Open Source Used In MSX Platform Infrastructure 4.1.0

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1.3 turf-distance 3.0.12

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1.4 regex-not 1.0.2

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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
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@end enumerate

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@end ifinfo
@page
@end page

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

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@smallexample
@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 smallexample

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

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

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

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

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

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

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.
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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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

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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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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1.14 json-schema 0.3.0+~7.0.6-1

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1.15 asm 5.0.4

1.16 miekg-dns v1.1.41

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1.21 fsnotify 20191030-snapshot
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1.22 @babel/plugin-transform-classes 7.3.4
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1.23 to-regex 3.0.1

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1.25 babel-preset-react 6.24.1

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1.27 json-iterator-go v1.1.7
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1.28 @types/normalize-package-data 2.4.0

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1.29 opencensus v0.23.0

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1.30 node-inherits 2.0.4-1

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1.31 go-testing-interface v1.14.0

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1.32 nfv-bu-go-msx v0.3.21

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package populate

import (
    "context"
    "cto-github.cisco.com/NFV-BU/go-msx/config"
    api "cto-github.cisco.com/NFV-BU/go-msx/integration/usermanagement"
    "cto-github.cisco.com/NFV-BU/go-msx/log"
    "cto-github.cisco.com/NFV-BU/go-msx/paging"
    "cto-github.cisco.com/NFV-BU/go-msx/populate"
    "cto-github.cisco.com/NFV-BU/go-msx/resource"
    "cto-github.cisco.com/NFV-BU/go-msx/security/service"
    "github.com/pkg/errors"
    "net/http"
    "path"
)

const (
    permissionsPopulatorConfigRoot = "populate.usermanagement.permission"
    manifestFile                   = "manifest.json"
)

var logger = log.NewLogger("msx.integration.usermanagement.populate")

type manifest struct {
    Owner               string               `json:"owner"`
    DeletedCapabilities []string             `json:"deletedCapabilities"`
    Capabilities        []capabilityArtifact `json:"capabilities"`
    DeletedRoles        []string             `json:"deletedRoles"`
    Roles               []roleArtifact       `json:"roles"`
}

type capabilityArtifact struct {
    Name        string `json:"name"`
    DisplayName string `json:"displayName"`
    Description string `json:"description"`
    Category    string `json:"category"`
    Operation   string `json:"operation"`
    ObjectName  string `json:"objectName"`
    Owner       string `json:"owner"`
    IsDefault   bool   `json:"isDefault,omitempty"`
}

type roleArtifact struct {
    RoleName       string `json:"roleName"`
    CapabilityList []string `json:"capabilitylist"`
}
type roleMap map[string]api.RoleResponse

type PermissionPopulatorConfig struct {
    Enabled bool `config:"default=false"`
    Root    string `config:"default=${populate.root}/usermanagement"`
}

func NewPermissionPopulatorConfigFromConfig(cfg *config.Config) (*PermissionPopulatorConfig, error) {
    var populatorConfig PermissionPopulatorConfig
    if err := cfg.Populate(&populatorConfig, permissionsPopulatorConfigRoot); err != nil {
        return nil, err
    }
    return &populatorConfig, nil
}

type PermissionPopulator struct {
    cfg PermissionPopulatorConfig
}

func (p PermissionPopulator) depopulateCapability(ctx context.Context, idm api.Api, owner string, name string) error {
    logger.WithContext(ctx).Infof("Removing capability %q", name)
    response, err := idm.DeleteCapability(true, owner, name)
    if err != nil {
            logger.WithContext(ctx).Warnf("Capability %q not found.", name)
            return nil
        }
        return errors.Wrapf(err, "Failed to remove capability %q", name)
    }
    return nil
}

func (p PermissionPopulator) populateCapability(ctx context.Context, idm api.Api, owner string, capability *api.CapabilityArtifact) error {
    logger.WithContext(ctx).Infof("Removing capability %q", capability.Name)
    _, err := idm.BatchUpdateCapabilities(true, owner, []api.CapabilityUpdateRequest{
        {Category: capability.Category, Description: capability.Description, DisplayName: capability.DisplayName,}
    })
Name: capability.Name,
ObjectName: capability.ObjectName,
Operation: capability.Operation,
}
)

if err != nil {
    return errors.Wrapf(err, "Failed to update capability %q", capability.Name)
}

return nil
}

func (p PermissionPopulator) depopulateRole(ctx context.Context, idm api.Api, name string, roleMap roleMap) error {
    logger.WithContext(ctx).Infof("Removing role %q", name)

    if _, ok := roleMap[name]; !ok {
        logger.WithContext(ctx).Warnf("Role %s already deleted", name)
        return nil
    }

    response, err := idm.DeleteRole(name)
    if err != nil {
            logger.WithContext(ctx).Warnf("Role %q not found.", name)
            return nil
        }
    }

    return errors.Wrap(err, "Failed to remove role %q", name)
}

func (p PermissionPopulator) populateRole(ctx context.Context, idm api.Api, owner string, role roleArtifact, roleMap roleMap) (err error) {
    if _, ok := roleMap[role.RoleName]; ok {
        logger.WithContext(ctx).Infof("Updating existing role %q", role.RoleName)
        _, err = idm.UpdateRole(true, api.RoleUpdateRequest{
            CapabilityList: role.CapabilityList,
            Owner:          roleMap[role.RoleName].Owner,
            RoleName:       role.RoleName,
        })
    } else {
        logger.WithContext(ctx).Infof("Creating new role %q", role.RoleName)
        _ = idm.UpdateRole(true, api.RoleUpdateRequest{
            CapabilityList: role.CapabilityList,
            Owner:          roleMap[role.RoleName].Owner,
            RoleName:       role.RoleName,
        })
    }
    return
}
_, err = idm.CreateRole(true, api.RoleCreateRequest{
    CapabilityList: role.CapabilityList,
    Owner:          owner,
    RoleName:       role.RoleName,
})

if err != nil {
    return errors.Wrapf(err, "Failed to populate role %q", role.RoleName)
}

return nil

func (p PermissionPopulator) getRoles(ctx context.Context, idm api.Api) (roleMap, error) {
    response, err := idm.GetRoles(true, paging.Request{Page: 0, Size: 1000})
    if err != nil {
        return nil, err
    }

    roleListResponse, ok := response.Payload.(*api.RoleListResponse)
    if !ok {
        return nil, errors.New("Unable to parse IDM role list response")
    }

    var result = make(map[string]api.RoleResponse)
    for _, role := range roleListResponse.Roles {
        result[role.RoleName] = role
    }

    return result, nil
}

func (p PermissionPopulator) Populate(ctx context.Context) error {
    if !p.cfg.Enabled {
        logger.WithContext(ctx).Warn("Role/Capability populator disabled.")
        return nil
    }

    return service.WithDefaultServiceAccount(ctx, func(ctx context.Context) error {

        var manifest manifest
        err := resource.
            Reference(path.Join(p.cfg.Root, manifestFile)).
            Unmarshal(&manifest)
        if err != nil {
            return err
        }

        return nil
    })
}
idm, _ := api.NewIntegration(ctx)
roleMap, err := p.getRoles(ctx, idm)
if err != nil {
    return errors.Wrap(err, "Failed to retrieve role list")
}
logger.WithContext(ctx).Info("Populating capabilities")

for _, name := range manifest.DeletedCapabilities {
    err = p.depopulateCapability(ctx, idm, manifest.Owner, name)
    if err != nil {
        return err
    }
}

for _, capability := range manifest.Capabilities {
    err = p.populateCapability(ctx, idm, manifest.Owner, capability)
    if err != nil {
        return err
    }
}
logger.WithContext(ctx).Info("Populating roles")

for _, role := range manifest.Roles {
    err = p.populateRole(ctx, idm, manifest.Owner, role, roleMap)
    if err != nil {
        return err
    }
}

for _, name := range manifest.DeletedRoles {
    err = p.depopulateRole(ctx, idm, name, roleMap)
}
return nil
}

func init() {
populate.RegisterPopulationTask(
populate.NewPopulatorTask(
    "Populate roles and capabilities",
    1000,
    []string{"all", "customRolesAndCapabilities", "serviceMetadata"},
    func(ctx context.Context) (populate.Populator, error) {
        cfg, err := NewPermissionPopulatorConfigFromConfig(config.MustFromContext(ctx))
        if err != nil {
            return nil,
        } else {
            return &PermissionPopulator{...}
        }
    }
})
}
return nil, err
}
return &PermissionPopulator{
    cfg: *cfg,
}, nil
})
}
}
package rbac

import (
    "context"
    "cto-github.cisco.com/NFV-BU/go-msx/security"
    "github.com/pkg/errors"
    )

const ( PermissionIsApiAdmin = "IS_API_ADMIN"
PermissionAccessAllTenants = "ACCESS_ALL_TENANTS"
PermissionViewServices = "VIEW_SERVICES"
PermissionManageServices = "MANAGE_SERVICES"
PermissionViewContact = "VIEW_CONTACT"
PermissionManageContact = "MANAGE_CONTACT"
PermissionViewLocaleString = "VIEW_LOCALE_STRING"
PermissionManageLocaleString = "MANAGE_LOCALE_STRING"
PermissionViewIntegration = "VIEW_INTEGRATION"
PermissionManageIntegration = "MANAGE_INTEGRATION"
PermissionViewMaintenanceInfo = "VIEW_MAINTENANCE_INFO"
PermissionManageMaintenanceInfo = "MANAGE_MAINTENANCE_INFO"
PermissionViewMetadata = "VIEW_METADATA"
PermissionManageMetadata = "MANAGE_METADATA"
PermissionViewScheduledTask = "VIEW_SCHEDULE_TASK"
PermissionManageScheduledTask = "MANAGE_SCHEDULE_TASK"
PermissionViewTenantScheduledTask = "VIEW_TENANT_SCHEDULE_TASK"
PermissionManageTenantScheduledTask = "MANAGE_TENANT_SCHEDULE_TASK"
PermissionViewBulkImport = "VIEW_BULK_IMPORT"
PermissionManageBulkImport = "MANAGE_BULK_IMPORT"
PermissionViewAlertService = "VIEW_ALERT_SERVICE"
PermissionManageAlertService = "MANAGE_ALERT_SERVICE"
PermissionViewThemes = "VIEW_THEMES"
PermissionManageThemes = "MANAGE_THEMES"
PermissionViewSlf = "VIEW_SLM"
PermissionManageSlf = "MANAGE_SLM"
PermissionViewNotification = "VIEW_NOTIFICATION"
PermissionManageNotification = "MANAGE_NOTIFICATION"
PermissionViewRegion = "VIEW_REGION"
PermissionManageRegion = "MANAGE_REGION"
PermissionViewVpn = "VIEW_VPN"
PermissionManageVpn = "MANAGE_VPN"
var ErrUserDosNotHavePermission = errors.New("User does not have any of the required permissions")

func HasPermission(ctx context.Context, required []string) error {
    loggerWithContext(ctx).Debugf("Verifying permissions %q", required)

    userContextDetails, err := security.NewUserContextDetails(ctx)
    if err != nil {
        return err
    }

    permissions := userContextDetails.Permissions

    // bypass permission check if user has permission: IS_API_ADMIN
    for _, permission := range permissions {
        if PermissionIsApiAdmin == permission {
            return nil
        }
    }

    for _, p := range required {
        for _, permission := range permissions {
            if p == permission {
                return nil
            }
        }
    }

    return ErrUserDosNotHavePermission
}

func HasAccessAllTenants(ctx context.Context) (bool, error) {
    err := HasPermission(ctx, []string{PermissionAccessAllTenants})
if err == ErrUserDoesNotHavePermission {
    return false, nil
}
if err == nil {
    return true, nil
}
return false, err
}

package securitytest

import (
    "context"
    "cto-github.cisco.com/NFV-BU/go-msx/security"
    "cto-github.cisco.com/NFV-BU/go-msx/types"
)

var DefaultUserId = types.MustParseUUID("67f9b089-532e-4b54-9a06-8e4eade2114e")
var DefaultTenantId = types.MustParseUUID("960272b3-e800-43e6-86ce-7d51672bd80d")
var DefaultProviderId = types.MustParseUUID("30b62544-860e-42fb-93ba-bc7e771d6f61")
var DefaultRootTenantId = types.MustParseUUID("9f7972d0-ea58-4562-aa62-3dc480ae759b")

type MockTokenDetailsProvider struct {
    UserName     string
    UserId       types.UUID
    ClientId     string
    Active       bool
    TenantId     types.UUID
    TenantName   string
    ProviderId   types.UUID
    ProviderName string
    Roles        []string
    Permissions  []string
    Tenants      []types.UUID
}

func (m *MockTokenDetailsProvider) WithUserName(userName string) *MockTokenDetailsProvider {
    m.UserName = userName
    return m
}

func (m *MockTokenDetailsProvider) WithUserId(userId types.UUID) *MockTokenDetailsProvider {
    m.UserId = userId
    return m
}

func (m *MockTokenDetailsProvider) WithClientId(clientId string) *MockTokenDetailsProvider {
    m.ClientId = clientId
}
func (m *MockTokenDetailsProvider) WithActive(active bool) *MockTokenDetailsProvider {
    m.Active = active
    return m
}

func (m *MockTokenDetailsProvider) WithTenantId(tenantId types.UUID) *MockTokenDetailsProvider {
    m.TenantId = tenantId
    return m
}

func (m *MockTokenDetailsProvider) WithTenantName(tenantName string) *MockTokenDetailsProvider {
    m.TenantName = tenantName
    return m
}

func (m *MockTokenDetailsProvider) WithProviderId(providerId types.UUID) *MockTokenDetailsProvider {
    m.ProviderId = providerId
    return m
}

func (m *MockTokenDetailsProvider) WithProviderName(providerName string) *MockTokenDetailsProvider {
    m.ProviderName = providerName
    return m
}

func (m *MockTokenDetailsProvider) WithRole(roleName string) *MockTokenDetailsProvider {
    roles := types.StringStack(m.Roles)
    if !roles.Contains(roleName) {
        m.Roles = append(m.Roles, roleName)
    }
    return m
}

func (m *MockTokenDetailsProvider) WithoutRole(roleName string) *MockTokenDetailsProvider {
    var roles []string
    for _, role := range m.Roles {
        if role != roleName {
            roles = append(roles, role)
        }
    }
    m.Roles = roles
    return m
}

func (m *MockTokenDetailsProvider) WithPermission(permissionName string) *MockTokenDetailsProvider {
    var roles []string
    for _, role := range m.Roles {
        if role != permissionName {
            roles = append(roles, role)
        }
    }
    m.Roles = roles
    return m
}
permissions := types.StringStack(m.Permissions)
if !permissions.Contains(permissionName) {
  m.Permissions = append(m.Permissions, permissionName)
}
return m
}

func (m *MockTokenDetailsProvider) WithoutPermission(permissionName string) *MockTokenDetailsProvider {
  var permissions []string
  for _, permission := range m.Permissions {
    if permission != permissionName {
      permissions = append(permissions, permission)
    }
  }
  m.Permissions = permissions
  return m
}

func (m *MockTokenDetailsProvider) WithTenantAssociation(tenantId types.UUID) *MockTokenDetailsProvider {
  for _, tenant := range m.Tenants {
    if tenant.Equals(tenantId) {
      return m
    }
  }
  m.Tenants = append(m.Tenants, tenantId)
  return m
}

func (m *MockTokenDetailsProvider) WithoutTenantAssociation(tenantId types.UUID) *MockTokenDetailsProvider {
  for n, tenant := range m.Tenants {
    if tenant.Equals(tenantId) {
      m.Tenants = append(m.Tenants[:n], m.Tenants[n+1:]...)
      break
    }
  }
  return m
}

func (m *MockTokenDetailsProvider) TokenDetails(_ context.Context) (*security.UserContextDetails, error) {
  return &security.UserContextDetails{
    Active: m.Active,
    ClientId: &m.ClientId,
    Username: &m.UserName,
    UserId: m.UserId,
    Roles: m.Roles,
    Permissions: m.Permissions,
  }
}
func (m *MockTokenDetailsProvider) IsTokenActive(_ context.Context) (bool, error) {
    return m.Active, nil
}

func (m *MockTokenDetailsProvider) Inject(ctx context.Context) context.Context {
    return security.ContextWithTokenDetailsProvider(ctx, m)
}

func NewMockTokenDetailsProvider() *MockTokenDetailsProvider {
    return &MockTokenDetailsProvider{
        UserName:     "tester",
        ClientId:     "client-id",
        UserId:       DefaultUserId,
        TenantId:     DefaultTenantId,
        TenantName:   "test-tenant",
        ProviderId:   DefaultProviderId,
        ProviderName: "cisco",
        Active:       true,
        Roles:        []string{"TESTER"},
        Permissions:  []string{ },
        Tenants:      []types.UUID{ },
    }
}

func MockTokenDetailsProviderFromContext(ctx context.Context) *MockTokenDetailsProvider {
    tokenDetailsProvider := security.TokenDetailsProviderFromContext(ctx)
    // Ensure the latest provider is our mock
    var ok bool
    if tokenDetailsProvider != nil {
        ok = tokenDetailsProvider.(*MockTokenDetailsProvider)
    }
    if !ok {
        return nil
    }
    return tokenDetailsProvider.(*MockTokenDetailsProvider)
}
func TokenDetailsProviderInjector(ctx context.Context) context.Context {
    mockTokenDetailsProvider := MockTokenDetailsProviderFromContext(ctx)

    if mockTokenDetailsProvider == nil {
        mockTokenDetailsProvider = NewMockTokenDetailsProvider()
        ctx = security.ContextWithMockTokenDetailsProvider(ctx, mockTokenDetailsProvider)
    }

    return ctx
}

func TokenDetailsProviderCustomizer(fn func(*MockTokenDetailsProvider)) types.ContextInjector {
    return func(ctx context.Context) context.Context {
        ctx = TokenDetailsProviderInjector(ctx)
        tokenDetailsProvider := MockTokenDetailsProviderFromContext(ctx)
        fn(tokenDetailsProvider)
        return ctx
    }
}

func ClientIdInjector(clientId string) types.ContextInjector {
    return TokenDetailsProviderCustomizer(func(provider *MockTokenDetailsProvider) {
        provider.ClientId = clientId
    })
}

func PermissionInjector(permissions ...string) types.ContextInjector {
    return TokenDetailsProviderCustomizer(func(provider *MockTokenDetailsProvider) {
        provider.Permissions = append(provider.Permissions, permissions...)}
    })
}

func TenantAssignmentInjector(tenantIds ...types.UUID) types.ContextInjector {
    return TokenDetailsProviderCustomizer(func(provider *MockTokenDetailsProvider) {
        provider.Tenants = append(provider.Tenants, tenantIds...)}
    })
}

func RolesInjector(roles ...string) types.ContextInjector {
    return TokenDetailsProviderCustomizer(func(provider *MockTokenDetailsProvider) {
        provider.Roles = append(provider.Roles, roles...)}
    })
}

func AuthoritiesInjector(authorities ...string) types.ContextInjector {
    return TokenDetailsProviderCustomizer(func(provider *MockTokenDetailsProvider) {
        userContextPtr := security.UserContextFromContext(ctx)
        userContext := *userContextPtr
        if userContext.Authenticating == nil {
            userContext.Authenticating = true
        }
        provider.Authorities = append(provider.Authorities, authorities...)}
    })
}
userContext.Authorities = append(userContext.Authorities, authorities...)  
ctx = security.ContextWithUserContext(ctx, &userContext)  
return ctx  
}  
}  

1.33 decorator 3.4.0  
1.33.1 Available under license:  
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* /opt/cola/permits/1154644470_1618870926.16/0/decorator-3-4-0-1-tar-gz/decorator-3.4.0/src/decorator.py  
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try:  
    from setuptools import setup  
except ImportError:  
    from distutils.core import setup  
import os.path  

def getversion(fname):  
    """Get the __version__ reading the file: works both in Python 2.X and 3.X,  
    whereas direct importing would break in Python 3.X with a syntax error"""  
    for line in open(fname):  
        if line.startswith('__version__'):  
            return eval(line[13:])  
    raise NameError('Missing __version__ in decorator.py')  

VERSION = getversion(  
    os.path.join(os.path.dirname(__file__), 'src/decorator.py'))  

if __name__ == '__main__':  
    setup(name='decorator',  
        version=VERSION,  
        description='Better living through Python with decorators',  
        long_description=open('README.txt').read(),  
        author='Michele Simionato',  
        author_email='michele.simionato@gmail.com',  
        ...
url='http://pypi.python.org/pypi/decorator',
license='BSD License',
package_dir = {'' : 'src'},
py_modules = ['decorator'],
keywords='decorators generic utility',
platforms=['All'],
classifiers=['Development Status :: 5 - Production/Stable',
'Intended Audience :: Developers',
'License :: OSI Approved :: BSD License',
'Natural Language :: English',
'Operating System :: OS Independent',
'Programming Language :: Python',
'Programming Language :: Python :: 3',
'Topic :: Software Development :: Libraries',
'Topic :: Utilities'],
use_2to3=True,
zip_safe=False)

Found in path(s):
* /opt/cola/permits/1154644470_1618870926.16/0/decorator-3.4.0-1-tar-gz/decorator-3.4.0/setup.py

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Decorator module
=================

:Author: Michele Simionato
:E-mail: michele.simionato@gmail.com
:Requires: Python 2.4+
:Download page: http://pypi.python.org/pypi/decorator
:Installation: `easy_install decorator`
:License: BSD license

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

If you are lazy, just perform

$ easy_install decorator

which will install just the module on your system. Notice that Python 3 requires the easy_install version of the distribute project.

If you prefer to install the full distribution from source, including the documentation, download the tarball, unpack it and run

$ python setup.py install
In the main directory, possibly as superuser.

.. _tarball: http://pypi.python.org/pypi/decorator
.. _distribute: http://packages.python.org/distribute/

Testing
--------

For Python 2.5, 2.6, 2.7 run

```
$ python documentation.py
```

For Python 3.X run

```
$ python documentation3.py
```

You will see a few innocuous errors with Python 2.5, because some
inner details such as the introduction of the ArgSpec namedtuple and
Thread.__repr__ changed. You may safely ignore them.

You cannot run the tests in Python 2.4, since there is a test using
the with statement, but the decorator module is expected to work
anyway (it has been used in production with Python 2.4 for years). My
plan is to keep supporting all Python versions >= 2.4 in the core
module, but I will keep the documentation and the tests updated only
for the latest Python versions in both the 2.X and 3.X branches.

Finally, notice that you may run into trouble if in your system there
is an older version of the decorator module; in such a case remove the
old version.

Documentation
--------------

There are various versions of the documentation:

- `HTML version (Python 2)`_
- `PDF version (Python 2)`_

- `HTML version (Python 3)`_
- `PDF version (Python 3)`_


Repository
The project is hosted on GoogleCode as a Mercurial repository. You can look at the source here:

http://code.google.com/p/micheles/source/browse/#hg%2Fdecorator

Found in path(s):
* /opt/cola/permits/1154644470_1618870926.16/0/decorator-3-4-0-1-tar-gz/decorator-3.4.0/README.txt
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Metadata-Version: 1.1
Name: decorator
Version: 3.4.0
Summary: Better living through Python with decorators
Home-page: http://pypi.python.org/pypi/decorator
Author: Michele Simionato
Author-email: michele.simionato@gmail.com
License: BSD License
Description: Decorator module

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

If you are lazy, just perform

$ easy_install decorator

which will install just the module on your system. Notice that Python 3 requires the easy_install version of the distribute_ project.

If you prefer to install the full distribution from source, including the documentation, download the tarball_, unpack it and run

$ python setup.py install

in the main directory, possibly as superuser.

.. _tarball: http://pypi.python.org/pypi/decorator
Testing
--------

For Python 2.5, 2.6, 2.7 run

$ python documentation.py

for Python 3.X run

$ python documentation3.py

You will see a few innocuous errors with Python 2.5, because some inner details such as the introduction of the `ArgSpec` namedtuple and `Thread.__repr__` changed. You may safely ignore them.

You cannot run the tests in Python 2.4, since there is a test using the with statement, but the decorator module is expected to work anyway (it has been used in production with Python 2.4 for years). My plan is to keep supporting all Python versions >= 2.4 in the core module, but I will keep the documentation and the tests updated only for the latest Python versions in both the 2.X and 3.X branches.

