:

```
sudo mk-build-deps -r -i debian/control -t "apt-get -y -o Debug::pkgProblemResolver=yes --no-install-recommends"
```

If the build fails, the easiest way to clean up before a new run is

```
git clean -fdx && git reset --hard
```

### Build options

If you want to skip the mysql-test-run step (which takes a lot of time) set
the following environment variable:
export DEB_BUILD_OPTIONS="nocheck"

If you want to run the build in parallel on 2 CPUs and have verbose output:
export DEB_BUILD_OPTIONS="parallel=2 verbose"

The options above can also be combined freely to get desired behavior.

### Creating a feature or bugfix branch

The repository has the following branch layout:
* upstream - contains the upstream source releases without modifications
* pristine-tar - contains extra delta needed to re-create the original
tarballs with the exactly same SHA-1 hash as the original tarballs by upstream
* master - packaging for Debian Sid (unstable)
* jessie - release branch for Debian 8 (jessie)
* stretch - release branch for Debian 9 (stretch)
* ubuntu-16.04 - release branch for Ubuntu 16.04 (xenial)
* ubuntu-18.04 - release branch for Ubuntu 18.04 (bionic)

All new features and also bugfixes are done only in the master branch. The
release branches for Debian and Ubuntu are only used for security updates.

To prepare the Salsa pull request, create a bugfix branch from master with:
git checkout -b fix-example-name

After this you can develop with all the usual git commit and push commands
until you have in your fork at Salsa the desired change and you are ready
to open the merge request.

### Notes about how to make changes in the proper way

First consider submitting your patch upstream. Upstream MariaDB makes frequent
maintenance releases and any fix done upstream will therefore be included in
Debian relatively quickly. You can send email to the developers mailing list
or open a pull request at https://github.com/MariaDB/server.

Follow these instructions if your fix is about packaging in Debian specifically.
Start by using gitk or similar tool to browse the previous changes. Try to follow
similar pattern in your new changes.

Keep in mind that all changes must done only for files residing in the debian/
subdirectory. If you need to create changes outside the debian/ directory,
then you need to create a patch file using the same pattern as the patches
found in debian/patches and activated by a line in debian/patches/series
Do not bundle in your commit any changes to debian/changelog. The correct changelog entries will be created later by the maintainer using git-dch in an automated fashion.

For an example of a patch adding commit see https://github.com/ottok/mariadb-10.0/commit/8d2a7c909

# Using Docker

First make a working directory for the build artefacts. Inside that directory clone the repository. Then start a Docker session using whatever Debian/Ubuntu image you want with the command:

docker run -it -v ${PWD}:/build -w /build debian:sid bash

This will start a session, where you are as the root user in the path /build inside the Docker container. Here you can cd into the source directory, install dependencies and start the build. Note that when you exit the session, everything will be lost apart from the files you had inside the mounted volume in /build.

# Using sbuild

If you prefer sbuild, you can build with something like:

gbp buildpackage --git-builder=sbuild -A -v -d unstable

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*/

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 */

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#define UV_BSD_H

#define UV_PLATFORM_FS_EVENT_FIELDS                                           
  uv__io_t event_watcher;                                                     

#define UV_IO_PRIVATE_PLATFORM_FIELDS                                         
  int rcount;                                                                 
  int wcount;                                                                 

#define UV_HAVE_KQUEUE 1

#else

#endif

#define UV_BSD_H
#define UV_BSD_H

#define UV_PLATFORM_FS_EVENT_FIELDS                                           
  uv__io_t event_watcher;                                                     

#define UV_IO_PRIVATE_PLATFORM_FIELDS                                         
  int rcount;                                                                 
  int wcount;                                                                 

#define UV_HAVE_KQUEUE 1
#endif /* UV_BSD_H */

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