Finally, notice that you may run into trouble if in your system there is an older version of the decorator module; in such a case remove the old version.

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

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- `_HTML version (Python 3)`_
- `_PDF version (Python 3)`_

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-----------

The project is hosted on GoogleCode as a Mercurial repository. You
can look at the source here:

http://code.google.com/p/micheles/source/browse/#hg%2Fdecorator

Keywords: decorators generic utility
Platform: All
Classifier: Development Status :: 5 - Production/Stable
Classifier: Intended Audience :: Developers
Classifier: License :: OSI Approved :: BSD License
Classifier: Natural Language :: English
Classifier: Operating System :: OS Independent
Classifier: Programming Language :: Python
Classifier: Programming Language :: Python :: 3
Classifier: Topic :: Software Development :: Libraries
Classifier: Topic :: Utilities

Found in path(s):
* /opt/cola/permits/1154644470_1618870926.16/0/decorator-3-4-0-1-tar-gz/decorator-3.4.0/src/decorator.egg-info/PKG-INFO
* /opt/cola/permits/1154644470_1618870926.16/0/decorator-3-4-0-1-tar-gz/decorator-3.4.0/PKG-INFO
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* /opt/cola/permits/1154644470_1618870926.16/0/decorator-3-4-0-1-tar-gz/decorator-3.4.0/documentation3.py

---

1.34 tomcat 9.0.17

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Java compilation software for JSP pages is provided by the Eclipse
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org.apache.tomcat.util.json.JSONParser.jj is a public domain javacc grammar
for JSON written by Robert Fischer.
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For portions of the Tomcat JNI OpenSSL API and the OpenSSL JSSE integration
The org.apache.tomcat.jni and the org.apache.tomcat.net.openssl packages
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The original XML Schemas for Java EE Deployment Descriptors:
- javaee_5.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
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- javaee_5.xsd
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- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
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- web-common_3_1.xsd
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* /opt/cola/permits/1136449524_1613767508.39/0/owasp-java-html-sanitizer-r239-sources-3-
  jar/org/owasp/html/Encoding.java
* /opt/cola/permits/1136449524_1613767508.39/0/owasp-java-html-sanitizer-r239-sources-3-
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* /opt/cola/permits/1136449524_1613767508.39/0/owasp-java-html-sanitizer-r239-sources-3-
  jar/org/owasp/html/htmlTextEscapingMode.java
* /opt/cola/permits/1136449524_1613767508.39/0/owasp-java-html-sanitizer-r239-sources-3-
  jar/org/owasp/html/TCB.java
* /opt/cola/permits/1136449524_1613767508.39/0/owasp-java-html-sanitizer-r239-sources-3-
  jar/org/owasp/html/htmlStreamRenderer.java
* /opt/cola/permits/1136449524_1613767508.39/0/owasp-java-html-sanitizer-r239-sources-3-
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  jar/org/owasp/html/htmlTextEscapingMode.java
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  jar/org/owasp/html/htmlTextEscapingMode.java
1.37 union-value 1.0.1

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1.39 json-stream 1.1.1
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1.40 zookeeper-jute 3.5.9

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1.42 zap v1.14.1

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1.43 p-map 2.1.0

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1.44 pam 1.4.0-9

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1.45 node-qs 6.9.4+ds-1

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1.46 moment 2.20.1
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1.47 jopt-simple 5.0.3

1.48 @hapi/podium 3.4.3
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1.49 golang-protobuf-extensions v1.0.1

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1.50 logstash-filter-fingerprint 3.2.1

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1.54 isexe 2.0.0

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1.55 aws-sdk-v1 1.67.0

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1.56 logstash-filter-dissect 1.2.0

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1.57 aws-sdk-go 1.30.23

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1.61 vega-geo 2.2.2

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1.62 caffeine 2.2.6

1.63 @babel/plugin-proposal-async-generator-functions 7.2.0

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1.64 bzip2 1.0.8-4
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Julian Seward, jseward@acm.org
bzip2/libbzip2 version 1.0.8 of 13 July 2019

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1.65 gettext-go v0.0.0-20160711120539-c6fed771bfd5
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1.66 regexpu-core 1.0.0

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1.67 node-punycode 2.1.1-3

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1.68 jetty-client 9.4.11.v20180605

1.69 p11-kit 0.23.18.1-r0

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pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=6
pkgdesc="A library for high-performance 2D graphics"
url="https://www.levien.com/libart/"
arch="all"
options="!check" # No test suite.
license="LGPL-2.0-or-later"
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2"

builddir="$srcdir/libart_lgpl-$pkgver"

prepare() {
    update_config_sub
    default_prepare
}

build() {
    ./configure \
    --build=$CBUILD \
    --host=$CHOST \
    --prefix=/usr
    make
}

package() {
    make DESTDIR="$pkgdir" install
}

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e76654309e001aee9bace727b5b4c8589405256a3c020 libart_lgpl-2.3.21.tar.bz2"
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pkgnme=perl-bsd-resource
_pkgreal=BSD-Resource
pkgver=1.2911
pkgrel=4
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource"
arch="all"
license="GPL-1.0-or-later OR Artistic-1.0-Perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/$_pkgreal-$pkgver.tar.gz"

builddir="$srcdir/$_pkgreal-$pkgver"
prepare() {
    default_prepare

    export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
    PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}

build() {
    export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
    make
}

check() {
    make test
}

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

sha512sums="d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16
dfa5417f663b8065ba665f4faptcha16de926728b3b6b85  BSD-Resource-1.2911.tar.gz"

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pkgname=spdx-licenses
pkgver=3.8
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="$pkgname"
list() {
pkgdesc="$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="0950540df050fb7f7ce92f5ad1bf756725e233d701f0c5b2fc5bfa85da65bba3400de7fd78b4b1d8a41de
ab4e461a5f1018f4869d9f3e0428a5a64c32c01c60  license-list-data-3.8.tar.gz"

1.70 enhanced-resolve 4.5.0
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/**
 * Creates a new {@link AnalyzerAdapter}. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * { @link #AnalyzerAdapter(int, String, int, String, String, MethodVisitor)}
 * version.
 *
 * @param owner
 *            the owner's class name.
 * @param access
 *            the method's access flags (see { @link Opcodes}).
 * @param name
 *            the method's name.
 * @param desc
 *            the method's descriptor (see {@link Type Type}).
 * @param mv
 *            the method visitor to which this adapter delegates calls. May
 * be <tt>null</tt>.
 * @throws IllegalStateException
 *             If a subclass calls this constructor.
 */

Found in path(s):
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/**
* Creates a new [@link GeneratorAdapter]. <i>Subclasses must not use this
* constructor</i>. Instead, they must use the
* [@link #GeneratorAdapter(int, MethodVisitor, int, String, String)]
* version.
* @param mv
* the method visitor to which this adapter delegates calls.
* @param access
* the method's access flags (see [@link Opcodes]).
* @param name
* the method's name.
* @param desc
* the method's descriptor (see [@link Type]).
* @throws IllegalStateException
* If a subclass calls this constructor.
*/

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/**
 * Creates a new JSRInliner. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * [ @link #JSRInlinerAdapter(int, MethodVisitor, int, String, String, String, String[])]
 * version.
 *
 * @param mv
 * the <code>MethodVisitor</code> to send the resulting inlined
 * method code to (use <code>null</code> for none).
 * @param access
 * the method's access flags (see [ @link Opcodes}). This
 * parameter also indicates if the method is synthetic and/or
 * deprecated.
 * @param name
 * the method's name.
 * @param desc
 * the method's descriptor (see [ @link Type}).
 * @param signature
 * the method's signature. May be <tt>null</tt>.
 * @param exceptions
 * the internal names of the method's exception classes (see
 * [ @link Type#getInternalName() getInternalName}]). May be
 * <tt>null</tt>.
 * @throws IllegalStateException
 * If a subclass calls this constructor.
 */

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/**
 * Constructs a new [@link LocalVariableAnnotationNode]. <i>Subclasses must
 * not use this constructor</i>. Instead, they must use the
 * [@link #LocalVariableAnnotationNode(int, TypePath, LabelNode[], LabelNode[], int[], String)]
 * version.
 *
 * @param typeRef
 * a reference to the annotated type. See [@link TypeReference].
 * @param typePath
 * the path to the annotated type argument, wildcard bound, array
 * element type, or static inner type within 'typeRef'. May be
 * <tt>null</tt> if the annotation targets 'typeRef' as a whole.
 * @param start
 * the fist instructions corresponding to the continuous ranges
 * that make the scope of this local variable (inclusive).
 * @param end
 * the last instructions corresponding to the continuous ranges
 * that make the scope of this local variable (exclusive). This
 * array must have the same size as the 'start' array.
 * @param index
 * the local variable's index in each range. This array must have
 * the same size as the 'start' array.
 * @param desc
 * the class descriptor of the annotation class.
 */
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 * Constructs a new {@link Textifier}. <i>Subclasses must not use this
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 *
 * @throws IllegalStateException
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 */

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 * Constructs a new { @link ClassNode}. <i>Subclasses must not use this
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 * @throws IllegalStateException
 *             If a subclass calls this constructor.
 */

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* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/analysis/Value.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/Label.java
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* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/commons/StaticInitMerger.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/optimizer/MethodConstantsCollector.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/AnnotationVisitor.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/commons/RemappingMethodAdapter.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/analysis/Frame.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/MethodVisitor.java
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* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/ClassVisitor.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/ClassWriter.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/commons/Remapper.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/VarInsnNode.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/commons/LocalVariablesSorter.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/AnnotationNode.java
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* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/util/TraceMethodVisitor.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/Edge.java
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* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/MultiANewArrayInsnNode.java
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* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/analysis/Subroutine.java
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* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/commons/SerialVersionUIDAdder.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/util/TraceSignatureVisitor.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/AnnotationWriter.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/util/TraceClassVisitor.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/util/CheckAnnotationAdapter.java
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* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/optimizer/shrink-frames.properties

1.75 lz4 1.9.3-2

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import (  
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"io/ioutil"  
"os"  
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var sentinel = regexp.MustCompile(`(//|#) Copyright \d\d\d\d (Google LLC|The Go Authors)\(*\ All rights reserved\).\)*
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(//|#) license that can be found in the LICENSE file.
`)

const prefix = "// Copyright"

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

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

        if err != nil {
            return err
        }

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

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

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

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

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1.83 regjsparser 0.1.5
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jar/io/netty/resolver/AddressResolverGroup.java
* /opt/ws_local/PERMITS_SQL/1068233887_1594324468.34/0/netty-resolver-4-1-50-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068233887_1594324468.34/0/netty-resolver-4-1-50-final-sources-1-
jar/io/netty/resolver/DefaultNameResolver.java
* /opt/ws_local/PERMITS_SQL/1068233887_1594324468.34/0/netty-resolver-4-1-50-final-sources-1-
1.85 create-react-context 0.1.6

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1.86 jackson-module-afterburner 2.9.9
1.87 attr 2.4.47 2+b2

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Public License instead of this License.

1.90 @webAssemblyJs/wasm-parser 1.7.11

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1.91 bctls-jdk15on 1.61

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

public static final ProtocolName WEBRTC_CONFIDENTIAL = asUtf8Encoding("c-webrtc");

Found in path(s):
* /opt/cola/permits/1142800344_1615477363.75/0/bctls-jdk15on-1-61-sources-2-jar/org/bouncycastle/tls/ProtocolName.java

1.92 go-syslog 1.0.0

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1.93 regjsgen 0.2.0
1.93.1 Available under license :

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1.94 timers-browserify 2.0.6
1.94.1 Available under license:

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1.95 transport-netty4-client 6.8.16

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1.96 node-dashdash 2.0.0-1

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1.97 luajit 2.1.0
1.97.1 Available under license :

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

1.98 e2fsprogs 1.46.2 1~bpo10+2
1.98.1 Available under license :
This is the Debian GNU/Linux prepackaged version of the static EXT2 file system consistency checker (e2fsck.static). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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#
# This is 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 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
 */
/*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
-
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Theodore Ts'o
23-June-2007

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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:

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1.110 turf-invariant 3.0.12

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1.117 jackson-databind 2.8.11.6

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1.121 tre 0.0.0-20191119213627

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1.132 golang-snappy v0.0.1
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1.133 terser 3.11.0

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1.134 ui-select 0.19.4

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1.135 libtls-standalone 2.9.1-r0

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1.136 libpcsclite 1.9.1-1

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

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The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

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* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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1.139 babel-plugin-transform-es2015-typeof-symbol 6.23.0

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1.140 fs-write-stream-atomic 1.0.10

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1.141 go-humanize v1.0.0

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1.142 tiny-invariant 0.0.3

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1.143 markdown-escapes 1.0.1

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1.144 lua-cjson 2.1.0

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1.145 squel 5.12.2

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1.146 go-uuid v1.2.0

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1.147 jffi 1.2.18

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1.152 d3-voronoi 1.1.2

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1.153 webpack-merge 4.1.4

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# Contributors
* [Fernando Montoya](https://github.com/montogeek) - Use separate lodash functions instead of the core package. Faster to install this way.
* [Jonathan Felchlin](https://github.com/GreenGremlin) - Smart merging for loaders.
* [David Gmez](https://github.com/davegomez) - Performance and cosmetic improvements.
* [siready](https://github.com/siready) - Extend `merge.smart` to support `include/exclude`.
* [C.J. Winslow](https://github.com/Whoa512) - Make `merge.smart` `include/exclude` to work correctly with `loader`.
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* [Lucretiel](https://github.com/Lucretiel) - Added a more generic test to describe merge behavior better.
* [Christian Hoffmeister](https://github.com/choffmeister) - Fix `merge.smart` behavior so that it checks against full loader names instead of just the first letter.
* [Ken Powers](https://github.com/knpwrs) - Changed Travis icon to use SVG (scales better).
* [Kyle Herock](https://github.com/rockmacaca) - Improved webpack 2 support, avoided concatenating loaders if the first matching entry’s `include/exclude` doesn't match. #41
* [Steven Haddix](https://github.com/steven-haddix) - Clarify description. #42
* [Artem Sapegin](https://github.com/sapegin) - Tweaked `customizeArray/customizeObject` example. #60
* [Dan Kirkham](https://github.com/herecydev) - `merge.multiple`. #74
* [Ahmed Elmehri](https://github.com/ahmehri) - Add `customizeArray` and `customizeObject` examples. #93
* [Flvio](https://github.com/flaviorocks) - Maintenance - Update lodash, #97, #98
* [Amy Lynn](https://github.com/Amy-Lynn) - Smart merge should maintain existing loader order. #79, #101
1.154 kind-of 4.0.0

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1.155 apk-cron 1.0-r2

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not-a-legal-formal-parameter-tuple.scala:2: error: not a legal formal parameter.
Note: Tuples cannot be directly destructured in method or function parameters.
   Either create a single parameter accepting the Tuple2,
   or consider a pattern matching anonymous function: `\{ case (a, b) => ... }`
val x: ((Int, Int) => Int) = (((a, b)) => a)
^
not-a-legal-formal-parameter-tuple.scala:3: error: not a legal formal parameter.
Note: Tuples cannot be directly destructured in method or function parameters.
   Either create a single parameter accepting the Tuple2,
   or consider a pattern matching anonymous function: `\{ case param1, param2 => ... }`
val y: ((Int, Int, Int) => Int) = (((a, !)) => a)
^
not-a-legal-formal-parameter-tuple.scala:4: error: not a legal formal parameter.
Note: Tuples cannot be directly destructured in method or function parameters.
Either create a single parameter accepting the Tuple3, or consider a pattern matching anonymous function: `case (param1, ..., param3) => ...`
val z: ((Int, Int, Int) => Int) = (((a, NotAPatternVariableName, c)) => a)

3 errors
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1.163 @webassemblyjs/wasm-gen 1.7.11

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Found in path(s):
* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/tools/rmi/StubGenerator.java
* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/compiler/ast/BinExpr.java
* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/compiler/SymbolTable.java
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* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/tools/web/Webserver.java
* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/bytecode/NestMembersAttribute.java
* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/convert/TransformBefore.java
* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/tools/rmi.Proxy.java
* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/bytecode/Analysis/SubroutineScanner.java
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* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/tools/Callback.java
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* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/CtNewWrappedConstructor.java
* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/util/Proxy/DefineClassHelper.java
* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist[ByteArrayClassPath.java
* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/bytecode/DuplicateMemberException.java
* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/expr/NewArray.java
* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/CtBehavior.java
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* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/tools/reflect/ClassMetaobject.java
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* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/bytecode/stackmap/TypedBlock.java
* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/compiler/ProceedHandler.java
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* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/util/proxy/ProxyObject.java
* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/Expr.java
* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/bytecode/analysis/Util.java
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* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/compiler/ast/CallExpr.java
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* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/convert/TransformReadField.java
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* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/compiler/ast/StringL.java
* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/scopedpool/ScopedClassPoolRepositoryImpl.java
* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/compiler/ast/Member.java
* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/expr/Expr.java
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1.178 idna 2.10
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Found in path(s):
* /opt/cola/permits/1110905341_1606871385.15/0/kjd-idna-v2-10-0-ge5c11db-1-tar-gz/kjd-idna-b8defb9/LICENSE.rst

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---

A library to support the Internationalised Domain Names in Applications (IDNA) protocol as specified in RFC 5890 et.al. This new methodology, known as IDNA 2008, can generate materially different results to the previous standard. The library can act as a drop-in replacement for the "encodings.idna" module.

---

import io, sys
from setuptools import setup

def main():

    python_version = sys.version_info[:2]
    if python_version < (2,7):
        raise SystemExit("Sorry, Python 2.7 or newer required")

    package_data = {}
    exec(open('idna/package_data.py').read(), package_data)

    arguments = {
        'name': 'idna',
        'packages': ['idna'],
        'version': package_data['__version__'],
        'description': 'Internationalized Domain Names in Applications (IDNA)',
        'long_description': io.open("README.rst", encoding="UTF-8").read(),
        'author': 'Kim Davies',
        'author_email': 'kim@cynosure.com.au',
        'license': 'BSD-like',
        'url': 'https://github.com/kjd/idna',
        'classifiers': [
            'Development Status :: 5 - Production/Stable',
            'Intended Audience :: Developers',
            'Intended Audience :: System Administrators',
            'License :: OSI Approved :: BSD License',
            'Operating System :: OS Independent',
            'Programming Language :: Python',
            'Programming Language :: Python :: 2',
            'Programming Language :: Python :: 2.7',
            'Programming Language :: Python :: 3',
            'Programming Language :: Python :: 3.4',
            'Programming Language :: Python :: 3.5',
            'Programming Language :: Python :: 3.6',
            'Programming Language :: Python :: 3.7',
            'Programming Language :: Python :: 3.8',
            'Programming Language :: Python :: Implementation :: CPython',
            'Programming Language :: Python :: Implementation :: PyPy',
            'Topic :: Internet :: Name Service (DNS)',
            'Topic :: Software Development :: Libraries :: Python Modules',
            'Topic :: Utilities',
        ],
        'python_requires': '>=2.7, !=3.0.*, !=3.1.*, !=3.2.*, !=3.3.*',
    }

    setup(**arguments)
if __name__ == '__main__':
    main()

Found in path(s):
* /opt/cola/permits/1110905341_1606871385.15/0/kjd-idna-v2-10-0-ge5c11db-1-tar-gz/kjd-idna-b8defb9/setup.py

1.179 ncurses 6.1_p20200118-r4
1.179.1 Available under license :

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

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

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1.180 react-resizable 1.7.5

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1.181 jackson-annotations 2.9.10

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1.182 connect-file 2.7.1

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1.192 icu 48

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1.193 go-autorest-logging v0.2.1

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1.194 streams 2.5.2

1.195 env 3.5.0

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1.196 aws-sdk-resources 2.11.540

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1.197 turf-triangle-grid 3.0.12

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1.198 somever 2.0.0

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1.199 jws 3.1.5

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1.200 grpc-go 1.28.0

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**1.204 redis 6.0.14**

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1.205 @babel/helper-define-map 7.1.0

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1.206 pinkie-promise 2.0.1

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1.207 babel-plugin-syntax-async-functions
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1.208 unboundid-ldap-sdk 4.0.8

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1.211 node-libs-browser 2.1.0

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1.212 runc 0.0.0

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Gocheck - A rich testing framework for Go

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1.213 curl 7.66.0-r0

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1.214 schema-utils 0.4.7

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1.215 cassandra-driver 3.10

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Eclipse

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

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

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

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Oracle

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

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

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Oracle OpenJDK

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

* java.sun.security.ssl

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

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

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

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Apache

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

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MortBay

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

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

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html
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1.223 logrus v1.4.2

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1.224 object-keys 1.1.1

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1.230 path-to-regexp 0.1.7

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1.234 nfv-bu-go-msx-beats v0.1.10

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1.237 golang-protobuf-extensions 1.0.1

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1.238 turf_helpers 3.0.12

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1.239 cryptacular 1.2.4

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1.241 jemalloc 5.2.1

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


## Warnings

- This adds `fetch` as a global so that its API is consistent between client and server.
- You must bring your own ES6 Promise compatible polyfill, I suggest [es6-promise](https://github.com/jakearchibald/es6-promise).

For [ease-of-maintenance and backward-compatibility reasons][why polyfill], this library will always be a polyfill. As a "safe" alternative, which does not modify the global, consider [fetch-ponyfill][fetch-ponyfill].

[why polyfill]: https://github.com/matthew-andrews/isomorphic-fetch/issues/31#issuecomment-149668361
[fetch-ponyfill]: https://github.com/qubyte/fetch-ponyfill

## Installation

### NPM

```sh
sh
npm install --save isomorphic-fetch es6-promise
```

### Bower

```sh
sh
bower install --save isomorphic-fetch es6-promise
```

## Usage

```js
require('es6-promise').polyfill();
require('isomorphic-fetch');

fetch('//offline-news-api.herokuapp.com/stories')
```
.then(function(response) {
  if (response.status >= 400) {
    throw new Error("Bad response from server");
  }
  return response.json();
})
.then(function(stories) {
  console.log(stories);
});

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Found in path(s):

### 1.244 fast-glob 2.0.4

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cmd/krb5/iprop/iprop_hdr.h
cmd/krb5/kadmin/server/ipropd_svc.c
cmd/krb5/kproplog/kproplog.c
```
```
cmd/krb5/slave/kpropd_rpc.c
lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h
lib/gss_mechs/mech_spnego/mech/spnego_mech.c
lib/krb5/kadm5/kadm_host_svc_names.c
lib/krb5/kdb/kdb_convert.c
lib/krb5/kdb/kdb_hdr.h
lib/krb5/kdb/kdb_log.c
lib/krb5/kdb/kdb_log.h
lib/libgss/g_accept_sec_context.c
lib/libgss/g_acquire_cred.c
lib/libgss/g_canon_name.c
lib/libgss/g_compare_name.c
lib/libgss/g_context_time.c
lib/libgss/g_delete_sec_context.c
lib/libgss/g_dsp_name.c
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lib/libgss/g_inquire_cred.c
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lib/libgss/g_process_context.c
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lib/gssapi/mechglue/g_context_time.c
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lib/kdb/prop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
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1.248 effective-tld-names 2.48.1-6.el7
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1.249 apk-tools 2.10.4-r2

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1.254 make 3.82 24.el7
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1.261 tzdata 2021a-1

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   version 1.2.11, January 15th, 2017

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1.278 json-stable-stringify 1.0.1

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1.289 fs.realpath 1.0.0

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1.290 script-loader 0.7.2

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1.293 make-dir 1.3.0

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

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DRuntime: Runtime Library for the D Programming Language

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Version 3.1, 31 March 2009

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1.311 val-loader 1.1.1

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1.313 lz4 1.8.3-1.el7

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1.314 d3-time-format 2.1.1

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jseward@acm.org
bzip2/libbzip2 version 1.0.2 of 30 December 2001

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    libb2.dll test program.
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usage: minibz2 [-d] [-{1,2,...9}] [[srcfilename] destfilename]

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1.318 string_decoder 1.3.0

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1.319 x-oauth2 v0.0.0-20190604053449-0f29369cfe45

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1.321 x-sys v0.0.0-20200930185726-fdedc70b468f

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1.322 babel-plugin-transform-es2015-
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1.330 js-levenshtein 1.1.3

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1.331 p-map 1.2.0

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1.333 duplexer2 0.1.4
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1.334 stream-shift 1.0.0

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1.335 are-we-there-yet 1.1.5-1

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1.336 xiang90-probing v0.0.0-20190116061207-43a291ad63a2
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1.337 crypto-browserify 3.12.0
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1.338 unzip 6.0-26

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The original unzip source code has been extensively modified and almost entirely rewritten (changes include random zipfile access rather than sequential; replacement of unimplode() with explode(); replacement of old unshrink() with new (unrelated) unshrink(); replacement of output routines; addition of inflate(), wildcards, filename-mapping, text translation, ...; etc.). As far as we can tell, only the core code of the unreduce method remained substantially similar to Mr. Smith’s original source. As of UnZip 5.42, the complete core code is now covered by the Info-ZIP Licence. Therefore, support for the reduce method has been removed.

The drop of the reduce method should only affect some test archives, reducing was never used in any publically distributed Zip program. For pathologic cases where support for reduced archive entries is needed, the unreduce code copyrighted by Samuel H. Smith is available as a separate distribution (the restricted copyright of this code is cited below in the "historical" section).

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*
* A collection of File Manager and related routines
*
* by Jim Luther (Apple Macintosh Developer Technical Support Emeritus)
* with significant code contributions by Nitin Ganatra
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"He says that he thought that whoever contacted him understood that he has no objection to the Info-ZIP group's inclusion of his code. His primary concern is that it remain freely distributable, he said."

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The remaining code was written by many people associated with the
Info-ZIP group, with large contributions from (but not limited to):
Greg Roelofs (overall program logic, ZipInfo, unshrink, filename
mapping/portability, etc.), Mark Adler (inflate, explode, funzip),
Kai Uwe Rommel (OS/2), John Bush and Paul Kienitz (Amiga), Antoine
Verheijen (Macintosh), Hunter Goatley (more VMS), Mike White (Windows
DLLs), Christian Spieler (overall logic, optimization, VMS, etc.) and
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The decompression core code for the deflate method (inflate.[ch],
eexplode.c) was originally written by Mark Adler who submitted it
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1.339 items 2.1.2

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1.340 go-memdb v1.0.2

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Mathieu Desnoyers
May 13th, 2009

IBM Corporation allowed LGPLv2.1+ licensing of their contribution to the userspace RCU library in a patch submitted on May 8, 2009 from Paul E. McKenney and reviewed by Steven L. Bennett:


I (Mathieu Desnoyers) re-implemented ACCESS_ONCE(), likely(), unlikely() and barrier() from scratch without reference to the original code.

commit id : 2dc5fa0f7cfbfb0a64a7a67b39626650e863f16a

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

http://lkml.org/lkml/2009/5/13/16
The code for the cmpxchg() primitives has been rewritten from a MIT-licensed cmpxchg for Intel and powerpc. They are MIT-licensed and therefore usable in LGPL code. This cmpxchg code was obtained from the atomic_ops project:

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

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

1.343 kubernetes-klog v1.0.0

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Protocol Buffers for Go with Gadgets

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

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SOFTWARE.

@import './skin';
@import './layout';
%notice {
  border-radius: $decor-radius-100;
  border-width: 1px;
}
%notice-success,
%notice-info,
%notice-highlight,
%notice-error,
%notice-warning {
  @extend %notice;
}
%notice::before {
  @extend %as-pseudo;
}
%notice-success {
  @extend %frame-green-500;
}
%notice-info {
  @extend %frame-blue-500;
}
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import (  
    "io/ioutil"
    "strings"
    "time"
)

type License struct {  
    // The unique identifier of the license  
    LicenseID string `json:"license_id"`  

    // The customer ID associated with the license  
    CustomerID string `json:"customer_id"`  

    // If set, an identifier that should be used to lock the license to a  
    // particular site, cluster, etc.  
    InstallationID string `json:"installation_id"`  

    // The time at which the license was issued  
    IssueTime time.Time `json:"issue_time"`  

    // The time at which the license starts being valid  
    StartTime time.Time `json:"start_time"`  
}
// The time after which the license expires
ExpirationTime time.Time `json:"expiration_time"

// The time at which the license ceases to function and can
// no longer be used in any capacity
TerminationTime time.Time `json:"termination_time"

// The product the license is valid for
Product string `json:"product"

// License Specific Flags
Flags map[string]interface{} `json:"flags"

// List of features enabled by the license
Features []string `json:"features"

} type LicenseReply struct {
   Valid bool
   License *License
   Warnings []string
}

func (op *Operator) LicenseGet(q *QueryOptions) (*LicenseReply, error) {
   var reply LicenseReply
   if _, err := op.c.query(`/v1/operator/license`, &reply, q); err != nil {
      return nil, err
   } else {
      return &reply, nil
   }
}

func (op *Operator) LicenseGetSigned(q *QueryOptions) (string, error) {
   r := op.c.newRequest("GET", `/v1/operator/license")
   r.params.Set("signed", "1")
   r.setQueryOptions(q)
   _, resp, err := requireOK(op.c.doRequest(r))
   if err != nil {
      return "", err
   }
   defer resp.Body.Close()

   data, err := ioutil.ReadAll(resp.Body)
   if err != nil {
      return "", err
   }

   return string(data), nil
}
// LicenseReset will reset the license to the builtin one if it is still valid.
// If the builtin license is invalid, the current license stays active.
func (op *Operator) LicenseReset(opts *WriteOptions) (*LicenseReply, error) {
    var reply LicenseReply
    r := op.c.newRequest("DELETE", "/v1/operator/license")
    r.setWriteOptions(opts)
    _, resp, err := requireOK(op.c.doRequest(r))
    if err != nil {
        return nil, err
    }
    defer resp.Body.Close()
    if err := decodeBody(resp, &reply); err != nil {
        return nil, err
    }
    return &reply, nil
}

func (op *Operator) LicensePut(license string, opts *WriteOptions) (*LicenseReply, error) {
    var reply LicenseReply
    r := op.c.newRequest("PUT", "/v1/operator/license")
    r.setWriteOptions(opts)
    r.body = strings.NewReader(license)
    _, resp, err := requireOK(op.c.doRequest(r))
    if err != nil {
        return nil, err
    }
    defer resp.Body.Close()
    if err := decodeBody(resp, &reply); err != nil {
        return nil, err
    }
    return &reply, nil
}

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>>> appengine-ca59ef35f409df61fa4a5f8290ff289b37eccfb8
>>> aws_aws-sdk-go_aws-master
>>> coreos_etcd_client-781196fa8746d6c34ace2a62898051af6dc46002
>>> coreos_etcd_version-781196fa8746d6c34ace2a62898051af6dc46002
>>> coreos_go-semver_semver-5e3acbb5668c4c3debe482615c4098eb61fb6b1e
>>> docker_distribution-28602af35aceda2f8d571bad7ca37a54cf0250bc
>>> docker_go-events-aa2e3b613fbbfddebe055a7b9e3ce271cfdf83eca
>>> docker_libnetwork-fd27f22aa35e3d57f8688f919d05b744f431fd
>>> docker_libtrust-9cbda1374f46905c68a4eb3694a130610ad62a
>>> go-openapi_analysis-d5a75b7d751ca313ad593cfe9740f2c3f6a47
>>> go-openapi_errors-fc3f73a224499b047eda7191ed22e1e9631e86f
>>> go-openapi_jsonpointer-779f45308c19820f1a69e9a4cd965f4960eda10f
>>> go-openapi_jsonreference-36d33bfe519efa5632669801b180bf1a245da3b
>>> go-openapi_loads-6bb486231e079ea125c0f39994ed3d0c5339edd
>>> go-openapi_runtime-3b13ebb46790d871d74a6c2450afa4b1280f90854
>>> go-openapi_spec-e072eb2390d3a03736a6eb617d30f48369160447
>>> go-openapi_strfmt-0cb3db4c4c13bad3b3f567b762a66751972a310cc
>>> go-openapi_swag-96d7b9ebd181a17351ac9ac87914f2b32b56e9
>>> go-openapi_validate-035dcdef74f1f61e83debe1c22950dc53556e7e4b2
>>> go_compute_metadata-cd0da878c66091060d2e7403abd62192b3e387e0
>>> go_internal-cd0da878c66091060d2e7403abd62192b3e387e0
>>> golang_glog-23def46e14b4da8ac2ed8007337bc5eb5007998
>>> golang_groupcache_lru-72d0f4f9fdec7cd3821820cc4af6f150e553639a
>>> govmoni-v0.17.1
>>> maruel_panicparse_stack-25bcac0d793cf4109483505a0d66e066a3a90a80
>>> oxtoacart/bpool-4e1c5567d7c2dd59fa4c7c83d34c2f3528b025d6
>>> syncutil_singleflight-7ce08ca145dbe0e66a127c447b800ec7914f3e4f9
>>> vdemeeister_shakers-24d7f1f6a71a59cbe73904aab66b7ee9e1b3
>>> vishvananda_netlink-482f7a52b758233521878cb6c5904b663f3457
>>> vishvananda_netns-604eaaf189ee867d8c147faafc28def2394e878d25
>>> yaml_v2-4c78c977f7c825ced1466c42be594d1d6f3aba6
```
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>>> agl_ed25519-master
>>> airbrake_gobrake_v2-c9d51adc624628a06502b9c2805d983b57e89399b5
>>> api_compute_v1-dfa61ae24628a06502b9c2805d983b57e89399b5
>>> api_gensupport-dfa61ae24628a06502b9c2805d983b57e89399b5
>>> api_googleapi-dfa61ae24628a06502b9c2805d983b57e89399b5
>>> armon_go-metrics-f303b03b91d77011a139677f1d3b55da4002bbcb
>>> armon_go-radix-4239b77079c7b5d12437b4736304c8eddb8f0f2
>>> asaskevich_govalidator-9699a6b9b38bee2e02ed3fe88b99ecf67665395c96
>>> azure_go-ansiterm-70b2c90b260171e8e29f1ebd7c17f600c11858d8be
>>> boldtxtbolt-b514920f8fe20a68f857e5a12c77f4f385a59aef9
>>> cenkalti_backoff-b02f2bbce11d7ea6b97f282eef1771b0fe2f65ef3
>>> client9_misspell-9a1fc2456ae9e8c9b4cbe9d005b67edad0c357f
>>> codegangsta/inject-33e0aa1eb7c0193cc3f6e049a8262a6403d30504
>>> codegangsta_cli-master
>>> cpuguy83_go-md2man_md2man-a65d4d2de4d5f7c74868da89b202a3c8be315aaa
>>> d2g_dhcpcp-fo0e429ff0231dcee36e250b2ed9ff0412584bca
>>> deckarep_golang-set-1f0f4ff83d3fbef9328522993ce71c35890f67554
>>> dustin_go-humanize-259d2a102b871d17f023e2d9881a642961a1e486
>>> gemnasium_logrus-airbrake-hook_v2-31e668d4b5498d88ee7673d24bc54ec73c31810d
>>> gizak_termui-798fbf9bebee4073ef1f88e6069ca4a266a6676b
>>> go-check_check-20d25e2804050c1c2d4a7e9a7e6447d6047e4c
>>> go-martini/martini-22faa46961aab2d665f3f1341b46d02008f5071
>>> go-nfs-client-42fca177a36031d648551c751d1e1daf5f55d4f0
>>> godbus_dbus-230e4b2d3b2d81c53eaaa0073f76659d48493e51
>>> gogo_protobuf_gogoproto-6a92e871a8f5333cf106b2edf937567208dbbb2b
>>> gogo_protobuf_proto-6a92e871a8f5333cf106b2edf937567208dbbb2b
>>> gogo_protobuf_protoc-gen-gogo_descriptor-6a92e871a8f5333cf106b2edf937567208dbbb2b
>>> gogo_protobuf_sortkeys-6a92e871a8f5333cf106b2edf937567208dbbb2b
>>> gogo_protobuf_types-6a92e871a8f5333cf106b2edf937567208dbbb2b
>>> goji/param-d7f49fd7d1ed53f562e737a8b5bbcc7e3d925e2
>>> golang_lint-cb0e5669539f3472f4534a21a01b0c8e1726c
>>> google_go-github_github-7a51fb928f5a196d5f31daebf8a489453ef54ff
>>> google_go-querystring_query-53e6c1e1613580d03792a7fdd5138cf32d7a8a
>>> google_uuid-f3f4b542b7f91f1f1f1cc9390255b0c10960ed8
>>> googleapis_gax-go-da06d194a00e19ce0d9011a13931c366f887c7
>>> gorilla_context-1c83b3e3adb456b676072b66746c20815fb2872d
>>> gorilla_mux-acf3be1b3355b80ce285d13009846660f0eefa
>>> gorilla_securecookie-fa53299f913702981d43dcb2a380bac4298c1080b5
>>> gorilla_sessions-ca9ada4457415344400bd3fd9c8559e4cc95f896
>>> gorilla_websocket-a91ebaf197f7777409bc2443f5534d41dd20c5720
>>> graylog2_go-gelf_gelf-master
>>> grpc-b1a2821ca5a4df666e48ddfb7d6d7584d839d21
>>> hpccloud_tail-a030252cb686a21eb2d0b981326330533ac2f7f1e5
>>> jessyedk_go-flags-97448c91aa74c2cbca3020b3e769013a420a06f
>>> julienschmidt/httprouter-975b5c4c7c21c0e3d7264200bf2aa8e34657ae6e
>>> justinas/alice-1051ef52fcafd87ead59d2b8065f1fcb8274ec

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>>> d2g_dhcp4client-master
>>> hashicorp_go-cleanhttp-875fb671b3dcd66f8e2f0acc33829c8cb989a38d
>>> hashicorp_memberlist-cef12ad582224d55cf26ca9e3d239c2fcb3432a2

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>>> photon-release-2.0-2.ph2

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>>> bzip2-1.0.6-8.ph2
>>> curl-7.59.0-4.ph2
>>> expat-2.2.4-1.ph2
>>> iputils-20151218-4.ph2
>>> krb5-1.16-2.ph2
>>> libarchive-3.3.1-2.ph2
>>> libcap-2.25-7.ph2
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>>> e2fsprogs-1.43.4-2.ph2
>>> gcc-6.3.0-7.ph2
>>> iproute2-4.10.0-3.ph2
>>> iptables-1.6.1-4.ph2
>>> linux-esx-4.9.154-1.ph2
>>> logrotate-3.11.0-3.ph2
>>> mingetty-1.08-2.ph2
>>> net-tools-1.60-11.ph2
>>> procps-ng-3.3.15-2.ph2
>>> rpm-4.13.0.2-1.ph2
>>> tdnf-1.2.3-6.ph2
>>> util-linux-2.32-1.ph2

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>>> coreutils-8.27-3.ph2
>>> elfutils-0.169-3.ph2
>>> grep-3.0-4.ph2
>>> gzip-1.8-1.ph2
>>> haveged-1.9.1-4.ph2
>>> readline-7.0-2.ph2

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>>> gmp-6.1.2-2.ph2

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>>> glib-2.52.1-3.ph2

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>>> nspr-4.15-1.ph2
>>> nss-3.31.1-1.ph2

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Go support for leveled logs, analogous to https://code.google.com/p/google-glog

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google-api-go-client-dfa61ae24628a06502b9c2805d983b57e89399b5.tar.gz

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>>> go-martini/martini-22fa46961aabd2665cf3f1343b146d20028f5071

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Go-nfs-client version 0.1

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>>> gogo_protobuf_gogoproto-6a92c871a8f5333cf106b2cdf937567208dbb2b7

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protobuf-6a92c871f8f5333cf106b2cdf937567208dbb2b7
protobuf-6a92c871f8f5333cf106b2cdf937567208dbb2b7/vanity\test\proto3.proto

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protobuf-6a92c871a8f5333cf106b2cdf937567208dbb2b7/codec/codec.go

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>>> goji/param-d7f49fd7d1ed53fd562e737a8b5bbcc7e3d925e2

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>>> graylog2_go-gelf_gelf-master

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```bash
>>> stretchr_objx-1a9d0bb9f541897e62256577b352fdbc1fb4fd94

objx - by Mat Ryer and Tyler Bunnell

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>>> tomb_v1-dd632973f1e7218eb1089048e0798ec9ae7dceb8

tomb - support for clean goroutine termination in Go.

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graceful-1.2.15.zip/graceful-1.2.15/limit_listen.go

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>>> ugorji_go_codec-708a42d246822952f38190a8d8c4e6b16a0e600c

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```python
>>> x_net_context-a6577fac2d73be281a500b310739095313165611
```

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tools-381149a2d6e5d8f319ccf04bfe0c71e0faa38b86f/ cmd/goyacc/yacc.go

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+build appengine

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package short

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

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

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This is a plain C recursive-descent translation of an old public-domain YACC grammar that has been used for parsing dates in very many open-source projects.

Since the original authors were generous enough to donate their work to the public domain, I feel compelled to match their generosity.
Tim Kientzle, February 2009.

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libarchive-3.3.1.tar.gz\libarchive-3.3.1.tar\libarchive-3.3.1\libarchive\mtree.5

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>>> libcap-2.25-7.ph2

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mt19937int.out is attached (2001/4/2)

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Compiler: JavaScript

This file contains the methods necessary to implement a simple tree view
for the table of content with a resizable splitter and Ajax support to
load tree nodes on demand. It also contains the script necessary to do
full-text searches.

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Bison implementation for Yacc-like parsers in C


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- TSS has been removed
- MD5 is now external, in the OpenSSL library
- RC4 support has been replaced with ARC4 support from OpenSSL
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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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TH su 1 "18 August 1999" "GNU Shell Utilities 20"

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chkconfig: 2345 11 89
description: sets up CBQ-based traffic control

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Maciej Soltysiak <solt@dns.toxicfilms.tv>
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```

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```

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Reasonably optimised generic C-code for memcpy on Microblaze
This is generic C code to do efficient, alignment-aware memcpy.

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This code offers a very basic support for this EISA bus present in the SGI Indigo-2. It currently only supports PIO (forget about DMA for the time being). This is enough for a low-end ethernet card, but forget about your favorite SCSI card...

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http://lwn.net/Kernel/LDD3/

A more complete resource is the third edition of "Linux Device Drivers" by Jonathan Corbet, Alessandro Rubini, and Greg Kroah-Hartman. LDD3 is available for free (under Creative Commons License) from:

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However, keep in mind that all documents are subject to "bit rot". Refer to the source code if things are not working as described here.

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procps-ng-3.3.15.tar.xz\procps-ng-3.3.15.tar\procps-ng-3.3.15\mkinstalldirs

mkinstalldirs --- make directory hierarchy
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pmap.c - print process memory mapping
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Based on scriptreplay.pl by Joey Hess <joey@kitenet.net>

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2.32\misc-utils\uuidparse.c

uuidparse.c --- Interpret uuid encoded information. This program
violates the UUID abstraction barrier by reaching into the
guts of a UUID.

Based on libuuid/src/uuid_time.c
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From Simon Josefsson
-- derivated from coreutils m4/warnings.m4

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setpwnam.c -- edit an entry in a password database.

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Edited 11/10/96 (DD/MM/YY ;-) by Nicolai Langfeldt (janl@math.uio.no)
to read /etc/passwd directly so that passwd, chsh and chfn can work on
machines that run NIS (previously YP). Changes will not be made to
usernames starting with +.

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Usage:
1) get a struct passwd from getpwnam().
You should assume a struct passwd has an infinite number of fields, so
you should not try to create one from scratch.
2) edit the fields you want to edit.
3) call setpwnam() with the edited struct passwd.

A _normal user_ program should never directly manipulate etc/passwd but
/use getpwnam() and (family, as well as) setpwnam().

But, setpwnam was made to _edit_ the password file. For use by chfn,
chsh and passwd, _I_ _HAVE_ to read and write /etc/passwd directly. Let
those who say nay be forever silent and think about how getpwnam (and
family) works on a machine running YP.

Added checks for failure of malloc() and removed error reporting to
stderr, this is a library function and should not print on the screen,
but return appropriate error codes.
27-Jan-97 - poe@daimi.aau.dk

Thanks to "two guys named Ian".

$Author: poer $
$Revision: 1.13 $
$Date: 1997/06/23 08:26:29 $

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2.32\libmount\python\pylibmount.c

Python bindings for the libmount library.

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Written by Ondrej Oprala and Karel Zak

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Bison implementation for Yacc-like parsers in C


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tool.c -- Functions for handling errors.

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bash-4.4.tar.gz/bash-4.4.tar/bash-4.4/parser-built

A Bison parser, made by GNU Bison 3.0.4.

Bison interface for Yacc-like parsers in C


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bash-4.4.tar.gz/bash-4.4.tar/bash-4.4/lib/sh/inet_aton.c

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(Mostly) portable public-domain implementation -- D A Gwyn

This implementation of the PWB library alloca function,
which is used to allocate space off the run-time stack so
that it is automatically reclaimed upon procedure exit,
was inspired by discussions with J. Q. Johnson of Cornell.
J.Otto Tennant <jot@cray.com> contributed the Cray support.

There are some preprocessor constants that can
be defined when compiling for your specific system, for
improved efficiency; however, the defaults should be okay.

The general concept of this implementation is to keep
track of all alloca-allocated blocks, and reclaim any
that are found to be deeper in the stack than the current
invocation. This heuristic does not reclaim storage as
soon as it becomes invalid, but it will do so eventually.

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alloca.c -- allocate automatically reclaimed memory
(Mostly) portable public-domain implementation -- D A Gwyn

This implementation of the PWB library alloca function, which is used to allocate space off the run-time stack so that it is automatically reclaimed upon procedure exit, was inspired by discussions with J. Q. Johnson of Cornell. J.Otto Tennant <jot@cray.com> contributed the Cray support.

There are some preprocessor constants that can

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be defined when compiling for your specific system, for improved efficiency; however, the defaults should be okay.

The general concept of this implementation is to keep track of all alloca-allocated blocks, and reclaim any that are found to be deeper in the stack than the current invocation. This heuristic does not reclaim storage as soon as it becomes invalid, but it will do so eventually.

As a special case, alloca(0) reclaims storage without allocating any. It is a good idea to use alloca(0) in your main control loop, etc. to force garbage collection.

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DRBG: Deterministic Random Bits Generator
Based on NIST Recommended DRBG from NIST SP800-90A with the following properties:
CTR DRBG with DF with AES-128, AES-192, AES-256 cores
Hash DRBG with DF with SHA-1, SHA-256, SHA-384, SHA-512 cores
HMAC DRBG with DF with SHA-1, SHA-256, SHA-384, SHA-512 cores
with and without prediction resistance

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Test Socket Type

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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 operantes, 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
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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Ty Coon, President of Vice

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Version 2.1, February 1999

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

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

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

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

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

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

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

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

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

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

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

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under
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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 distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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

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

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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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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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-------------- SECTION 21: SIL Open Font License, V1.1 ------------

SIL OPEN FONT LICENSE

Version 1.1 - 26 February 2007

PREAMBLE

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=LPGPPL Version 1.3c 2008-05-04

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======================
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The licensing functionality described here is available only in [Consul Enterprise](https://www.hashicorp.com/products/consul/) version 1.1.0 and later.

## Getting the Consul License

This endpoint gets information about the current license.

<table>
<thead>
<tr>
<th>Method</th>
<th>Path</th>
<th>Produces</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>GET</code></td>
<td><code>/operator/license</code></td>
<td><code>application/json</code></td>
</tr>
</tbody>
</table>

The table below shows this endpoint's support for [blocking queries](/api/features/blocking.html), [consistency modes](/api/features/consistency.html), [agent caching](/api/features/caching.html), and [required ACLs](/api/index.html#authentication).

<table>
<thead>
<tr>
<th>Blocking Queries</th>
<th>Consistency Modes</th>
<th>Agent Caching</th>
<th>ACL Required</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>NO</code></td>
<td><code>all</code></td>
<td><code>none</code></td>
<td><code>none</code></td>
</tr>
</tbody>
</table>

### Parameters

- `dc` *(string: "")* - Specifies the datacenter whose license should be retrieved.  
  This will default to the datacenter of the agent serving the HTTP request.  
  This is specified as a URL query parameter.

### Sample Request

```
$ curl \
```

```
text
```

---

layout: api
page_title: License - Operator - HTTP API
sidebar_current: api-operator-license
description: |

The /operator/license endpoints allow for setting and retrieving the Consul Enterprise License.

---

# License - Operator HTTP API

```
```
http://127.0.0.1:8500/v1/operator/license

### Sample Response

```json
{
  "Valid": true,
  "License": {
    "license_id": "2afbf681-0d1a-0649-cb6c-333ec9f0989c",
    "customer_id": "0259271d-8ffec-885e-0830-c0822c1f5f2b",
    "installation_id": "*",
    "issue_time": "2018-05-21T20:03:35.911567355Z",
    "start_time": "2018-05-21T04:00:00Z",
    "expiration_time": "2019-05-22T03:59:59.999Z",
    "product": "consul",
    "flags": {
      "package": "premium"
    },
    "features": [
      "Automated Backups",
      "Automated Upgrades",
      "Enhanced Read Scalability",
      "Network Segments",
      "Redundancy Zone",
      "Advanced Network Federation"
    ],
    "temporary": false
  },
  "Warnings": []
}
```

## Updating the Consul License

This endpoint updates the Consul license and returns some of the license contents as well as any warning messages regarding its validity.

<table>
<thead>
<tr>
<th>Method</th>
<th>Path</th>
<th>Produces</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>PUT</code></td>
<td><code>/operator/license</code></td>
<td><code>application/json</code></td>
</tr>
</tbody>
</table>

The table below shows this endpoint's support for [blocking queries](/api/features/blocking.html), [consistency modes](/api/features/consistency.html), [agent caching](/api/features/caching.html), and [required ACLs](/api/index.html#authentication).
<table>
<thead>
<tr>
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<th>Consistency Modes</th>
<th>Agent Caching</th>
<th>ACL Required</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>NO</code></td>
<td><code>none</code></td>
<td><code>none</code></td>
<td><code>operator:write</code></td>
</tr>
</tbody>
</table>

### Parameters

- `dc` (string: `""`) - Specifies the datacenter whose license should be updated. This will default to the datacenter of the agent serving the HTTP request. This is specified as a URL query parameter.

### Sample Payload

The payload is the raw license blob.

### Sample Request

```
text
$ curl \
  --request PUT \
  --data @consul.license \
  http://127.0.0.1:8500/v1/operator/license \
```

### Sample Response

```
json
{
  "Valid": true,
  "License": {
    "license_id": "2afbf681-0d1a-0649-cb6c-333ec9f0989c",
    "customer_id": "0259271d-8ffc-e85e-0830-c0822c1f5f2b",
    "installation_id": "*",
    "issue_time": "2018-05-21T20:03:35.911567355Z",
    "start_time": "2018-05-21T04:00:00Z",
    "expiration_time": "2019-05-22T03:59:59.999Z",
    "product": "consul",
    "flags": {
      "package": "premium"
    },
    "features": [
      "Automated Backups",
      "Automated Upgrades",
      "Enhanced Read Scalability",
      "Network Segments",
      "Redundancy Zone",
      "Advanced Network Federation"
    ],
    "temporary": false
  }
}
```
## Resetting the Consul License

This endpoint resets the Consul license to the license included in the Enterprise binary. If the included license is not valid, the replace will fail.

<table>
<thead>
<tr>
<th>Method</th>
<th>Path</th>
<th>Produces</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>DELETE</code></td>
<td><code>/operator/license</code></td>
<td><code>application/json</code></td>
</tr>
</tbody>
</table>

The table below shows this endpoint's support for [blocking queries](/api/features/blocking.html), [consistency modes](/api/features/consistency.html), [agent caching](/api/features/caching.html), and [required ACLs](/api/index.html#authentication).

<table>
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<th>Agent Caching</th>
<th>ACL Required</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>NO</code></td>
<td><code>none</code></td>
<td><code>none</code></td>
<td><code>operator:write</code></td>
</tr>
</tbody>
</table>

### Parameters

- `dc` (string: `""`) - Specifies the datacenter whose license should be updated. This will default to the datacenter of the agent serving the HTTP request. This is specified as a URL query parameter.

### Sample Request

```text
$ curl 
--request DELETE 
http://127.0.0.1:8500/v1/operator/license
```

### Sample Response

```json
{
  "Valid": true,
  "License": {
    "license_id": "2afbf681-0d1a-0649-cb6c-333ec9f0989c",
    "customer_id": "0259271d-8ffc-e85e-0830-c0822c1f5f2b",
    "installation_id": "*",
    "issue_time": "2018-05-21T20:03:35.911567355Z",
  }
}```
"start_time": "2018-05-21T04:00:00Z",
"expiration_time": "2019-05-22T03:59:59.999Z",
"product": "consul",
"flags": {
    "package": "premium"
},
"features": [
    "Automated Backups",
    "Automated Upgrades",
    "Enhanced Read Scalability",
    "Network Segments",
    "Redundancy Zone",
    "Advanced Network Federation"
],
"temporary": false
},
"Warnings": []}
```
procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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    margin-bottom: 1em;
}
%notice-success::before {
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}
%notice-info::before {
    @extend %with-info-circle-fill-color-icon;
}
%notice-highlight::before {
    @extend %with-star-icon;
}
%notice-warning::before {
    @extend %with-alert-triangle-color-icon;
}
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}/**/
.notice.warning {
    @extend %notice-warning;
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package datatypes

// no documentation yet
type Legal_RegulatedWorkload struct {
    Entity
    Account *Account `json:"account,omitempty" xmlrpc:"account,omitempty"
    AccountId *int `json:"accountId,omitempty" xmlrpc:"accountId,omitempty"
    EnabledFlag *bool `json:"enabledFlag,omitempty" xmlrpc:"enabledFlag,omitempty"
    Id *int `json:"id,omitempty" xmlrpc:"id,omitempty"
    Type *Legal_RegulatedWorkload_Type `json:"type,omitempty" xmlrpc:"type,omitempty"
    WorkloadTypeId *int `json:"workloadTypeId,omitempty" xmlrpc:"workloadTypeId,omitempty"
}

type Legal_RegulatedWorkload_Type struct {
    Entity
    Id *int `json:"id,omitempty" xmlrpc:"id,omitempty"
    KeyName *string `json:"keyName,omitempty" xmlrpc:"keyName,omitempty"
}
Name *string `json:"name,omitempty" xmlrpc:"name,omitempty"
}
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1.352 gl-matrix 2.8.1

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1.353 iancoleman-strcase v0.0.0-20191112232945-16388991a334

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1.354 java-cacerts 1.0-r0

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#
# Automatically generated by apkbuild-cpan, template 1
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pkgname=perl-bsd-resource
_pkgreal=BSD-Resource
pkgver=1.2911
pkgrel=3
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource"
arch="all"
license="GPL-1.0-or-later OR Artistic-1.0-Perl"
makedepends="perl-dev"
subpackages="$_pkgreal-doc"
source="http://search.cpan.org/CPAN/authors/id/J/JH/JHI/$_pkgreal-$pkgver.tar.gz"

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

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

build() {
    export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
    make
}

check() {
    make test
}

package() {
    make DESTDIR="$pkgdir" install
    find "$pkgdir" \( -name perllocal.pod -o -name .packlist \) -delete
}
sha512sums="d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb6b2067daedaf53bd15fb6561a3d0f828df16df5417f663b8065baa5f4feael6dc926728b3b6b85 BSD-Resource-1.2911.tar.gz"
# Contributor: Fabian Affolter <fabian@affolter-engineering.ch>
# Maintainer: Fabian Affolter <fabian@affolter-engineering.ch>
pkgname=py3-flake8-copyright
_pkgname=flake8-copyright
pkgver=0.2.2
pkgrel=1
pkgdesc="Extension for flake8 which checks for copyrights"
options=":!check" # No testsuite
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="py3-flake8 py3-setuptools"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/${_pkgname}/${_pkgname}-${pkgver}.tar.gz"
builddir="$srcdir/${_pkgname}-${pkgver}"
replaces="py-flake8-copyright" # Backwards compatibility
provides="py-flake8-copyright=${pkgver}-r${pkgrel}" # Backwards compatibility

build() {
    python3 setup.py build
}

test() {
    python3 setup.py install --prefix=/usr --root="$pkgdir"
}

sha512sums="8ade49f386e67d14e4b826946b947454cf2502ff249a9ab1d359f61fa42ebc2b17dd465708894cf82ff153f0be1bed746464220d40d9d4dc1b07940ec280f28 flake8-copyright-0.2.2.tar.gz"
diff --git a/tests/t0501-duplicate.sh b/tests/t0501-duplicate.sh
index 66d321a..0520131 100644
--- a/tests/t0501-duplicate.sh
+++ b/tests/t0501-duplicate.sh
@@ -18,7 +18,11 @@
.. "${srcdir=:.}/init.sh": path_prepend_ ../parted .
+    if [ "$St" = bsd ] && [ "$Sarch" = "s390x" ]; then
+        continue
+    fi
+    duplicate $St || fail=1
done
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pkgname=spdx-licenses
pkgver=3.7
pkgrel=0
pkgdesc="Various data formats for the SPDX License List"
url="https://spdx.org/
arch="noarch"
license="CC-BY-3.0"
source="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"

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 $subbuilddir/text/*.txt; do
local license=${i//[^\d]/}
echo $license >> "$subpkgdir/usr/share/spdx/license.lst"
done
}
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Avoid installing headers with mode 700.

--- a/CMake/utility.cmake
+++ b/CMake/utility.cmake
@@ -165,7 +165,7 @@
     getNameOfDir(CMAKE_CURRENT_SOURCE_DIR DIRNAME)
     if (${shouldInstall})
         if (NOT ${FULL_HEADER_PATH} MATCHES ".*_p.h$") # we don't want to install header files which are
-            install(FILES ${FULL_HEADER_PATH} DESTINATION "include/${DIRNAME}/${REL_PATH}"
+            install(FILES ${FULL_HEADER_PATH} DESTINATION "include/${DIRNAME}/${REL_PATH}"
             PERMISSIONS OWNER_READ)
         endif()
     endif()
     endforeach()
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pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=5
pkgdesc="A library for high-performance 2D graphics"
url="http://www.levien.com/libart/
arch="all"
options="!check"  # No test suite.
license="LGPL-2.0+"
depends=
makedepends=
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/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="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba2817e76654309e001aee9bace727b5b4c8589405256a3c020 libart_lgpl-2.3.21.tar.bz2"
    --- a/main.c
    +++ b/main.c
    @@ -33,7 +33,7 @@
    #include "extern.h"
    #define AGREEMENT "https://letsencrypt.org" \
        - "/documents/LE-SA-v1.1.1-August-1-2016.pdf"
    #define SSL_DIR "/etc/ssl/acme"
    #define SSL_PRIV_DIR "/etc/ssl/acme/private"
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 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1022263412_1596474469.4/0/foo-zip/foo/src/index.js
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Font Awesome
==============

Shim repository for Font Awesome.

The full suite of pictographic icons, examples, and documentation can be found at:
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-----------------

* [Bower](http://bower.io): `components-font-awesome`
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1.366 @hapi/statehood 6.1.2

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1.367 worker-farm 1.6.0

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1.368 libc 2.31-13

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1.370 ms 0.7.3

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1.374 logstash-codec-multiline 3.0.10

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1.375 coredns-coredns v1.1.2

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1.377 calebcase-tmpfile v1.0.2

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1.378 libkeyutils 1.6-6

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<signature of Ty Coon>, 1 April 1989
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The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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

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

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

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

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

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

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

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

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

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

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

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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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1.382 spdylay 1.4.0

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#define UV_IO_PRIVATE_PLATFORM_FIELDS
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int wcount;\

#endif UV_BSD_H
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1.384 spdx-license-ids 3.0.7

1.384.1 Available under license:

```
root = true

[*]
charset = utf-8
end_of_line = lf
indent_style = tab
tab_width = 2
insert_final_newline = true
trim_trailing_whitespace = true

[*.md,yml]]
indent_style = space
```
A list of [SPDX license](https://spdx.org/licenses/) identifiers

## Installation

[Download JSON directly](https://raw.githubusercontent.com/shinnn/spdx-license-ids/master/index.json), or [use](https://docs.npmjs.com/cli/install) [npm](https://docs.npmjs.com/about-npm):

```bash
npm install spdx-license-ids
```

## [Node.js](https://nodejs.org/) API

```javascript
const ids = require('spdx-license-ids');
//=> ['0BSD', 'AAL', 'ADSL', 'AFL-1.1', 'AFL-1.2', 'AFL-2.0', 'AFL-2.1', 'AFL-3.0', 'AGPL-1.0-only', ...
```

ids.includes('BSD-3-Clause'); //=> true
ids.includes('CC-BY-1.0'); //=> true
ids.includes('GPL-3.0'); //=> false
```javascript
const deprecatedIds = require('spdx-license-ids/deprecated');
//=> ['AGPL-1.0', 'AGPL-3.0', 'GFDL-1.1', 'GFDL-1.2', 'GFDL-1.3', 'GPL-1.0', 'GPL-2.0', ...]

deprecatedIds.includes('BSD-3-Clause'); //=> false
deprecatedIds.includes('CC-BY-1.0'); //=> false

deprecatedIds.includes('GPL-3.0'); //=> true
```

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name: 'Check Latest SPDX License List'
on:
  workflow_dispatch:
    inputs: { }
schedule:
  - cron: '0 0 */7 * *'
jobs:
  check:
    runs-on: ubuntu-latest
    steps:
      - uses: actions/checkout@v2
      - uses: actions/setup-node@v1
      - run: npm run latest
[*_.workflow]
  indent_style = space

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name: 'Check Latest SPDX License List'
on:
  workflow_dispatch:
    inputs: { }
schedule:
  - cron: '0 0 */7 * *'
jobs:
  check:
    runs-on: ubuntu-latest
    steps:
      - uses: actions/checkout@v2
      - uses: actions/setup-node@v1
      - run: npm run latest
[*_.workflow]
  indent_style = space

### require('spdx-license-ids/deprecated')

Type: `string[]`

Deprecated license IDs.

```javascript
const deprecatedIds = require('spdx-license-ids/deprecated');
//=> ['AGPL-1.0', 'AGPL-3.0', 'GFDL-1.1', 'GFDL-1.2', 'GFDL-1.3', 'GPL-1.0', 'GPL-2.0', ...]

deprecatedIds.includes('BSD-3-Clause'); //=> false
deprecatedIds.includes('CC-BY-1.0'); //=> false

deprecatedIds.includes('GPL-3.0'); //=> true
```

## License

### require('spdx-license-ids/deprecated')

Type: `string[]`

Deprecated license IDs.
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1.389 rsync 3.1.2-1+deb9u1
1.389.1 Available under license :

This is Debian's prepackaged version of Andrew Tridgell and
Paul Mackerras' rsync utility.

This package provides the rsync program, which is a replacement
for rcp that uses the rsync algorithm to transfer only the
differences between two sets of files.

This package was put together by Philip Hands <phil@hands.com>,
from sources obtained from:
http://rsync.samba.org/ftp/rsync/rsync-2.5.4.tar.gz
The current version was downloaded from:
http://rsync.samba.org/ftp/rsync/src/rsync-3.1.0.tar.gz
on 2013-09-30 by Paul Slootman <paul@debian.org>.

The changes were very minimal - merely adding support for the Debian
package maintenance scheme by adding various debian/* files.
The only significant change is passing the -4 / -6 options through to ssh.
See the debian/patches/ directory.

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Version 3, 29 June 2007

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1.390 pug-walk 2.0.0

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1.391 tevent 0.9.39 1.el7

1.391.1 Available under license :
/*
   Unix SMB/CIFS implementation.

   generalised event loop handling

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1.392 go-systemd v0.0.0-20180511133405-39ca1b05acc7

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1.395 babel-helper-hoist-variables 6.24.1

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1.396 libyaml 0.1.4 11.el7_0

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1.397 go-shellwords v1.0.5

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1.398 constate 0.9.0

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1.399 is-plain-object 2.0.4
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1.400 js-yaml 3.13.1
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1.401 vm-browserify 0.0.4

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1.402 mpfr 4.0.2-r1

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1.413 @babel/plugin-transform-shorthand-properties 7.2.0

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1.414 robfig-cron 3.0.0

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1.415 python 2.7.18-8
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A. HISTORY OF THE SOFTWARE

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

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

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

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

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5.1.0

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s.add_runtime_dependency 'march_hare', ['~> 4.0'] # (MIT license)

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* /opt/cola/permits/1180672031_1626360954.85/0/logstash-plugins-logstash-mixin-rabbitmq-connection-v5-1-0-0-g3f851bb-1-tar-gz/logstash-plugins-logstash-mixin-rabbitmq_connection-3f851bb/logstash-mixin-rabbitmq_connection.gemspec

1.418 nghttp2 1.36.0-2+deb10u1

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David Megginson
david@megginson.com
2000-01-14

1.420 delegates 1.0.0-2

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1.421 dash 0.5.8 2.4

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1.423 knz-go-libedit v1.10.1

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 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/slave/kpropd_rpc.c
 lib/libgss/g_accept_sec_context.c
 lib/libgss/g_acquire_cred.c
 lib/libgss/g_canon_name.c
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lib/libgss/g_utils.c
lib/libgss/g_verify.c
lib/libgss/gssd_pname_to_uid.c
uts/common/gssapi/include/gssapi_err_generic.h
uts/common/gssapi/include/mechglueP.h

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lib/gssapi/generic/gssapi_err_generic.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
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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1.427 evp_bytestokey 1.0.3

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1.428 grpc-go v1.29.1

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1.430 dumb-init 1.2.5-1

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1.442 @babel/helper-wrap-function 7.1.0

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1.443 logstash-codec-es_bulk 3.0.8

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1.449 process 0.11.10

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1.455 gocql v0.0.0-20210401103645-80ab1e13e309

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1.458 @babel/plugin-transform-async-to-generator 7.3.4

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1.460 d3-scale-chromatic 1.2.0

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1.461 is-core-module 2.2.0

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1.462 libxcb 1.12 1

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1.463 topo 2.0.2

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1.464 graphql-anywhere 4.1.16

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1.465 is-hexadecimal 1.0.1

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1.466 vega-typings 0.2.15

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1.467 kubernetes-api v0.16.9

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1.474 npm-audit-report 2.1.4

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1.477 map-visit 1.0.0

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1.478 commander 2.8.1

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1.479 jcmtturner-rpc v2.0.2

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1.480 har-validator 5.1.3

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1.482 connect-api 2.7.1

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1.483 angular-recursion 1.0.5

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1.486 input-control-vis kibana

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1.487 tzdata 2019a-0+deb9u1

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1.488 unf 0.1.4-java

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1.489 tinyqueue 1.2.3

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package org.eclipse.text.edits;

import org.eclipse.jface.text.BadLocationException;
import org.eclipse.jface.text.IDocument;

/**
* A <code>CopyingRangeMarker</code> can be used to track positions when executing
* text edits. Additionally a copying range marker stores a local copy of the
* text it captures when it gets executed.
*
* @since 3.0
*/

public final class CopyingRangeMarker extends TextEdit {

private String fText;

/**
* Creates a new <tt>CopyRangeMarker</tt> for the given
* offset and length.
*
* @param offset the marker's offset
* @param length the marker's length
*/
public CopyingRangeMarker(int offset, int length) {
    super(offset, length);
}
private CopyingRangeMarker(CopyingRangeMarker other) {
    super(other);
    fText = other.fText;
}

protected TextEdit doCopy() {
    return new CopyingRangeMarker(this);
}

protected void accept0(TextEditVisitor visitor) {
    boolean visitChildren = visitor.visit(this);
    if (visitChildren) {
        acceptChildren(visitor);
    }
}

/* non Java-doc
 * @see TextEdit#doCopy
 */

protected void accept0(TextEditVisitor visitor) {
    boolean visitChildren = visitor.visit(this);
    if (visitChildren) {
        acceptChildren(visitor);
    }
}

/* non Java-doc
 * @see TextEdit#accept0
 */

/* package */ int performDocumentUpdating(IDocument document) throws BadLocationException {
    fText = document.get(getOffset(), getLength());
    fDelta = 0;
    return fDelta;
}

/* non Java-doc
 * @see TextEdit#deleteChildren
 */

/* package */ boolean deleteChildren() {
    return false;
}

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1.496 drpc v0.0.14

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1.497 libcap 2.44-1

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

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

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

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

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

------
Oracle OpenJDK

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

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPLv2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

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

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

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Apache

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

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MortBay

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

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville. Permission to use, copy, modify and distribute UnixCrypt for non-commercial or commercial purposes and without fee is granted provided that the copyright notice appears in all copies.
1.501 babel-plugin-transform-es2015-object-super 6.24.1

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License: within src/os/solaris/get_mib2.[ch]

- getline by Chris Thewalt -
Information: http://tinyurl.com/r438r
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* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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1.523 json 1.8.6

1.523.1 Available under license :

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/* Portions of the Selector class are derived from Jack Slocum’s DomQuery,
* part of YUI-Ext version 0.40, distributed under the terms of an MIT-style
* license. Please see http://www.yui-ext.com/ for more information. */

Found in path(s):
* /opt/cola/permits/1155786218_1619044692.05/0/flori-json-v1-8-6-0-g7f4cfd8-tar-gz/flori-json-7f4cfd8/data/prototype.js
No license file was found, but licenses were detected in source scan.

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Found in path(s):
* /opt/cola/permits/1155786218_1619044692.05/0/flori-json-v1-8-6-0-g7f4cfd8-tar-gz/flori-json-7f4cfd8/java/src/json/ext/Parser.rl
No license file was found, but licenses were detected in source scan.

2017-01-13 (1.8.6)
* Be compatible with ancient ruby 1.8 (maybe?)
2015-09-11 (1.8.5)
* Be compatible with ruby 2.4.0
* There were still some mentions of dual GPL licensing in the source, but JSON has just the Ruby license that itself includes an explicit dual-licensing clause that allows covered software to be distributed under the terms of the Simplified BSD License instead for all ruby versions >= 1.9.3. This is however a GPL compatible license according to the Free Software Foundation. I changed these mentions to be consistent with the Ruby license setting in the gemspec files which were already correct now.
--------- (1.8.4) Skipped.
2015-06-01 (1.8.3)
* Fix potential memory leak, thx to nobu.
2015-01-08 (1.8.2)
* Some performance improvements by Vipul A M <vipulnsward@gmail.com>.
* Fix by Jason R. Clark <jclark@newrelic.com> to avoid mutation of JSON.dump_default_options.
* More tests by Michael Mac-Vicar <mmacvicar@gmail.com> and fixing space_before accessor in generator.
* Performance on Jruby improvemed by Ben Browning <bbrownin@redhat.com>.
* Some fixes to be compatible with the new Ruby 2.2 by Zachary Scott <e@zzak.io> and SHIBATA Hiroshi <hsbt@ruby-lang.org>.
2013-05-13 (1.8.1)
* Remove Rubinius exception since transcoding should be working now.
2013-05-13 (1.8.0)
* Fix https://github.com/flori/json/issues/162 reported by Marc-Andre Lafortune <github_rocks@marc-andre.ca>. Thanks!
* Applied patches by Yui NARUSE <naruse@airemix.jp> to suppress warning with -Wchar-subscripts and better validate UTF-8 strings.
* Applied patch by ginriki@github to remove unnecessary if.
* Add load/dump interface to JSON::GenericObject to make serialize :some_attribute, JSON::GenericObject
work in Rails active models for convenient SomeModel#some_attribute.foo.bar
access to serialised JSON data.

2013-02-04 (1.7.7)
* Security fix for JSON create_additions default value and
JSON::GenericObject. It should not be possible to create additions unless
explicitly requested by setting the create_additions argument to true or
using the JSON.load/dump interface. If JSON::GenericObject is supposed to
be automatically deserialised, this has to be explicitly enabled by
setting

JSON::GenericObject.json_creatable = true

as well.
* Remove useless assert in fbuffer implementation.
* Apply patch attached to https://github.com/flori/json/issues#issue/155
  provided by John Shahid <jvshahid@gmail.com>, Thx!
* Add license information to rubygems spec data, reported by Jordi Massaguer Pla <jmassaguerpla@suse.de>.
* Improve documentation, thx to Zachary Scott <zachary@zacharyscott.net>.

2012-11-29 (1.7.6)
* Add GeneratorState#merge alias for JRuby, fix state accessor methods. Thx to
  jvshahid@github.
* Increase hash likeness of state objects.

2012-08-17 (1.7.5)
* Fix compilation of extension on older rubies.

2012-07-26 (1.7.4)
* Fix compilation problem on AIX, see https://github.com/flori/json/issues/142

2012-05-12 (1.7.3)
* Work around Rubinius encoding issues using iconv for conversion instead.

2012-05-11 (1.7.2)
* Fix some encoding issues, that cause problems for the pure and the
  extension variant in jruby 1.9 mode.

2012-04-28 (1.7.1)
* Some small fixes for building

2012-04-28 (1.7.0)
* Add JSON::GenericObject for method access to objects transmitted via JSON.

2012-04-27 (1.6.7)
* Fix possible crash when trying to parse nil value.

2012-02-11 (1.6.6)
* Propagate src encoding to values made from it (fixes 1.9 mode converting
everything to ascii-8bit; harmless for 1.8 mode too) (Thomas E. Enebo
  <tom.enebo@gmail.com>), should fix
* Fix https://github.com/flori/json/issues#issue/117

2012-01-15 (1.6.5)
* Vit Ondruch <v.ondruch@tiscali.cz> reported a bug that shows up when using
  optimisation under GCC 4.7. Thx to him, Bohuslav Kabrda
  <bkabra@redhat.com> and Yui NARUSE <naruse@airemix.jp> for debugging and
developing a patch fix.

2011-12-24 (1.6.4)
* Patches that improve speed on JRuby contributed by Charles Oliver Nutter
  <headius@headius.com>.
* Support object_class/array_class with duck typed hash/array.
2011-12-01 (1.6.3)
* Let JSON.load('') return nil as well to make mysql text columns (default to
  '') work better for serialization.
2011-11-21 (1.6.2)
* Add support for OpenStruct and BigDecimal.
* Fix bug when parsing nil in quirks_mode.
* Make JSON.dump and JSON.load methods better cooperate with Rails' serialize
  method. Just use: serialize :value, JSON
* Fix bug with time serialization concerning nanoseconds. Thanks for the
  patch go to Josh Partlow (jpartlow@github).
* Improve parsing speed for JSON numbers (integers and floats) in a similar way to
  what Evan Phoenix <evan@phx.io> suggested in:
  https://github.com/flori/json/pull/103
2011-09-18 (1.6.1)
* Using -target 1.5 to force Java bits to compile with 1.5.
2011-09-12 (1.6.0)
* Extract utilities (prettifier and GUI-editor) in its own gem json-utils.
* Split json/add/core into different files for classes to be serialised.
2011-08-31 (1.5.4)
* Fix memory leak when used from multiple JRuby. (Patch by
  jfirebaugh@github).
* Apply patch by Eric Wong <nocode@yhbt.net> that fixes garbage collection problem
  reported in https://github.com/flori/json/issues/46.
* Add :quirks_mode option to parser and generator.
* Add support for Rational and Complex number additions via json/add/complex
  and json/add/rational requires.
2011-06-20 (1.5.3)
* Alias State#configure method as State#merge to increase duck type synonymy with Hash.
* Add as_json methods in json/add/core, so rails can create its json objects
  the new way.
2011-05-11 (1.5.2)
* Apply documentation patch by Cory Monty <cory.monty@gmail.com>.
* Add gems specs for json and json_pure.
* Fix bug in jruby pretty printing.
* Fix bug in object_class and array_class when inheriting from Hash or Array.
2011-01-24 (1.5.1)
* Made rake-compiler build a fat binary gem. This should fix issue
  https://github.com/flori/json/issues#issue/54.
2011-01-22 (1.5.0)
* Included Java source codes for the Jruby extension made by Daniel Luz
  <dev@mernen.com>.
* Output full exception message of deep_const_get to aid debugging.
* Fixed an issue with ruby 1.9 Module#const_defined? method, that was
  reported by Riley Goodside.
2010-08-09 (1.4.6)
* Fixed oversight reported in http://github.com/flori/json/issues/closed#issue/23, always create a new object from the state prototype.
* Made pure and ext api more similar again.
2010-08-07 (1.4.5)
* Manage data structure nesting depth in state object during generation. This should reduce problems with to_json method definitions that only have one argument.
* Some fixes in the state objects and additional tests.
2010-08-06 (1.4.4)
2010-05-05 (1.4.3)
* Fixed some test assertions, from Ruby r27587 and r27590, patch by nobu.
* Fixed issue http://github.com/flori/json/issues/#issue/20 reported by electronicwhisper@github. Thx!
2010-04-26 (1.4.2)
* Applied patch from naruse Yui NARUSE <naruse@airemix.com> to make building with Microsoft Visual C possible again.
* Applied patch from devrandom <c1.github@niftybox.net> in order to allow building of json_pure if extensiontask is not present.
* Thanks to Dustin Schneider <dustin@stocktwits.com>, who reported a memory leak, which is fixed in this release.
* Applied 993f261cbb8911d2ae57e9db48ec7acd0187283 patch from josh@github.
2010-04-25 (1.4.1)
* Fix for a bug reported by Dan DeLeo <dan@kallistec.com>, caused by T_FIXNUM being different on 32bit/64bit architectures.
2010-04-23 (1.4.0)
* Major speed improvements and building with simplified directory/file-structure.
* Extension should at least be compatible with MRI, YARV and Rubinius.
2010-04-07 (1.2.4)
* Trigger const_missing callback to make Rails' dynamic class loading work.
2010-03-11 (1.2.3)
* Added a State#[] method which returns an attribute's value in order to increase duck type compatibility to Hash.
2010-02-27 (1.2.2)
* Made some changes to make the building of the parser/generator compatible to Rubinius.
2009-11-25 (1.2.1)
* Added :symbolize_names option to Parser, which returns symbols instead of strings in object names/keys.
2009-10-01 (1.2.0)
* fast_generate now raises an exception for nan and infinite floats.
* On Ruby 1.8 json supports parsing of UTF-8, UTF-16BE, UTF-16LE, UTF-32BE, and UTF-32LE JSON documents now. Under Ruby 1.9 the M17n conversion functions are used to convert from all supported encodings. ASCII-8BIT encoded strings are handled like all strings under Ruby 1.8 were.
* Better documentation
2009-08-23 (1.1.9)
* Added forgotten main doc file extra_rdoc_files.
2009-08-23 (1.1.8)
* Applied a patch by OZAWA Sakuro <sakuro@2238club.org> to make json/pure
  work in environments that don't provide iconv.
* Applied patch by okkez_ in order to fix Ruby Bug #1768:
* Finally got around to avoid the rather paranoid escaping of ?/ characters
  in the generator's output. The parsers aren't affected by this change.
  Thanks to Rich Apodaca <rapodaca@metamolecular.com> for the suggestion.
2009-06-29 (1.1.7)
* Security Fix for JSON::Pure::Parser. A specially designed string could
  cause catastrophic backtracking in one of the parser's regular expressions
  in earlier 1.1.x versions. JSON::Ext::Parser isn't affected by this issue.
  Thanks to Bartosz Blimke <bartosz@new-bamboo.co.uk> for reporting this
  problem.
* This release also uses a less strict ruby version requirement for the
  creation of the mswin32 native gem.
2009-05-10 (1.1.6)
* No changes.  tested native linux gems in the last release and they don't
  play well with different ruby versions other than the one the gem was built
  with. This release is just to bump the version number in order to skip the
  native gem on rubyforge.
2009-05-10 (1.1.5)
* Started to build gems with rake-compiler gem.
* Applied patch object/array class patch from Brian Candler
  <B.Candler@pobox.com> and fixes.
2009-04-01 (1.1.4)
* Fixed a bug in the creation of serialized generic rails objects reported by
  Friedrich Graeter <graeter@hydrixos.org>.
* Deleted tests/runner.rb, we're using testrb instead.
* Editor supports Infinity in numbers now.
* Made some changes in order to get the library to compile/run under Ruby
  1.9.
* Improved speed of the code path for the fast_generate method in the pure
  variant.
2008-07-10 (1.1.3)
* Wesley Beary <monki@geemus.com> reported a bug in json/add/core's DateTime
  handling: If the nominator and denominator of the offset were divisible by
  each other Ruby's Rational#to_s returns them as an integer not a fraction
  with '/'. This caused a ZeroDivisionError during parsing.
* Use Date#start and DateTime#start instead of sg method, while
  remaining backwards compatible.
* Supports ragel => 6.0 now.
* Corrected some tests.
* Some minor changes.
2007-11-27 (1.1.2)
* Remember default dir (last used directory) in editor.
* JSON::Editor.edit method added, the editor can now receive json texts from
the clipboard via C-v.
* Load json texts from an URL pasted via middle button press.
* Added :create_additions option to Parser. This makes it possible to disable
the creation of additions by force, in order to treat json texts as data
while having additions loaded.
* Jacob Maine <jmaine@blurb.com> reported, that JSON(:foo) outputs a JSON
object if the rails addition is enabled, which is wrong. It now outputs a
JSON string "foo" instead, like suggested by Jacob Maine.
* Discovered a bug in the Ruby Bugs Tracker on rubyforge, that was reported
by John Evans lgastako@gmail.com. He could produce a crash in the JSON
generator by returning something other than a String instance from a
to_json method. I now guard against this by doing a rather crude type
check, which raises an exception instead of crashing.
2007-07-06 (1.1.1)
* Yui NARUSE <naruse@airemix.com> sent some patches to fix tests for Ruby
1.9. I applied them and adapted some of them a bit to run both on 1.8 and
1.9.
* Introduced a JSON.parse! method without depth checking for people who like
danger.
* Made generate and pretty_generate methods configurable by an options hash.
* Added :allow_nan option to parser and generator in order to handle NaN,
Infinity, and -Infinity correctly - if requested. Floats, which aren't numbers,
aren't valid JSON according to RFC4627, so by default an exception will be
raised if any of these symbols are encountered. Thanks to Andrea Censi
<andrea.censi@dis.uniroma1.it> for his hint about this.
* Fixed some more tests for Ruby 1.9.
* Implemented dump/load interface of Marshal as suggested in ruby-core:11405
by murphy <murphy@rubychan.de>.
* Implemented the max_nesting feature for generate methods, too.
* Added some implementations for ruby core's custom objects for
 serialisation/deserialisation purposes.
2007-05-21 (1.1.0)
* Implemented max_nesting feature for parser to avoid stack overflows for
data from untrusted sources. If you trust the source, you can disable it
with the option max_nesting => false.
* Piers Cawley <spdcawley@bofh.org.uk> reported a bug, that not every
character can be escaped by ?\ as required by RFC4627. There's a
contradiction between David Crockford's JSON checker test vectors (in
tests/fixtures) and RFC4627, though. I decided to stick to the RFC, because
the JSON checker seems to be a bit older than the RFC.
* Extended license to Ruby License, which includes the GPL.
* Added keyboard shortcuts, and 'Open location' menu item to edit_json.rb.
2007-05-09 (1.0.4)
* Applied a patch from Yui NARUSE <naruse@airemix.com> to make JSON compile
under Ruby 1.9. Thank you very much for mailing it to me!
* Made binary variants of JSON fail early, instead of falling back to the
pure version. This should avoid overshadowing of eventual problems while loading of the binary.

2007-03-24 (1.0.3)
* Improved performance of pure variant a bit.
* The ext variant of this release supports the mswin32 platform. Ugh!

2007-03-24 (1.0.2)
* Ext Parser didn't parse 0e0 correctly into 0.0: Fixed!

2007-03-24 (1.0.1)
* Forgot some object files in the build dir. I really like that - not!

2007-03-24 (1.0.0)
* Added C implementations for the JSON generator and a ragel based JSON parser in C.
* Much more tests, especially fixtures from json.org.
* Further improved conformance to RFC4627.

2007-02-09 (0.4.3)
* Conform more to RFC4627 for JSON: This means JSON strings now always must contain exactly one object "{ ... }", or array "[ ... ]" in order to be parsed without raising an exception. The definition of what constitutes a whitespace is narrower in JSON than in Ruby (\[	
\r
\n\]), and there are differences in floats and integers (no octals or hexadecimals) as well.
* Added aliases generate and pretty_generate of unparse and pretty_unparse.
* Fixed a test case.
* Catch an Iconv::InvalidEncoding exception, that seems to occur on some Sun boxes with SunOS 5.8, if iconv doesn't support utf16 conversions. This was reported by Andrew R Jackson <andrewj@bcm.tmc.edu>, thanks a bunch!

2006-08-25 (0.4.2)
* Fixed a bug in handling solidi (/ characters), that was reported by Kevin Gilpin <kevin.gilpin@alum.mit.edu>.

2006-02-06 (0.4.1)
* Fixed a bug related to escaping with backslashes. Thanks for the report go to Florian Munz <surf@theflow.de>.

2005-09-23 (0.4.0)
* Initial Rubyforge Version

Found in path(s):
* /opt/cola/permits/1155786218_1619044692.05/0/flori-json-v1-8-6-0-g7f4cfd8-tar-gz/flori-json-
7f4cfd8/CHANGES

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/*
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*
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*/

Found in path(s):
* /opt/cola/permits/1155786218_1619044692.05/0/flori-json-v1-8-6-0-g7f4cfd8-tar-gz/flori-json-
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1.524 postcss-modules-scope 1.1.0

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1.525 libnspr 4.29-1

1.525.1 Available under license:

Format: http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
Upstream-Name: NSPR
Source: http://ftp.mozilla.org/pub/nspr/releases/

Files: *
License: MPL-2.0
On Debian systems the full text of the MPL-2.0 can be found in /usr/share/common-licenses/MPL-2.0.

1.526 object.getownpropertydescriptors 2.0.3

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1.527 pam 1.3.1-5

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

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

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

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

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

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

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

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

Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
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6. As an exception to the Sections above, you may also combine or
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modification of the work for the customer's own use and reverse
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directing the user to the copy of this License. Also, you must do one of these things:

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

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

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

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

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

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

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The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

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The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

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#+TITLE: List of code with permissive licenses as used by GnuPG.
#+STARTUP: showall

* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

--------------------------------------------------------------------------
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* Regular expression support

regexp/jimregexp.[ch]:

Originally:

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Subsequently modified by:

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1987 James A. Woods ames!jaw
1993 Christopher Seiwald seiwald@vix.com
2000, 2002 Christopher Seiwald <sewald@perforce.com>
2010 Steve Bennett <steveb@workware.net.au>
2020 NIIBE Yutaka <gniibe@fsij.org>

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regexp/utf8.[ch] (see regexp/LICENSE):

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1.529 google-cloud-go v0.88.0

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

package compute

import {
  "bytes"
  "context"
  "fmt"
  "io/ioutil"
  "net/http"
  "net/url"
  gax "github.com/googleapis/gax-go/v2"
  "google.golang.org/api/option"
  "google.golang.org/api/option/internaloption"
  httptransport "google.golang.org/api/transport/http"
  computepb "google.golang.org/genproto/googleapis/cloud/compute/v1"
  "google.golang.org/grpc"
  "google.golang.org/grpc/metadata"
  "google.golang.org/protobuf/encoding/protojson"
}

var newLicensesClientHook clientHook

// LicensesCallOptions contains the retry settings for each method of LicensesClient.
type LicensesCallOptions struct {
  Delete             []gax.CallOption
  Get                []gax.CallOption
  GetIamPolicy       []gax.CallOption
  Insert             []gax.CallOption
  List               []gax.CallOption
  SetIamPolicy       []gax.CallOption
  TestIamPermissions []gax.CallOption
}

// internalLicensesClient is an interface that defines the methods available from Google Compute Engine API.
type internalLicensesClient interface {
  Close() error
  setGoogleClientInfo(...string)
  Connection() *grpc.ClientConn
  Delete(context.Context, *computepb.DeleteLicenseRequest, ...gax.CallOption) (*computepb.Operation, error)
  Get(context.Context, *computepb.GetLicenseRequest, ...gax.CallOption) (*computepb.License, error)
  GetIamPolicy(context.Context, *computepb.GetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy, error)
  Insert(context.Context, *computepb.InsertLicenseRequest, ...gax.CallOption) (*computepb.Operation, error)
  SetIamPolicy(context.Context, *computepb.SetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy, error)
  TestIamPermissions(context.Context, *computepb.TestIamPermissionsLicenseRequest, ...gax.CallOption) (*computepb.IamPermissionsTestIamPermissionsResponse, error)
}
error)
TestIamPermissions(context.Context, *computepb.TestIamPermissionsLicenseRequest, ...gax.CallOption)
(*computepb.TestPermissionsResponse, error)
}

// LicensesClient is a client for interacting with Google Compute Engine API.
// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
// method calls.
//
// The Licenses API.
type LicensesClient struct {
    // The internal transport-dependent client.
    internalClient internalLicensesClient

    // The call options for this service.
    CallOptions *LicensesCallOptions
}

// Wrapper methods routed to the internal client.

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *LicensesClient) Close() error {
    return c.internalClient.Close()
}

// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *LicensesClient) setGoogleClientInfo(keyval ...string) {
    c.internalClient.setGoogleClientInfo(keyval...)
}

// Connection returns a connection to the API service.
//
// Deprecated.
func (c *LicensesClient) Connection() *grpc.ClientConn {
    return c.internalClient.Connection()
}

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are
// creating Cloud Marketplace images.
func (c *LicensesClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts ...gax.CallOption)
(*computepb.Operation, error) {
    return c.internalClient.Delete(ctx, req, opts...)
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners
who are creating Cloud Marketplace images.
func (c *LicensesClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption) (*computepb.License, error) {
    return c.internalClient.Get(ctx, req, opts...)
}

// GetIamPolicy gets the access control policy for a resource. May be empty if no such policy or resource exists.
Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest, opts ...gax.CallOption) (*computepb.Policy, error) {
    return c.internalClient.GetIamPolicy(ctx, req, opts...)
}

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-
party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts ...gax.CallOption) (*computepb.Operation, error) {
    return c.internalClient.Insert(ctx, req, opts...)
}

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that
belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a
list of publicly-available licenses, use this method to make a request to the respective image project, such as debian-
cloud or windows-cloud. Caution This resource is intended for use only by third-party partners who are creating
Cloud Marketplace images.
func (c *LicensesClient) List(ctx context.Context, req *computepb.ListLicensesRequest, opts ...gax.CallOption) (*computepb.LicensesListResponse, error) {
    return c.internalClient.List(ctx, req, opts...)
}

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This
resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest, opts ...gax.CallOption) (*computepb.Policy, error) {
    return c.internalClient.SetIamPolicy(ctx, req, opts...)
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is
intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) TestIamPermissions(ctx context.Context, req *computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse, error) {
    return c.internalClient.TestIamPermissions(ctx, req, opts...)
}

// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
type licensesRESTClient struct {
// The http endpoint to connect to.
endpoint string

// The http client.
httpClient *http.Client

// The x-goog-* metadata to be sent with each request.
xGoogMetadata metadata.MD

// NewLicensesRESTClient creates a new licenses rest client.
//
// The Licenses API.
func NewLicensesRESTClient(ctx context.Context, opts ...option.ClientOption) (*LicensesClient, error) {
    clientOpts := append(defaultLicensesRESTClientOptions(), opts...)
    httpClient, endpoint, err := httptransport.NewClient(ctx, clientOpts...)
    if err != nil {
        return nil, err
    }
    c := &licensesRESTClient{
        endpoint:   endpoint,
        httpClient: httpClient,
    }
    c.setGoogleClientInfo()

    return &LicensesClient{internalClient: c, CallOptions: &LicensesCallOptions{}, nil}
}

func defaultLicensesRESTClientOptions() []option.ClientOption {
    return []option.ClientOption{
        internaloption.WithDefaultEndpoint("https://compute.googleapis.com"),
        internaloption.WithDefaultMTLSEndpoint("https://compute.mtls.googleapis.com"),
        internaloption.WithDefaultAudience("https://compute.googleapis.com/"),
        internaloption.WithDefaultScopes(DefaultAuthScopes()...),
    }
}

// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *licensesRESTClient) setGoogleClientInfo(keyval ...string) {
    kv := append(kv, "gl-go", versionGo(), keyval...)
    kv = append(kv, "gapic", versionClient, "gax", gax.Version, "rest", "UNKNOWN")
    c.xGoogMetadata = metadata.Pairs("x-goog-api-client", gax.XGoogHeader(kv...))
}

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *licensesRESTClient) Close() error {
// Replace httpClient with nil to force cleanup.
c.httpClient = nil
return nil
}
// Connection returns a connection to the API service.
//
// Deprecated.
func (c *licensesRESTClient) Connection() *grpc.ClientConn {
return nil
}
// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are
creating Cloud Marketplace images.
func (c *licensesRESTClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts
...gax.CallOption) (*computepb.Operation, error) {
baseUrl, _ := url.Parse(c.endpoint)
params := url.Values{}
if req != nil && req.RequestId != nil {
params.Add("requestId", fmt.Sprintf("%v", req.GetRequestId()))
}
baseUrl.RawQuery = params.Encode()
if err != nil {
return nil, err
}
httpReq = httpReq.WithContext(ctx)
// Set the headers
for k, v := range c.xGoogMetadata {
httpReq.Header[k] = v
}
httpReq.Header["Content-Type"] = []string{"application/json"}
httpRsp, err := c.httpClient.Do(httpReq)
if err != nil {
return nil, err
}
defer httpRsp.Body.Close()
if httpRsp.StatusCode != http.StatusOK {
return nil, fmt.Errorf(httpRsp.Status)
}

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buf, err := ioutil.ReadAll(httpRsp.Body)
if err != nil {
    return nil, err
}

unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
rsp := &computepb.Operation{}

return rsp, unm.Unmarshal(buf, rsp)

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption) (*computepb.License, error) {
    baseUrl, _ := url.Parse(c.endpoint)

    if err != nil {
        return nil, err
    }
    httpReq = httpReqWithContext(ctx)

    // Set the headers
    for k, v := range c.xGoogMetadata {
        httpReq.Header[k] = v
    }
    httpReq.Header["Content-Type"] = []string{"application/json"}

    httpRsp, err := c.httpClient.Do(httpReq)
    if err != nil {
        return nil, err
    }
    defer httpRsp.Body.Close()

    if httpRsp.StatusCode != http.StatusOK {
        return nil, fmt.Errorf(httpRsp.Status)
    }

    buf, err := ioutil.ReadAll(httpRsp.Body)
    if err != nil {
        return nil, err
    }

    unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
    rsp := &computepb.License{}

    return rsp, unm.Unmarshal(buf, rsp)
return rsp, unm.Unmarshal(buf, rsp)
}

// GetIamPolicy gets the access control policy for a resource. May be empty if no such policy or resource exists.
// Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest, opts ...gax.CallOption) (*computepb.Policy, error) {
baseUrl, _ := url.Parse(c.endpoint)

params := url.Values{ }
if req != nil && req.OptionsRequestedPolicyVersion != nil {
}
baseUrl.RawQuery = params.Encode()

if err != nil {
return nil, err
}
httpReq = httpReq.WithContext(ctx)
// Set the headers
for k, v := range c.xGoogMetadata {
httpReq.Header[k] = v
}
httpReq.Header["Content-Type"] = []string{"application/json"}

httpRsp, err := c.httpClient.Do(httpReq)
if err != nil {
return nil, err
}
defer httpRsp.Body.Close()

if httpRsp.StatusCode != http.StatusOK {
return nil, fmt.Errorf(httpRsp.Status)
}

buf, err := ioutil.ReadAll(httpRsp.Body)
if err != nil {
return nil, err
}

unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
rsp := &computepb.Policy{
}

return rsp, unm.Unmarshal(buf, rsp)
func (c *licensesRESTClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts...
gax.CallOption) (*computepb.Operation, error) {
    m := protojson.MarshalOptions{AllowPartial: true}
    body := req.GetLicenseResource()
    jsonReq, err := m.Marshal(body)
    if err != nil {
        return nil, err
    }
}

baseUrl, _ := url.Parse(c.endpoint)

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

if err != nil {
    return nil, err
}
httpReq = httpReq.WithContext(ctx)

for k, v := range c.xGoogMetadata {
    httpReq.Header[k] = v
}
httpReq.Header["Content-Type"] = []string{"application/json"}

httpRsp, err := c.httpClient.Do(httpReq)
if err != nil {
    return nil, err
}
defer httpRsp.Body.Close()

if httpRsp.StatusCode != http.StatusOK {
    return nil, fmt.Errorf(httpRsp.Status)
}

buf, err := ioutil.ReadAll(httpRsp.Body)
if err != nil {
    return nil, err
}
unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
rsp := &computepb.Operation{}
return rsp, unm.Unmarshal(buf, rsp)

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that
belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a
list of publicly-available licenses, use this method to make a request to the respective image project, such as debian-
cloud or windows-cloud. Caution This resource is intended for use only by third-party partners who are creating
Cloud Marketplace images.
func (c *licensesRESTClient) List(ctx context.Context, req *computepb.ListLicensesRequest, opts ...
gax.CallOption) (*computepb.LicensesListResponse, error) {
baseUrl, _ := url.Parse(c.endpoint)

params := url.Values{
if req != nil && req.Filter != nil {
}
if req != nil && req.MaxResults != nil {
params.Add("maxResults", fmt.Sprintf("%v", req.GetMaxResults()))
}
if req != nil && req.OrderBy != nil {
params.Add("orderBy", fmt.Sprintf("%v", req.GetOrderBy()))
}
if req != nil && req.PageToken != nil {
}
if req != nil && req.ReturnPartialSuccess != nil {
}

baseUrl.RawQuery = params.Encode()

if err != nil {
return nil, err
}
httpReq = httpReqWithContext(ctx)
// Set the headers
for k, v := range c.xGoogMetadata {
httpReq.Header[k] = v
}
httpReq.Header["Content-Type"] = []string{"application/json"

httpRsp, err := c.httpClient.Do(httpReq)
if err != nil {
    return nil, err
}

defer httpRsp.Body.Close()

if httpRsp.StatusCode != http.StatusOK {
    return nil, fmt.Errorf(httpRsp.Status)
}

buf, err := ioutil.ReadAll(httpRsp.Body)
if err != nil {
    return nil, err
}

unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
rsp := &compute pb.LicensesListResponse{

return rsp, unm.Unmarshal(buf, rsp)
}

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) SetIamPolicy(ctx context.Context, req *compute pb.SetIamPolicyLicenseRequest, opts ...gax.CallOption) (*compute pb.Policy, error) {
    m := protojson.MarshalOptions{AllowPartial: true}
    body := req.GetGlobalSetPolicyRequestResource()
    jsonReq, err := m.Marshal(body)
    if err != nil {
        return nil, err
    }

    baseUrl, _ := url.Parse(c.endpoint)

    if err != nil {
        return nil, err
    }

    httpReq = httpReq.WithContext(ctx)

    // Set the headers
    for k, v := range c.xGoogMetadata {
        httpReq.Header[k] = v
    }

    httpReq.Header["Content-Type"] = []string{"application/json"}

    httpRsp, err := c.httpClient.Do(httpReq)
    if err != nil {
        return nil, err
    }

    // ...
return nil, err
}
defer httpRsp.Body.Close()

if httpRsp.StatusCode != http.StatusOK {
  return nil, fmt.Errorf(httpRsp.Status)
}

buf, err := ioutil.ReadAll(httpRsp.Body)
if err != nil {
  return nil, err
}

unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
rsp := &computepb.Policy{}
return rsp, unm.Unmarshal(buf, rsp)
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) TestIamPermissions(ctx context.Context, req *computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*computepb.TestIamPermissionsTestPermissionsResponse, error) {
  m := protojson.MarshalOptions{AllowPartial: true}
  body := req.GetTestIamPermissionsLicenseRequestResource()
  jsonReq, err := m.Marshal(body)
  if err != nil {
    return nil, err
  }

  baseUrl, _ := url.Parse(c.endpoint)
  if err != nil {
    return nil, err
  }
  httpReq = httpReqWithContext(ctx)
  // Set the headers
  for k, v := range c.xGoogMetadata {
    httpReq.Header[k] = v
  }
  httpReq.Header["Content-Type"] = []string{"application/json"}

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
    return nil, err
  }

  return nil, err
}
package compute_test

import {
    "context"

    compute "cloud.google.com/go/compute/apiv1"
    computepb "google.golang.org/genproto/googleapis/cloud/compute/v1"
}

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

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// Code generated by protoc-gen-go_gapic. DO NOT EDIT.
func ExampleLicensesClient_Delete() {
    ctx := context.Background()
    c, err := compute.NewLicensesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer c.Close()

    req := &computepb.DeleteLicenseRequest{
        // TODO: Fill request struct fields.
    }
    resp, err := c.Delete(ctx, req)
    if err != nil {
        // TODO: Handle error.
    }
    // TODO: Use resp.
    _ = resp
}

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

    req := &computepb.GetLicenseRequest{
        // TODO: Fill request struct fields.
    }
    resp, err := c.Get(ctx, req)
    if err != nil {
        // TODO: Handle error.
    }
    // TODO: Use resp.
    _ = resp
}

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

req := &computepb.GetIamPolicyLicenseRequest{
// TODO: Fill request struct fields.
}
resp, err := c.GetIamPolicy(ctx, req)
if err != nil {
// TODO: Handle error.
}
// TODO: Use resp.
_ = resp
}

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

req := &computepb.InsertLicenseRequest{
// TODO: Fill request struct fields.
}
resp, err := c.Insert(ctx, req)
if err != nil {
// TODO: Handle error.
}
// TODO: Use resp.
_ = resp
}

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

req := &computepb.ListLicensesRequest{
// TODO: Fill request struct fields.
}
resp, err := c.List(ctx, req)
if err != nil {

// TODO: Handle error.
}
// TODO: Use resp.
_ = resp
}
func ExampleLicensesClient_SetIamPolicy() {  
ctx := context.Background()
c, err := compute.NewLicensesRESTClient(ctx)
if err != nil {
    // TODO: Handle error.
}
deferral.Closec()

req := &computepb.SetIamPolicyLicenseRequest{
    // TODO: Fill request struct fields.
}
resp, err := c.SetIamPolicy(ctx, req)
if err != nil {
    // TODO: Handle error.
}
// TODO: Use resp.
_ = resp
}
func ExampleLicensesClient_TestIamPermissions() {
    ctx := context.Background()
c, err := compute.NewLicensesRESTClient(ctx)
if err != nil {
    // TODO: Handle error.
}
deferral.Closec()

req := &computepb.TestIamPermissionsLicenseRequest{
    // TODO: Fill request struct fields.
}
resp, err := c.TestIamPermissions(ctx, req)
if err != nil {
    // TODO: Handle error.
}
// TODO: Use resp.
_ = resp
}
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package compute

import (
    "bytes"
    "context"
    "fmt"
    "io/ioutil"
    "net/http"
    "net/url"

    gax "github.com/googleapis/gax-go/v2"
    "google.golang.org/api/option"
    "google.golang.org/api/option/internaloption"
    httptransport "google.golang.org/api/transport/http"
    computepb "google.golang.org/genproto/googleapis/cloud/compute/v1"
    "google.golang.org/grpc"
    "google.golang.org/grpc/metadata"
    "google.golang.org/protobuf/encoding/protojson"
)

var newLicenseCodesClientHook clientHook

// LicenseCodesCallOptions contains the retry settings for each method of LicenseCodesClient.
type LicenseCodesCallOptions struct {
    Get []gax.CallOption
    TestIamPermissions []gax.CallOption
}

// internalLicenseCodesClient is an interface that defines the methods available from Google Compute Engine API.
type internalLicenseCodesClient interface {
    Close() error
    setGoogleClientInfo(...string)
    Connection() *grpc.ClientConn
    Get(context.Context, *computepb.GetLicenseCodeRequest, ...gax.CallOption) (*computepb.LicenseCode, error)
    TestIamPermissions(context.Context, *computepb.TestIamPermissionsLicenseCodeRequest, ...gax.CallOption) (*computepb.TestPermissionsResponse, error)
}
// LicenseCodesClient is a client for interacting with Google Compute Engine API.
// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
// method calls.

// The LicenseCodes API.
type LicenseCodesClient struct {
    // The internal transport-dependent client.
    internalClient internalLicenseCodesClient

    // The call options for this service.
    CallOptions *LicenseCodesCallOptions
}

// Wrapper methods routed to the internal client.

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *LicenseCodesClient) Close() error {
    return c.internalClient.Close()
}

// setGoogleClientInfo sets the name and version of the application in
// the 'x-goog-api-client' header passed on each request. Intended for
// use by Google-written clients.
func (c *LicenseCodesClient) setGoogleClientInfo(keyval ...string) {
    c.internalClient.setGoogleClientInfo(keyval...)
}

// Connection returns a connection to the API service.

// Deprecated.
func (c *LicenseCodesClient) Connection() *grpc.ClientConn {
    return c.internalClient.Connection()
}

// Get return a specified license code. License codes are mirrored across all projects that have permissions to read the
License Code. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicenseCodesClient) Get(ctx context.Context, req *computepb.GetLicenseCodeRequest, opts ...
gax.CallOption) (*computepb.LicenseCode, error) {
    return c.internalClient.Get(ctx, req, opts...)
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is
intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicenseCodesClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseCodeRequest, opts ...
gax.CallOption)
(*computepb.TestPermissionsResponse, error) {
    return c.internalClient.TestIamPermissions(ctx, req, opts...)
}

// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
// method calls.
type licenseCodesRESTClient struct {
    // The http endpoint to connect to.
    endpoint string

    // The http client.
    httpClient *http.Client

    // The x-goog-* metadata to be sent with each request.
    xGoogMetadata metadata.MD
}

// NewLicenseCodesRESTClient creates a new license codes rest client.
//
// The LicenseCodes API.
func NewLicenseCodesRESTClient(ctx context.Context, opts ...option.ClientOption) (*LicenseCodesClient, error) {
    clientOpts := append(defaultLicenseCodesRESTClientOptions(), opts...)
    httpClient, endpoint, err := httptransport.NewClient(ctx, clientOpts...)
    if err != nil {
        return nil, err
    }

c := &licenseCodesRESTClient{
    endpoint:    endpoint,
    httpClient:  httpClient,
}
c.setGoogleClientInfo()

    return &LicenseCodesClient{internalClient: c, CallOptions: &LicenseCodesCallOptions{ }}, nil
}

func defaultLicenseCodesRESTClientOptions() []option.ClientOption {
    return []option.ClientOption{
        internaloption.WithDefaultEndpoint("https://compute.googleapis.com"),
        internaloption.WithDefaultMTLSEndpoint("https://compute.mtls.googleapis.com"),
        internaloption.WithDefaultAudience("https://compute.googleapis.com/")
    }
}

// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *licenseCodesRESTClient) setGoogleClientInfo(keyval ...string) {
kv := append([]string{"gl-go", versionGo()}, keyval...)
kv = append(kv, "gapic", versionClient, "gax", gax.Version, "rest", "UNKNOWN")
c.xGoogMetadata = metadata.Pairs("x-goog-api-client", gax.XGoogHeader(kv...))
}
// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *licenseCodesRESTClient) Close() error {
// Replace httpClient with nil to force cleanup.
c.httpClient = nil
return nil
}
// Connection returns a connection to the API service.
//
// Deprecated.
func (c *licenseCodesRESTClient) Connection() *grpc.ClientConn {
return nil
}
// Get return a specified license code. License codes are mirrored across all projects that have permissions to read the
License Code. Caution This resource is intended for use only by third-party partners who are creating Cloud
Marketplace images.
func (c *licenseCodesRESTClient) Get(ctx context.Context, req *computepb.GetLicenseCodeRequest, opts
...gax.CallOption) (*computepb.LicenseCode, error) {
baseUrl, _ := url.Parse(c.endpoint)
req.GetLicenseCode())
if err != nil {
return nil, err
}
httpReq = httpReq.WithContext(ctx)
// Set the headers
for k, v := range c.xGoogMetadata {
httpReq.Header[k] = v
}
httpReq.Header["Content-Type"] = []string{"application/json"}
httpRsp, err := c.httpClient.Do(httpReq)
if err != nil {
return nil, err
}
defer httpRsp.Body.Close()
if httpRsp.StatusCode != http.StatusOK {

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func (c *licenseCodesRESTClient) TestIamPermissions(ctx context.Context, req *computepb.TestIamPermissionsLicenseCodeRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse, error) {
  m := protojson.MarshalOptions{AllowPartial: true}
  body := req.GetTestPermissionsRequestResource()
  jsonReq, err := m.Marshal(body)
  if err != nil {
    return nil, err
  }

  baseUrl, _ := url.Parse(c.endpoint)

  if err != nil {
    return nil, err
  }
  httpReq = httpReqWithContext(ctx)
  // Set the headers
  for k, v := range c.xGoogMetadata {
    httpReq.Header[k] = v
  }
  httpReq.Header["Content-Type"] = []string{"application/json"}

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
    return nil, err
  }
  defer httpRsp.Body.Close()

  if httpRsp.StatusCode != http.StatusOK {
    return nil, fmt.Errorf(httpRsp.Status)
  }

  buf, err := ioutil.ReadAll(httpRsp.Body)
  if err != nil {
    return nil, err
  }

  unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
  rsp := &computepb.LicenseCode{}

  return rsp, unm.Unmarshal(buf, rsp)
}
return nil, fmt.Errorf(httpRsp.Status)
}

buf, err := ioutil.ReadAll(httpRsp.Body)
if err != nil {
    return nil, err
}

unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
rsp := &computepb.TestPermissionsResponse{}

return rsp, unm.Unmarshal(buf, rsp)
}

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package compute_test

import (  
    "context"
)

compute "cloud.google.com/go/compute/apiv1"
computepb "google.golang.org/genproto/googleapis/cloud/compute/v1"

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

    // TODO: Use client.  
    _ = c  
}

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

    req := &computepb.GetLicenseCodeRequest{  
        // TODO: Fill request struct fields.  
    }  
    resp, err := c.Get(ctx, req)  
    if err != nil {  
        // TODO: Handle error.  
        }  
    // TODO: Use resp.  
    _ = resp  
}
func ExampleLicenseCodesClient_TestIamPermissions() {
    ctx := context.Background()
    c, err := compute.NewLicenseCodesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer c.Close()

    req := &computepb.TestIamPermissionsLicenseCodeRequest{
        // TODO: Fill request struct fields.
    }
    resp, err := c.TestIamPermissions(ctx, req)
    if err != nil {
        // TODO: Handle error.
    }
    // TODO: Use resp.
    _ = resp
}

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1.547 puppeteer-core 1.13.0

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1.553 jsbn 1.1.0

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1.555 node-isarray 2.0.5-1

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1.556 is-buffer 1.1.6

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1.557 python27-botocore 1.12.235

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1.562 keyutils 1.5.9-9

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THE BASIC LIBRARY FUNCTIONS
----------------------------

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Email local part: ph10
Email domain: cam.ac.uk
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---------------------------------
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A. HISTORY OF THE SOFTWARE

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

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

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

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

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TU-Darmstadt, Computer Science Department, RBG, for the initial lightweight client side TLS implementation, which is based on MicroTLS and for help with qTESLA implementation. MicroTLS was developed by Erik Tews under the supervision of Dipl.-Ing. Henning Baer and Prof. Max Muehlhaeuser. qTESLA assistance was provided by Nina Bindel and Yinhua Xu.
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People

Tito Pena &lt;Fortunato.Pena&#064;AdNovum.CH&gt; - initial RC5 implementation

Michael Lee &lt;yfl&#064;mira.net&gt; - initial RC6 implementation, MD2 implementation

Nuno Santos &lt;nsantos&#064;student.dei.uc.pt&gt; - finding toString bug in certificate object.

Brett Sealey &lt;bretts&#064;mortbay.com&gt; - fixing the missing return problem in JDKKeyFactory (affected SSL private keys).

Victor A. Salaman &lt;salaman&#064;teknos.com&gt; - fixing the bug in Cipher.java which caused it to ignore specified providers, fixing the bug in RSAKeyGenerator which caused keys to be occasionally produced 1 bit too small.

Eran Librach &lt;eranl&#064;valicert.com&gt; - spotting and fixing the classLoader bug that occurs if javax.crypto and the provider aren't sharing the same classpath (occurs in JDK 1.3 and greater).

Jonathan Knudsen &lt;jonathan&#064;LearningPatterns.com&gt; - porting information and restrictions when using the lightweight library with the MIDP environment.

Markus Niedermann &lt;markus.niedermann&#064;softwired-inc.com&gt; - porting information and restrictions when using the lightweight library with the MIDP environment.

Mike Benham &lt;moxie&#064;thoughtcrime.org&gt; - detection and fixing of an incorrect weak key in the DES key generation support classes. Suggestions for simplifying DESedeParameter objects. Optimisations for the Blowfish engine and BufferedBlockCipher class.

Soren Hilmer &lt;hilmer&#064;mail.tele.dk&gt; - initial implementation of netscape certificate request classes.

Uwe Guenther &lt;uwe&#064;cssc.de&gt; - detection and fixing of 3 incorrect semi-weak keys in the DES key generation support classes.

Markus Bradtke &lt;mab&#064;informatik.uni-kiel.de&gt; - fixing of a logic error in the JDKKeyStore class.
Waclaw Sierek &lt;waclaw.sierek@tpg.pl&gt; - fix to setOddParity in the DESParameter class. Assistance with adding ordering to X509 names for certificate generation, proper processing of byte strings in the ASN1 package, further simplifications and additional classes to improve pkcs7 support, bug fixes in CertPath API.

Ly-Na Phu &lt;lyna.phu@#064;init-consulting.de&gt; - assistance in the addition of ISO 9796-1 padding.

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Carmen Bastiaans &lt;cbastiaa@#064;microbits.com.au&gt; - fixing the improper null pointer problem in the setting of certificates in the PKCS12 key store.

Tomas Gustavsson &lt;tomags@#064;primekey.se&gt; - initial implementation of the AuthorityInformationAccess, SubjectKeyIdentifier, AuthorityKeyIdentifier, CRLNumber, CRLReason, CertificatePolicies, V2TBSCertListGenerator, and X509V2CRLGenerator classes in the ASN.1 library. Additions to GeneralName class, other bug fixes in the X.509 package. Initial implementation of the CertificationRequest classes.

euux@#064;hotmail.com &lt;eugen@#064;hotmail.com&gt; - optimisations for Blowfish, assistance with PKCS12/keystore interoperability.

Megan Woods &lt;meganwoods@#064;sekurafie.com&gt; - initial implementation of ECIES.

Christian Geuer-Pollmann &lt;geuerp@#064;apache.org&gt; - adding IV's to the AESWrap implementations. Initial implementation of DESedeWrap.

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

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

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

Chris Southern &lt;CSouthern@#064;leading-edge.com&gt; - fixing misuse of specified provider in the PKCS10 certification request class.

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

Chris Kerr &lt;ckerr@#064;filonet.ca&gt; - initial implementation of the cms, asn1.cms, and the mail/smime packages, assistance in simplifying the ASN.1 package, miscellaneous other optimisations, NIST CertPath certification test, PKIXPolicyNode class, CertPath subtree validation and policy tree construction. We also wish to acknowledge the generosity of Filonet Corporation for allowing Chris to make the initial cms and mail/smime packages available to us.

Mike Bean &lt;mbean@#064;lucentradius.com&gt; - fixing the fall through bug in the IV algorithm parameters class.

Martin Petraschek &lt;e9526225@#064;student.tuwien.ac.at&gt; - fixing ASN1 tagging so tag values up to 30 are now supported.

Jess Garms &lt;jgarms@#064;yahoo.com&gt; - fixing 112/168 key size bug for DESede key generation.

Mike Bremford &lt;mike@#064;big.faceless.org&gt; - contributing the initial PKCS7 implementation.
Shankar Srinivasan &lt;ssr002@yahoo.com&gt; - S/Mime interoperability testing and debugging.

Stef Hoeben &lt;ilstef@yahoo.com&gt; - adding Montgomery multiplication to the BigInteger class.

Klaudiusz Ciosk &lt;kciosk@max.com.pl&gt; - improving the compatibility of the SMIME package with the Sun JCE.

Thomas Houtekier &lt;Thomas.Houtekier@tectrade.net&gt; - S/Mime testing and debugging.

Interoperability with BizTalk.</li>

Don Hillsberry &lt;hillisber@dialec.com&gt; - S/Mime testing and debugging.

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Jason Novotny &lt;jdnovotny@lbl.gov&gt; - initial work on the openSSL PEM processing.

Joel Hocky &lt;joel.hockey@qsipayments.com&gt; - initial work on the openSSL PEM processing.

John Steenbruggen &lt;JohnS@geotrust.com&gt; - fixing CertificationRequestInfo to handle cert request info objects without attribute blocks.

Justin Chapweske &lt;justin@chapweske.com&gt; - ordering patch for Tiger message digest.

John Serock &lt;jsrock@hotmail.com&gt; - fixing null pointer exception in constructor for ExtendedKeyUsage. Fixing of base OID bug in KeyPurposeId.

Compliance of KeyUsage extension return value with security API.

Sascha Weinreuter &lt;sascha.weinreuter@cit.de&gt; - fixed SMIME saveChanges() bug.

Andre Wehnert &lt;aw5@mail.inf.tu-dresden.de&gt; - fixing key schedule problem in RC5-64, fixing buffer cleaning issue in buffered block cipher.

Luigi Lo Iacono &lt;lo_iacono@nue.et-inf.uni-siegen.de&gt; - adding SIC mode to the blockciphers in the provider.

Tim Sakach &lt;tsakach@#064;certivo.net&gt; - SMIME v2 compatibility patches.

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Sebastian Clau&soung &lt;sc2@#064;inf.tu-dresden.de&gt; - adding randomness setting to the certificate and CRL generators.

Nicolas Bielza &lt;nicolas.bielza@alligacom.com&gt; - isolating the tagging bug in the ASN.1 library that was misrepresenting some ASN.1 constructed data types. Contributions to the streaming S/MIME classes.

Casey Marshall &lt;rsdio@metastatic.org&gt; - fixing the clone problem with Macs in the clean room JCE.

Rick Zeldes &lt;rick.zeldes@eds.com&gt; - initial code for CMS/SMIME CompressedData.

Jarek Gawor &lt;gawor@mcs.anl.gov&gt; - fixing ASN.1 sequence unpacking in BasicConstraints constructor.

Brett Neumeier &lt;random@#064;rnd.cx&gt; - patch to OriginatorIdentifierOrKey object, improvements to encoders package, introduction of URLBase64.

Graham Coles &lt;graham.coles@#064;retail-logie.com&gt; - patch to isParityAdjusted in DESKeySpec.

J&ouml;rn von Kattche&lt;rj@#064;seeburger.de&gt; - patch to SMIMEGenerator for preventing class cast exceptions with BodyParts containing Multipart objects.

Matteo Artuso &lt;matartuso@#064;libero.it&gt; - picking up the possible overread in ASN1InputStream.

Julian Morrison &lt;julian@#064;extropy.demon.co.uk&gt; - spotting the slow down in Diffie-Hellman key generation.

Elmar Sonnenschein &lt;es&soung@#064;esomail.de&gt; - fix to long conversion in clean room SecureRandom.

J&ouml;rn Schwarze &lt;jts@#064;ulc.de&gt; - Locale fix for the clean room JCE.

Bryan Lovquist &lt;blkl@#064;cps.com.au&gt; - Other provider compatibility fixes for CMS signing.

Artem Portnoy &lt;Artem_Portnoy@ibi.com&gt; - generalisations for CMSProcessableBodyPart in...
S/MIME. Header fix for mime messages. 

- Michael Hämäläinen &lt;haeuser@064ponton-consulting.de&gt; - missing OID update for SHA1 with RSA Signature.
- Johan Seland &lt;johans@064netfonds.no&gt; - general toString for BigInteger class.
- Johannes Nicolai &lt;johannes.nicolaia@064novosec.com&gt; - further enhancements to OCSP response generation, fix to CertificateID issuer.
- Marc Doberva &lt;marc.doberva@064ilex-si.com&gt; - help in isolating the JSSE/BC RSA key issue.
- Jan Dvorak &lt;jan.dvorak@064mathan.cz&gt; - initial implementation of the light weight Null block cipher.
- Joe Cohen &lt;jcohen@064forum.sys.com&gt; - converting the ArrayOutOfBoundsException in DERInputStream into what it should have been.
- Chris Long &lt;aclong@064ece.cmu.edu&gt; - adding public key decoding to PEMReader.
- Hes Siemelink &lt;hes@064izecom.com&gt; - findIssuer fix for CertPathBuilder, toMimeMessage converter for Mail API, getSize() fix for zero length messages in SMIMEMessage.
- Stefan Piuu &lt;stefanpiuuro@064yahoo.com&gt; - initial implementation V3 policy mapping, policy qualifier objects in ASN.1 X.509 package.
- Kaisery Yang &lt;kaiseryang@064.yahoo.com&gt; - Finding BigInteger loop problem in prime generation.
- Jiri Urbanec &lt;jiri.urbanec@064logicacmg.com&gt; - patch to fix defect in DERBMPString.equals().
- Justin Kolb &lt;jkolb@064pristx.com&gt; - patch to DSA signature generation in OpenPGP. Fix for the unexpected "Unexpected end of ZLIB input stream" exception.
- Ralf Hauser &lt;ralfhauser@064gmx.ch&gt; - patch to exception handling in PublicKeyRing, PEMReader, 1.4 build script, X509 Certificate Factory, CertPathValidatorUtilities, fromAddress null check in SignedMailValidator, ReadOnceInputStream testing utility in MIME tests.
- Michal Dvorak &lt;M_Dvorak@064transacttools.net&gt; - patch to S2K algorithm in OpenPGP, initial PGP version 3 secret key support, initial PGP version 3 signature generation, RIPEMD160 addition to PGPUtl.
- Ian Haywood &lt;ian@064haywood.bpa.nn&gt; - addtion of getSignatureType to PGPSignature.
- Jonathan Edwards &lt;s34gull@064mac.com&gt; - initial support for reading multiple rings from a PGP key file.
- Andrew Thornton &lt;andrew@064caret.cam.ac.uk&gt; - patch for RSA PUBLIC KEY in PEMReader.
- Gregor Leander &lt;gl@064bos-bremen.de&gt; - initial parsing of multiple sequence entries in an X.500 Name.
- Antoon Bosselaers &lt;Antoon.Bosselaers@064esat.kuleuven.ac.be&gt; - help with RipeMD320 implementation.
- Peter Sylvester &lt;Peter.Sylvester@064edelweb.fr&gt; - improvements to the ASN.1 BasicConstraints object.
- Doug &lt;ummmmm@064myrealbox.com&gt; - addition of isEncryptionKey method to OpenPGP public keys.
- Francois Staes &lt;fstaes@064netconsult.be&gt; - improvements to DEBitString, DERGeneralizedTime and initial implementation of DERGeneralString, addition of settable signed object info to CMSSignedDataGenerator, patch to DH key agreement.
- W.R. Dittmer &lt;wdittmer@064cs.vu.nl&gt; - patch to decoding of SignatureCreationTime in BCPG. Patch to
- PGPKeyPair to fix nullpointer exception.</li>
- Perez Paz Luis Alberto &lt;laperez#064banxico.org.mx&gt; - patch to use of BitString in X.500 name.</li>
- James Wright &lt;James_Wright#064harte-hanks.com&gt; - patches for dealing with "odd" ArmoredInputStreams.</li>
- Jim Ford &lt;jim#064muirford.com&gt; - patch to PGPSecretKey to avoid null pointer exception on encoding secret keys, comments on KeyExpirationTime, getBitStrength for ElGamal keys. Signature creation time patch for newly created v4 signatures.</li>
- Michael Hausler &lt;haeusler#064ponton-consulting.de&gt; - extra aliases for provider.</li>
- Sai Pullabhota &lt;psai#064linoma.com&gt; - fix to PGP compressed data generator to improve compression levels. Performance improvements for KeyBasedLargeFileProcessor.</li>
- Joseph Miller &lt;joseph#064digivewh.net.nz&gt; - addition of ZeroBytePadding.</li>
- Lars &lt;xyz#064sagemenmark.dk&gt; - patch to explicit padded mode for CBC block cipher MAC.</li>
- Jeroen van Vianen &lt;jeroen#064vanvianen.nl&gt; - the Signed and Encrypted mail example.</li>
- Jun Sun &lt;JSun#064diversinet.com&gt; - patch to SecureRandom to work around problem in wtk 1.0.4 and wtk 2.1.</li>
- Petr Dukem &lt;pdudem#064email.cz&gt; - patch to CMSignedDataGenerator to allow it to work with PKCS11 providers.</li>
- Filipe Silva &lt;filipe.silva#064wedowconsulting.com&gt; - patch to fix overead issue in BCPGInputStream.</li>
- Alpesh Parmar &lt;alps#064linuxmail.org&gt; - patch for class cast problem in PGPPublicKey.getSignatures().</li>
- Jay Gengelbach &lt;jgengelbach#064webmethods.com&gt; - patch to fix isSigningKey in PGPSecretKey class, patch to hashedPackets in PGP signatureGenerator, initial cut for indefinite length output.</li>
- Doug &lt;doug#064tigerprivacy.com&gt; - public key ring patches for ElGamal Signatures, signature key ring data.</li>
- Matthew Mundy &lt;mmundy1#064umbc.edu&gt; - infinite loop prevention patch to PKCS5S2ParametersGenerator.</li>
- Tom Cargill &lt;cargill#064profcon.com&gt; - spelling patch in provider.</li>
- Breitenstrom Christian &lt;c.Breitenstrom#0644-systems.com&gt; - compatibility patch to SignaturePacket, DetachedSignatureProcessor.</li>
- Zanotti Mirko &lt;zanotti#064cad.it&gt; - patch to ordered equality test for X509Name.</li>
- Nicola Scendoni &lt;nscendoni#064babelps.it&gt; - patch to add sorting to CertPath validation.</li>
- Ville Skytt&auml; &lt;ville.skytt&auml;#064iki.fi&gt; - patch to CRLDistPoint for cRLIssuer field. KeyStore compliance on add patches. DiffieHellman patch for provider compliance. Support for PEM object "TRUSTED CERTIFICATE". Exception handling patch in PEMReader. JavaDoc clean up.</li>
- Bruce Gordon &lt;bruce.gordon#064savvis.net&gt; - patch to secret key creation encoding NullPointerException in OpenPGP, speed up for BCPGInputStream.</li>
- Miles Whiteley &lt;miles.whiteley#064savvis.net&gt; - "223" fix for BCPGInputStream new packets.</li>
- Albert Moliner &lt;amoliner#064evintia.com&gt; - initial TSP implementation.</li>
- Carlos Lozano &lt;carlos#064evintia.com&gt; - initial TSP implementation, patch to SignerInformation for supporting repeated signers, initial updates for supporting repeated attributes in CMS.</li>
- Javier Delgadillo &lt;javi#064javi.codewarp.org&gt; - initial Mozilla PublicICAndChallenge classes.</li>
- Joni Hahkala &lt;joni.hahkala#064cern.ch&gt; - initial implementations of VOMS Attribute Certificate Validation, IetfAttrSyntax, and ObjectDigestInfo. We also wish to thank the &lt;a href="http://www.eu-egee.org"&gt;EGEE project&lt;/a&gt; for making the work available.</li>
- Rolf Schillinger &lt;rolf#064sir-wum.de&gt; - initial implementation of Attribute Certificate generation.</li>
- Sergey Bahtin &lt;Sergey_Bahtin#064yahoo.com&gt; - fix for recovering certificate aliases in BKS and UBER key stores. Initial implementations of GOST-28147, GOST-3410, EC GOST-3410, GOST OFB mode
(GOFB) and GOST-3411.<li>
Franck Leroy &lt;Franck.Leroy#064keynectis.com&gt; - ANS.1 set sorting. Contributions to TSP implementation. Test vectors for Bleichenbacher's forgery attack.</li>
Atsuhiko Yamanaka &lt;ymnk#064jcraft.com&gt; - patch for improving use of Montgomery numbers in BigInteger library. Patch to use size of private exponent in DH parameters.</li>
Nickolay Bolshakov &lt;tyrex#064rekssoft.ru&gt; - patch for class cast exception in AuthorityInformationAccess class.</li>
Soren Hilmer &lt;svoren.hilmer#064tietoenator.com&gt; - patches for CertID with issuerSerial set in TSP implementation, additional compliance testing.</li>
Steve Mitchell &lt;mitchell#064intertrust.com&gt; - patch for stateful path validator fix. Patch to allow BigInteger class to create negative numbers from byte arrays. Additions to allow different providers to be used for asymmetric/symmetric encryption in OpenPGP.
Optimisation to avoid redundant verification in path validator. Suggestion to use PKIXParameters.getSigProvider() correctly.</li>
Dirk Eisner &lt;D.Eisner#seeburger.de&gt; - initial implementation of ISO 78164-4 padding.
Julien Pasquier &lt;julienpasquier#064free.fr&gt; - initial implementation of attribute classes from RFC 3126. Fix to KEKIdentifier, OtherKeyAttribute parsing. Initial ContentHints class.</li>
Matteo &lt;matartuso#064libero.it&gt; - sequence patch to ASN1Dump.
Andrew Paterson &lt;andrew.paterson#064burnsecs.com&gt; - patches to PGP tools, isRevoked method on PGPPublicKey.</li>
Vladimir Molotkov &lt;vladimir.n.molotkov#064intel.com&gt; - extensive provider exception handling compliance testing.</li>
Florin Kollan &lt;adlocflo#064web.de&gt; - fix to ElGamalKeyParameters equality testing.
Pavel Vassiliev &lt;paulvas#064gmail.com&gt; - Initial GOST28147Mac implementation.
Tom Pesman &lt;tom#064tnux.net&gt; - addition of DES-ede encryption for RSAPrivate keys to PEMWriter.
Lukasz Kowalczyk &lt;lukasz.b.kowalczyk#064gmail.com&gt; - patch to fix parsing issue with OpenSSL PEM based certificate requests.
Arndt Hasch &lt;Arndt.Hasch#064maxence.de&gt; - additional fix for partial reading with new style PGP packets.
Fix Bernd (KCDP 11) &lt;bernd.fix#credit-suisse.com&gt; - fix for 31 byte issue and exception throwing by Whirlpool.
David M. Lee &lt;dmlee#Crossroads.com&gt; - code for add and remove secret key in the PGPSecretKeyRing class. Additions to S/MIME and CMS unit tests.
Mike Dillon &lt;md5#064embody.org&gt; - additional checks for PGP secret and public key construction, patches to copyWithNewPassword.
lu-vi cung &lt;2cung#064hotmail.com&gt; - patch for out of bounds problem in getDecoderStream method.
Chris Schultz &lt;cschultz#064gmail.com&gt; - fix for InputStream constructor for X509V2AttributeCertificate.
David M. Lee &lt;dmlee#064Crossroads.com&gt; - implementation assistance with streaming CMS classes.
Joel Rees &lt;rees#064ddcom.co.jp&gt; - fix to correct getOID methods from returning same set on X.509 attribute certificates.
Francesc Sau &lt;francesc.sau#064partners.netfocus.es&gt; - micro fix for tsp Accuracy class.
Larry Bugbee &lt;bugbee#064mac.com&gt; - initial ECNR implementation.
Remi Blancher &lt;Remi.Blancher#064keynectis.com&gt; - Contributions to TSP implementation. Initial implementation of RFC 3739 and ICAO ASN.1 classes.
<li>Brian O'Rourke &lt;brianorourke&#064;gmail.com&gt; - patch for signature creation time override in OpenPGP.</li>

<li>Andreas Schwier &lt;andreas.schwier&#064;cardcontact.de&gt; - initial implementation of ISO9797 MAC Algorithm 3, addition of DES-EDE 64 MAC to the provider, fix to EC point encoding, addition of EC and RSA-PSS OIDs to CMS, addition of AES-CMAC and DESede-CMAC to JCE provider.</li>

<li>David Josse &lt;david.josse&#064;transacttools.net&gt; - Patch for trailer function in version 2 signature packets.</li>

<li>Kishimoto Kazuhiko &lt;kazu-k&#064;hi-ho.ne.jp&gt; - RFC 3280 updates to policy processing in the CertPath validator. Additional test data not covered by NIST.</li>

<li>Lawrence Tan &lt;lwrnctan&#064;gmail.com&gt; - Large field OID sample test data. Missing key types in JDKKeyFactory.</li>

<li>Carlos Valiente &lt;superdupont&#064;gmail.com&gt; - Addition of CRL writing to the PEMWriter class.</li>

<li>Keyon AG, Martin Christinat, &lt;a href="http://www.keyon.ch">http://www.keyon.ch</a&gt; - fixing incorrect ASN.1 encoding of field elements in X9FieldElement class.</li>

<li>Olaf Keller, &lt;olaf.keller.bc&#064;bluewin.ch&gt; - initial implementation of the elliptic curves over binary fields F2m. Additional tests and modifications to elliptic curve support for both F2m and Fp. Performance improvements to F2m multiplication. Initial implementation of WNAF/WTNAF point multiplication. Improvement to k value generation in ECDSA.</li>

<li>John Alfred Prufrock &lt;j.a.prufrock&#064;gmail.com&gt; - mods to GOST-3411 and MD2 to support ExtendedDigest.</li>

<li>Stefan Neusatz Guilhen &lt;sneusatz&#064;gmail.com&gt; - initial version of RoleSyntax, improvements to CertificateHolder and AttributeCertificateIssuer.</li>

<li>Marzio Lo Giudice &lt;marzio.logiudice&#064;gmail.com&gt; - fix to endianess in KDF2BytesGenerator, additional KDF2 tests.</li>

<li>Georg Lippold &lt;georg.lippold&#064;mx.de&gt; - initial implementation of NaccacheStern cipher.</li>

<li>Chris Viles &lt;chris_viles&#064;yahoo.com&gt; - fix to SignatureSubpacket critical bit setting.</li>

<li>Pasi Eronen &lt;Pasi.Eronen&#064;nokia.com&gt; - extra toString() support for ASN.1 classes. Validation for Printable, IA5, and Numeric Strings. Support for surrogate pairs in DERUTF8String, DER UTF8 test. Additional X.509 name attributes for ISIS-MTT, RFC 3039, addition of indirect CRL support, initial X509 LDAP CertStore implementation, CertificatePair class, and X509CertificatePair class. Contributions to X509Store/Parser infrastructure and design. CertPath support for implicit DSA parameters and a range of NameConstraints. Addition of support for V1 attribute certificates and attribute certificate path validation. Initial classes for ASN.1 ISIS-MTT support. Enhancements for improving certificates with the NIST CertPath tests.</li>

<li>Carlos Lozano Ruiz &lt;carlos&#064;transacttools.net&gt; - patch for &lt;ctrl&gt;&lt;m&gt; only handling in CRLFOutputSteam.</li>

<li>John Alfred Prufrock &lt;j.a.prufrock&#064;gmail.com&gt; - mods to GOST-3411 and MD2 to support ExtendedDigest.</li>

<li>Stefan Neusatz Guilhen &lt;sneusatz&#064;gmail.com&gt; - initial version of RoleSyntax, improvements to CertificateHolder and AttributeCertificateIssuer.</li>

<li>Marzio Lo Giudice &lt;marzio.logiudice&#064;gmail.com&gt; - fix to endianess in KDF2BytesGenerator, additional KDF2 tests.</li>

<li>Georg Lippold &lt;georg.lippold&#064;mx.de&gt; - initial implementation of NaccacheStern cipher.</li>

<li>Chris Viles &lt;chris_viles&#064;yahoo.com&gt; - fix to SignatureSubpacket critical bit setting.</li>

<li>Pasi Eronen &lt;Pasi.Eronen&#064;nokia.com&gt; - extra toString() support for ASN.1 library. Initial patch for large OID components.</li>

encode method.<br/><li>Maria Ivanova &lt;maria.ivanova&#064;#064gmail.com&gt; - support for tags > 30 in ASN.1 parsing.</li><li>Armin H&auml;rlering &lt;arminha&#064;student.ethz.ch&gt; - first cut of internationalisation, initial PKIX validation classes.</li><li>Marius Schiller &lt;mschiller&#064;#064google.com&gt; - main set of test vectors for Bleichenbacher's forgery attack.</li><li>Xavier Le Vourch &lt;xavier&#064;brittanysoftware.com&gt; - general code clean ups.</li><li>Erik Tews &lt;e_tews&#064;cde.informatik.tu-darmstadt.de&gt; - initial threaded random seed generator, constant-time PKCS#1.5 decoding.</li><li>Thomas Dixon &lt;reikomusha&#064;#064gmail.com&gt; - initial implementations of TEA/XTEA, Salsa20, ISAAC, and Noekeon. XTEA enhancements.</li><li>Frank Cornelis &lt;info&#064;#064frankcornelis.be&gt; - addition of crlAccessMethod in X509ObjectIdentifiers.</li><li>Rui Joaquim &lt;rjoaquim&#064;#064cc.isel.ipl.pt&gt; - initial implementation of RSA blinding for signatures.</li><li>David Stacey &lt;DStacey&#064;allantgroup.com&gt; - addition of trust packet checking on revocation signatures in PGPSecretKeyRing.</li><li>Martijn Brinkers &lt;list&#064;#064mitm.nl&gt; - better exception handling in CMS enveloping, "just in time" modifications for CRL and Sequence evaluation.</li><li>Julius Davies &lt;juulisdavies&#064;#064gmail.com&gt; - additional modes and algorithm support in PEMReader.</li><li>Matthias &lt;g&#064;#064rtner.de&gt; - GnuPG compatibility changes for PBEFileProcessor.</li><li>Olga K&auml;thler &lt;olga.kaethler&#064;#064hp-consulting.com&gt; - initial implementation of TeleTrusT EC curves, additional ISO 9797 MACs, contributions to EAC OIDs, addition of EAC algorithms to CMS Signing.</li><li>Germano Rizzo &lt;germano.rizzo&#064;#064gmail.com&gt; - initial implementation of CMac, EAX, HC-128, and HC-256, optimisations for Salsa20.</li><li>N&uuml;ria Mar&iacute; &lt;numaa&#064;#064hotmail.com&gt; - patch for alternate data type recognition in CMSSignedDataParser.</li><li>Janis Schuller &lt;js&#064;#064ti.de&gt; - addition of NotationData packets for OpenPGP.</li><li>Michael Samblanet &lt;mike&#064;#064samblanet.com&gt; - patches towards improved Sun/default provider support in CMS.</li><li>Mike StJohns &lt;mstjohns&#064;#064comcast.net&gt; - patches for supporting empty subject in X.509 certificate generation, noneWithECDSA, updates to KeyPurposeId.</li><li>Ramon Keller &lt;ramon.keller&#064;#064gmx.ch&gt; - patch to deal with null revocations return from other CRL in X509V2CRLGenerator.</li><li>Mark Nelson &lt;mark&#064;#064nhr.com&gt; - correction to excluded DN in name constraints processing for PKIX processing.</li><li>Eugene Golushkov &lt;eugene.gff&#064;#064ukr.net&gt; - mask fix to single byte read in TlsInputStream.</li><li>Julien Pasquier &lt;julienpasquier&#064;#064free.fr&gt; - additional classes for supporting signature policy and signer certificates in the ASN.1 esf and ess libraries.</li><li>Peter Knopp &lt;pknopp&#064;#064mtg.de&gt; - fix for named curve recognition in ECOST key generation.</li><li>Jakub Gwozdz &lt;gwozdziu&#064;#064rpm.pl&gt; - addition of getTsa() to TimeStampTokenInfo.</li><li>Bartosz Malkowski &lt;bmalkow&#064;#064igase.org&gt; - initial implementation of VMPC cipher, VMPRandomGenerator, VMPCMac.</li><li>Tal Yacobi &lt;tal.yacobi&#064;#064octavian-tech.com&gt; - fix for issue in OpenPGP examples [#BJA-55].</li><li>Massimiliano Ziccardi &lt;massimiliano.ziccardi&#064;#064gmail.com&gt; - support for counter signature reading in CMS API, update for multiple counter signature attributes.</li><li>Andrey Pavlenko &lt;andrey.a.pavlenko&#064;#064gmail.com&gt; - security manager patch for PKCS1Encoding property check.
J Ross Nicoll &lt;jrn#064jrnm.e.uk&gt; - improved exception handling for getInstance() in ASN.1 library.

Matthew Stevenson &lt;mavricknz#064yahoo.com&gt; - patch to constructor for CRMF CertSequence.

Gabriele Contini &lt;gcontini#064hotpop.com&gt; - identified a bug in ASN.1 library with handling of unterminated NDEF's.

Roelof Naude &lt;roelof.naude#064epiuse.com&gt; - patch for TLS client to send empty client certs in response to HP_CERTIFICATE_REQUEST.

Patrick Peck &lt;peck#064signaturen.at&gt; - identified problem with DERApplicationSpecific and high tag numbers in ASN.1 library.

Michael LeMay &lt;lemaymd#064lemaymd.com&gt; - identified problem with EAX [BJA-93].

Alex Dupre &lt;ale#064FreeBSD.org&gt; - fix to use of Signature rather than SignatureSpi in provider [BJA-90]. Addition of null provider use to SignedPublicKeyAndChallenge and PKCS10CertificationRequest [BJA-102].

Michael Schoene &lt;michael#064sigrid-und-michael.de&gt; - fix of improper handling of null in ExtendedPKIXParameters.setTrustedACIssuers(), check for V2 signingCertificate attribute inTimeStampResponse.validate().

Ivan Larrañaga &lt;ilarra#s21sec.com&gt; - fix to default partial packet generation in BCPGOutputStream.


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

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

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

Emir Bucalovic &lt;emir.bucalovic#064mail.com&gt; - initial implementation of Grain-v1 and Grain-128.

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

Paul FitzPatrick &lt;bouncycastle_pfitz#064fitzpatrick.cc&gt; - error message fix to X509LDAPCertStoreSpi, comparison fix to BCStrictStyle.

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

Cagdas Cirit &lt;cagdascirit#064gmail.com&gt; - subjectAlternativeName fix for x509CertStoreSelector.

Harakiri &lt;harakiri_23#064yahoo.com&gt; - datahandler patch for attached parts in SMIME signatures.

Pedro Henriques &lt;pmahenriques#064gmail.com&gt; - explicit bounds checking for DESKeyGenerator, code simplification for OAEPEncoding.

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

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

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

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

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

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

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

Harendra Rawat &lt;hsrawat#064yahoo.com&gt; - fix for BERConstructedOctetString.

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

Alex Artamonov &lt;alexart.home#064gmail.com&gt; - name lookup patch for GOST-2001 parameters.
<li>Mike Lyons &lt;mlyons@064layer7tech.com&gt; work arounds for EC JDK bug 6738532 and JSSE EC naming conventions.</li>
<li>Chris Cole &lt;chris_h_cole@064yahoo.com&gt; identified a problem handling null passwords when loading a BKS keystore.</li>
<li>Tomas Krivanek &lt;tom@064attack.cz&gt; added checking of Sender header to SignedMailValidator.</li>
<li>Michael &lt;emfau@064t-online.de&gt; correction of field error in getResponse method in CertRepMessage.</li>
<li>Trevor Perrin &lt;trevor@064cryptography.com&gt; addition of constant time equals to avoid possible timing attacks.</li>
<li>Markus Kilaringsson &lt;markus@064primekey.se&gt; several enhancements to TimeStampResponseGenerator.</li>
<li>Dario Novakovic &lt;daronis@064yahoo.com&gt; fix for NPE when checking revocation reason on CRL without extensions.</li>
<li>Michael Smith &lt;msmith@064cbnco.com&gt; bug fixes and enhancements to the CMP and CRMF classes, initial Master List classes.</li>
<li>Andrea Zilio &lt;andrea.zilio@064gmail.com&gt; fix for PEM password encryption of private keys.</li>
<li>Alex Birkett &lt;alex@064birdett.co.uk&gt; added support for EC cipher suites in TLS client (RFC 4492) [#BJA-291].</li>
<li>Wayne Grant &lt;waynedgrant@064gmail.com&gt; additional OIDs for PKCS10 and certificate generation support.</li>
<li>Frank Cornelis &lt;info@064frankcornelis.be&gt; additional support classes for CAdES, enhancements to OCSP classes.</li>
<li>Jan Dittberner &lt;jan@064dittberner.info&gt; addHeader patch for SMIME generator.</li>
<li>Bob McGowan &lt;boab.mcgoo@064btinternet.com&gt; patch to support different object and mgf digests in PSS signing.</li>
<li>Ivo Matheis &lt;i.matheis@064seeburger.de&gt; fix to padding verification in ISO-9796-1.</li>
<li>Marco Sandrini &lt;nmessche@064gmail.com&gt; patch to add IV to ISO9797Alg3Mac.</li>
<li>Alf Malf &lt;alfmalf@064hotmail.com&gt; removal of unnecessary limit in CMSContentInfoParser.</li>
<li>Alfonso Massa &lt;alfonso.massa@064insiel.it&gt; contributions to CMS time stamp classes.</li>
<li>Giacomo Boccardo &lt;gboccardo@064unimaticaspa.it&gt; initial work on CMSTimeStampedDataParser.</li>
<li>Arnis Tartu &lt;arnis@064ut.ee&gt; patches for dealing with OIDs with specific key sizes associated in CMS.</li>
<li>Janusz Sikociski &lt;J.Sikocinski@gdzie.pl&gt; addition of Features subpacket support to OpenPGP API.</li>
<li>Juri Hudolejev &lt;jhudolejev@064gdzie.pl&gt; JavaDoc fix to CMSSignedDataParser.</li>
<li>Liane Velten &lt;liane.velten@064hp-consulting.com&gt; fine tuning of code for DHParameters validation.</li>
<li>Shawn Willden &lt;swillden@064google.com&gt; additional functionality to PGPKeyRing.</li>
<li>Atanas Krachev &lt;akrachev@064gmail.com&gt; added support for revocation signatures in OpenPGP.</li>
<li>Mickael Laiking &lt;mickael.laiking@064keynectis.com&gt; initial cut of EAC classes.</li>
<li>Tim Buktu &lt;tbuktu@064hotmail.com&gt; Initial implementation of NTRU signing and encryption.</li>
<li>Bernd &lt;brbernd@064gmail.com&gt; Fix for open of PGP literal data stream with UTF-8 naming.</li>
<li>Steing Inge Morisbak &lt;stein.inge.morisbak@064BEKK.no&gt; Test code for lower case Hex data in PEM headers.</li>
<li>Andreas Schmid &lt;andreas.schmid@064tngtech.com&gt; Additional expiry time check in PGPPublicKeys.</li>
<li>Phil Steitz &lt;phil.steitz@064gmail.com&gt; Final patch eliminating JCE dependencies in the OpenPGP BC
<li>Petar Petrov &lt;p.petrov&#064bers-soft.com&gt; Testing and debugging of UTF-8 OpenPGP passwords.</li>
<li>Daniel Fitzpatrick &lt;daniel.f.nwr&#064gmail.com&gt; Initial implementation of ephemeral key support for IES, initial implementations of RSA-KEM and ECIES-KEM, initial implementation of homogeneous projective coordinates for EC.</li>
<li>Andy Neilson &lt;Andy.Neilson&#064quest.com&gt; A further patches to deal with multiple providers and PEMReader.</li>
<li>Ted Shaw &lt;xiao.xj&#064gmail.com&gt; patch to MiscPEMGenerator for handling new PKCS10CertificationRequests.</li>
<li>Eleriseth &lt;Eleriseth&#064WPECGLtYbVi8Rl6Y7Vzl2Lvd2EUVW99v3yNV3IWROG8.fms&gt; speed up for SIC/CTR mode. Provider compatibility generalisations for EC operations.</li>
<li>Kenny Root &lt;kenny&#064the-b.org&gt; patch for issuerAltName, subjectAltName support in X509CertificateObject, BaseBlockCipher.getIV() patch for AEAD.</li>
<li>Maarten Bodewes &lt;maarten.bodewes&#064gmail.com&gt; initial implementation of HKDF and NIST SP 800-108 MAC based KDF functions.</li>
<li>Philip Clay &lt;phil_b&#0644gyahoo.com&gt; Initial implementation of J-PAKE.</li>
<li>Brian Carlstrom &lt;bdc&#064carlstrom.com&gt; compliance patches for some JCA/JCE keystore and cipher classes, miscellaneous code quality improvements, initial provider PBKDF2WithHmacSHA1 SecretKeyFactory.</li>
<li>Samuel Lid&eacute;n Borell &lt;samuel&#064primekey.se&gt; patch to add DSTU-4145 to DefaultSignatureAlgorithmFinders.</li>
<li>Sergio Demian Lerner &lt;sergiolerner&#064certimix.com&gt; pointing out isInfinity issue in ECDSASigner signature verification.</li>
<li>Tim Whittington &lt;Tim.Whittington&#064orionhealth.com&gt; patch to remove extra init call in CMac, additional of Memorable interface for Digest classes, initial implementation of GMAC, further correctness tests for IV and reset processing in OCB, CCM, and block cipher reset. Initial implementation of Skein, XSalsa20, ChaCha, reduced round Salsa20, Threefish, and the Poly1305 MAC. Documentation updates. Added OCB support to Nokeon and CAST6 in the provider, exception testing for CTS, optimisations for CCM, provider support for AAD cipher methods, safe CipherInputStream/OutputStream implementations for use with AAD and subsequent bug fixes, cleanup after IDEA patent expiry, work on JCE SipHash support, optimisations for AESFastEngine, further work on EncodableDigest for SHA-2 digests, contributions to BCrypt/OpenBSDBCrypt, PGP API documentation and code quality work.</li>
<li>Marcus Lundblad &lt;marcus.lundblad&#064primekey.se&gt; patch to working around JDK jarsigner TSP bug, optional setting of IssuerSerial in TimeStampTokenGenerator, additional extensions enhancement for time stamp token generation.</li>
<li>Andrey Zhozhin &lt;zhozhin&#064xrm.ru&gt; patch for override of TSP SignerInfo attributes.</li>
<li>Sergey Tiunov &lt;t5555d&#064gmail.com&gt; initial cut of DVCS classes.</li>
<li>Damian Kolas &lt;fatfredyy&#064gmail.com&gt; &amp; ASN1Sequence patch for class cast issue in X9Curve.</li>
<li>Ash Hughes &lt;ashley.hughes&#064blueyonder.co.uk&gt; patches for supporting PGPPrivateKeyRing/PGPPrivateKey encodings with empty private keys, initial code for PGPSignatureSubpacketVector.getEmbeddedSignatures().</li>
<li>Andrey Hirscher &lt;dev&#064daniel-hirscher.de&gt; patch to support parsing of explicit EC parameters in PEM files.</li>
<li>Daniele Ricci &lt;daniele.athome&#064gmail.com&gt; initial implementation of EC keys for OpenPGP and RFC6637 support.</li>
<li>Matti Aarnio &lt;matti.aarnio&#064methics.fi&gt; tweaks to any build to remove dependence on shell scripts.
Initial SM3 digest implementation, some EC related code cleanups, JavaDoc improvements for ASN.1 classes. Eric M&uuml;ller &lt;eric.mueller&#064sage.de&gt;: additional standard algorithm name lookups in JcaPEMKeyConverter.

Mathias Herberts &lt;Mathias.Herberts&#064gmail.com&gt;: fix to inOff usage in RFC3394WrapEngine.

Daniil Ivanov &lt;daniil.ivanov&#064gmail.com&gt;: addition of provider support for GOST HMAC SecretKeyFactory.

Daniele Grasso &lt;daniele.grasso86&#064gmail.com&gt;: contributions to final Key calculation code for SRP6.

Andrey Utkin &lt;cindrhc&#064gmail.com&gt;: patch to reconstruction of ECGOST keys from PrivateKeyInfo objects in provider classes.

Babak Najafi &lt;bnajafi&#064akamai.com&gt;: fixes to OpenPGP NotationData to prevent truncation problems.

Eric M&uuml;ller &lt;eric.mueller&#064sage.de&gt;: additional standard algorithm name lookups in JcaPEMKeyConverter.

Mathias Herberts &lt;Mathias.Herberts&#064gmail.com&gt;: fix to inOff usage in RFC3394WrapEngine.

Daniil Ivanov &lt;daniil.ivanov&#064gmail.com&gt;: addition of provider support for GOST HMAC SecretKeyFactory.

Daniele Grasso &lt;daniele.grasso86&#064gmail.com&gt;: contributions to final Key calculation code for SRP6.

Andrey Utkin &lt;cindrhc&#064gmail.com&gt;: patch to reconstruction of ECGOST keys from PrivateKeyInfo objects in provider classes.
Axel von dem Bruch &lt;axel-vdb@riseup.net&gt; Contributions to BCrypt/OpenBSDBCrypt, original version of Blake2bDigest.

Derek Atkins &lt;derek@ihtfp.com&gt; Documentation fixes to X9ObjectIdentifiers.

Peter Jr Halicky &lt;peto@halicky.sk&gt; Correction to notification/error message handling in SignedMailValidator.

lartiguePierre &lt;https://github.com/lartiguePierre&gt; Fix for counter signature SID in CMSSignedData.

Thomas Belot &lt;thomas.belot+BC@64gmail.com&gt; initial CertPathLoopTest for demonstrating stack overflow issue.

Rich DiCroce &lt;https://github.com/rdicroce&gt; Initial implementation of server-side TLS-SRP support. TLS API extension to support non-blocking usage.

Dominik Schuermann &lt;https://github.com/dschuermann&gt; method for returning signatures/verifications without user IDs on PGPPublicKey, method for exposing S2K in PGPSecretKey, constants for GNU protection modes in S2K classes, optional version header for armored output.

Michael &lt;MSKnete#64web.de&gt; initial fix for bitStrength issue for OpenPGP EC keys.

Tobias Wagner &lt;tobias.wagner@64n-design.de&gt; Fix SecureRandom handling in BcAsymmetricKeyWrapper [BJA-536].

Sergio Giro &lt;sgiro@64google.com&gt; Fixed adding of additional stores from CRL distribution point [BJA-537]. Fixed missing null check for CRL certificate issuer [BJA-538], removal of risky zeroisation code in PBE.java, check for salt in PBEKeys that require it.

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

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

Jan Willem Janssen &lt;j.w.janssen@bouncycastle#64lxtrme.nl&gt; Support for DSAParameters in lightweight SubjectPublicKeyInfoFactory, initial object signer verifier for BC lightweight EC.

Sebastian Oerding &lt;sebastian.oerding@robotron.de&gt; Fixes to toString() in x509.CertificatePolicies.

Kai Kramer &lt;kai.kramer@64gmail.com&gt; Code to deal with orphaned chain certificates in the PKCS#12 KeyStore.

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

Niko &lt;nfink95@64gmail.com&gt; fix to cast issue in getOutputSize() for ECIES.

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

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

Lukasz Deputat &lt;lukasz.deputat@64gmail.com&gt; Fixed bugs in TlsUtils read methods [BJA-592].

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

Andr&eacute; Berenguel &lt;https://github.com/aberenguel&gt; Fix to include ECNamedCurveSpec in EC AlgorithmParameterSpi

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

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

William Glanton &lt;wglanton77@64gmail.com&gt; Fixed bug in Poly1305 [BJA-620].

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

Joseph Naegele &lt;jaegele@64grierforensics.com&gt; Patch for handling multiple certificates in a DANE

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

Gorka Irazoqui &lt;girazoki@#064wifi.edu&gt;: from Intel Security Center of Excellence &lt;https://security-center.intel.com/&gt;: detection of the issue with AESFastEngine (CVE-2016-1000339), additional suggestions for improvement to hardening of AESEngine and finding cache sensitivities in EC key generation/signing.

Joerg Senekowitsch &lt;joerg.senekowitsch@#064veridos.com&gt;: patch to deal with hard coded boolean in EAC ECDSAPublicKey.


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

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Joerg Senekowitsch &lt;joerg.senekowitsch@#064veridos.com&gt;: patch to deal with hard coded boolean in EAC ECDSAPublicKey.


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Gorka Irazoqui &lt;girazoki@#064wifi.edu&gt;: from Intel Security Center of Excellence &lt;https://security-center.intel.com/&gt;: detection of the issue with AESFastEngine (CVE-2016-1000339), additional suggestions for improvement to hardening of AESEngine and finding cache sensitivities in EC key generation/signing.

Joerg Senekowitsch &lt;joerg.senekowitsch@#064veridos.com&gt;: patch to deal with hard coded boolean in EAC ECDSAPublicKey.
Cipher.doFinal().</li>

<li>Bernd &lt;https://github.com/ekci&gt; Fix to make PGPUtil.pipeFileContents use buffer and not leak file handle.</li>

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

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

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

<li>catbref &lt;https://github.com/catbref&gt; sample implementation of RFC 7748/Ed25519 (incorporated work from github users Valodim and str4d as well).</li>

<li>gerlion &lt;https://github.com/gerlion&gt; detection of concurrency issue with pre-1.60 EC math library.</li>

<li>fgrieu &lt;fgrieu#064gmail.com&gt; identification and suggested fixes for possible timing vulnerability in OAEPEncoding and RSACoreEngine.</li>

<li>MTG &lt;https://github.com/mtgag&gt; patch for decoding issues in PKIPublicationInfo and CertifiedKeyPair.</li>

<li>Andreas Gadermaier &lt;up.gadermaier#064gmail.com&gt; initial version of Argon2 PBKDF algorithm.</li>

<li>Tony Washer &lt;tony.washer@yahoo.co.uk&gt; review of qTesla, Java 1.9 module code.</li>

<li>Vincent Bouckaert &lt;https://github.com/veebee&gt; initial version of RFC 4998 ASN.1 classes.</li>

<li>Tony Washer &lt;https://github.com/tonywasher&gt; ECIESKeyEncapsulation fix for use of OldCofactor mode.</li>

<li>Aurimas Liutikas &lt;https://github.com/liutikas&gt; JavaDoc patches to ReasonsMask.</li>

</ul>

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1.572 node-opener 1.5.2-1

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1.576 leveldb 0.5

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1.591 connect-transforms 2.7.1

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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
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2.1.1    2.1+2.0.1    2001    PSF    yes
2.1.2    2.1.1    2002    PSF    yes
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Mersenne Twister
----------------

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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 :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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L. Peter Deutsch
ghost@aladdin.com

Independent implementation of MD5 (RFC 1321).

This code implements the MD5 Algorithm defined in RFC 1321, whose text is available at
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The code is derived from the text of the RFC, including the test suite (section A.5) but excluding the rest of Appendix A. It does not include any code or documentation that is identified in the RFC as being copyrighted.

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

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

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

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- Use binascii module to do the actual line-by-line conversion
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--------------------------

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

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1.601 go-rootcerts v1.0.2

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* /opt/cola/permits/1112205257_1607051776.24/0/estools-esutils-1-0-0-0-g022c6f2-tar-gz/estools-esutils-022c6f2/lib/utils.js
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esutils ([esutils](http://github.com/Constellation/esutils)) is utility box for ECMAScript language tools.

### Functions

#### code.isDecimalDigit(code)

Return true if provided code is decimal digit.

#### code.isHexDigit(code)

Return true if provided code is hexadecimal digit.

#### code.isOctalDigit(code)

Return true if provided code is octal digit.

#### code.isWhiteSpace(code)

Return true if provided code is white space. White space characters are formally defined in ECMA262.

#### code.isLineTerminator(code)

Return true if provided code is line terminator. Line terminator characters are formally defined in ECMA262.
Return true if provided code can be the first character of ECMA262 Identifier. They are formally defined in ECMA262.

Return true if provided code can be the trailing character of ECMA262 Identifier. They are formally defined in ECMA262.

Return true if provided identifier string is one of Keywords in ECMA262 5.1. They are formally defined in ECMA262. If strict flag is true, this function additionally checks whether id is keyword under strict mode.

Return true if provided identifier string is one of Keywords in ECMA262 6. They are formally defined in ECMA262. If strict flag is true, this function additionally checks whether id is keyword under strict mode.

Return true if provided identifier string is one of restricted words under strict mode: "eval" or "arguments". They are formally defined in ECMA262.

Return true if provided identifier string can be IdentifierName. They are formally defined in ECMA262.

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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1023201257_1591382095.57/0/reflection-0-9-12-sources-jar/com/nu/art/reflection/injector/AnnotatbleInjector.java
* /opt/ws_local/PERMITS_SQL/1023201257_1591382095.57/0/reflection-0-9-12-sources-jar/com/nu/art/reflection/utils/ClassInstantiationUtility.java
* /opt/ws_local/PERMITS_SQL/1023201257_1591382095.57/0/reflection-0-9-12-sources-jar/com/nu/art/reflection/injector/Injector.java
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* /opt/ws_local/PERMITS_SQL/1023201257_1591382095.57/0/reflection-0-9-12-sources-jar/com/nu/art/reflection/annotations/ReflectiveInitialization.java
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* /opt/ws_local/PERMITS_SQL/1023201257_1591382095.57/0/reflection-0-9-12-sources-jar/com/nu/art/reflection/hierarchy/HierarchyModel.java
* /opt/ws_local/PERMITS_SQL/1023201257_1591382095.57/0/reflection-0-9-12-sources-jar/com/nu/art/reflection/hierarchy/TypeHierarchy.java
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* /opt/ws_local/PERMITS_SQL/1023201257_1591382095.57/0/reflection-0-9-12-sources-
1.604 logstash-output-nagios 3.0.6

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*/

Found in path(s):
* /opt/cola/permits/1177945013_1625575335.76/0/jopt-simple-5-0-4-sources-8-jar/joptsimple/AlternativeLongOptionSpec.java
* /opt/cola/permits/1177945013_1625575335.76/0/jopt-simple-5-0-4-sources-8-jar/joptsimple/OptionParserState.java
* /opt/cola/permits/1177945013_1625575335.76/0/jopt-simple-5-0-4-sources-8-jar/joptsimple/UnconfiguredOptionException.java
* /opt/cola/permits/1177945013_1625575335.76/0/jopt-simple-5-0-4-sources-8-jar/joptsimple/AbstractOptionSpec.java
* /opt/cola/permits/1177945013_1625575335.76/0/jopt-simple-5-0-4-sources-8-jar/joptsimple/OptionSpec.java
* /opt/cola/permits/1177945013_1625575335.76/0/jopt-simple-5-0-4-sources-8-jar/joptsimple/internal/MethodInvokingValueConverter.java
* /opt/cola/permits/1177945013_1625575335.76/0/jopt-simple-5-0-4-sources-8-jar/joptsimple/OptionalArgumentOptionSpec.java
* /opt/cola/permits/1177945013_1625575335.76/0/jopt-simple-5-0-4-sources-8-jar/joptsimple/util/DateConverter.java
* /opt/cola/permits/1177945013_1625575335.76/0/jopt-simple-5-0-4-sources-8-jar/joptsimple/util/RegexMatcher.java
* /opt/cola/permits/1177945013_1625575335.76/0/jopt-simple-5-0-4-sources-8-jar/joptsimple/internal/ConstructorInvokingValueConverter.java
* /opt/cola/permits/1177945013_1625575335.76/0/jopt-simple-5-0-4-sources-8-jar/joptsimple/OptionArgumentConversionException.java
* /opt/cola/permits/1177945013_1625575335.76/0/jopt-simple-5-0-4-sources-8-jar/joptsimple/internal/Messages.java
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* /opt/cola/permits/1177945013_1625575335.76/0/jopt-simple-5-0-4-sources-8-jar/joptsimple/util/EnumConverter.java

1.613 querystring 0.2.0

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1.614 hitimes 1.3.1

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1.615 cidr-regex 3.1.1

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1.616 hapi-joi 15.1.1

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1.617 ieee754 1.1.12

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1.620 opensaml-saml-api 3.3.0

1.621 d3-contour 1.2.0
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1.625 balanced-match 1.0.0

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1.626 webencodings 0.5.1

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Found in path(s):
* /opt/cola/permits/1110814957_1606854649.94/0/webencodings-0-5-1-1-tar-gz/webencodings-
  0.5.1/webencodings/x_user_defined.py
* /opt/cola/permits/1110814957_1606854649.94/0/webencodings-0-5-1-1-tar-gz/webencodings-
  0.5.1/webencodings/tests.py
* /opt/cola/permits/1110814957_1606854649.94/0/webencodings-0-5-1-1-tar-gz/webencodings-
  0.5.1/webencodings/labels.py
* /opt/cola/permits/1110814957_1606854649.94/0/webencodings-0-5-1-1-tar-gz/webencodings-
  0.5.1/webencodings/__init__.py

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from setuptools import setup, find_packages
import io
import os
import re

VERSION = re.search(r"VERSION = '([^']*)'", io.open(path.join(path.dirname(__file__), 'webencodings', '__init__.py'), encoding='utf-8').read().strip()).group(1)

LONG_DESCRIPTION = io.open(path.join(path.dirname(__file__), 'README.rst'), encoding='utf-8').read()

setup(
    name='webencodings',
    version=VERSION,
    url='https://github.com/SimonSapin/python-webencodings',
    license='BSD',
    author='Simon Sapin',
    author_email='simon.sapin@exyr.org',
    maintainer='Geoffrey Sneddon',
    maintainer_email='me@gsnedders.com',
    description='Character encoding aliases for legacy web content',
    long_description=LONG_DESCRIPTION,
    classifiers=[
        'Development Status :: 4 - Beta',
        'Intended Audience :: Developers',
        'License :: OSI Approved :: BSD License',
        'Programming Language :: Python',
        'Programming Language :: Python :: 2',
        'Programming Language :: Python :: 2.6',
        'Programming Language :: Python :: 2.7',
        'Programming Language :: Python :: 3',
        'Programming Language :: Python :: 3.3',
        'Programming Language :: Python :: 3.4',
        'Programming Language :: Python :: 3.5',
        'Programming Language :: Python :: 3.6',
        'Programming Language :: Python :: Implementation :: CPython',
        'Programming Language :: Python :: Implementation :: PyPy',
        'Topic :: Internet :: WWW/HTTP',
    ],
    packages=find_packages(),
)

Found in path(s):
* /opt/cola/permits/1110814957_1606854649.94/0/webencodings-0.5.1-1.tar-gz/webencodings-0.5.1/setup.py
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```python
webencodings.mklables
~~~~~~~~~~~~~~~~~~~~

Regenerate the webencodings.labels module.

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```
for category in json.loads(urlopen(url).read().decode('ascii'))
    for encoding in category['encodings']
        for label in encoding['labels']
            max_len = max(len(label) for label, name in labels)
            parts.extend(
                '    %s:%s %s,
' % (label, ' ' * (max_len - len(label)), name)
                for label, name in labels)
            parts.append('}
    return ''.join(parts)

if __name__ == '__main__':
    print(generate('http://encoding.spec.whatwg.org/encodings.json'))

Found in path(s):
* /opt/cola/permits/1110814957_1606854649.94/0/webencodings-0.5.1-1-tar-gz/webencodings-0.5.1/webencodings/mklabels.py
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Metadata-Version: 1.1
Name: webencodings
Version: 0.5.1
Summary: Character encoding aliases for legacy web content
Home-page: https://github.com/SimonSapin/python-webencodings
Author: Geoffrey Sneddon
Author-email: me@gsnedders.com
License: BSD
Description: python-webencodings

This is a Python implementation of the `WHATWG Encoding standard`
<http://encoding.spec.whatwg.org/>.

* Latest documentation: http://packages.python.org/webencodings/
* Source code and issue tracker: https://github.com/gsnedders/python-webencodings
* PyPI releases: http://pypi.python.org/pypi/webencodings
* License: BSD
* Python 2.6+ and 3.3+

In order to be compatible with legacy web content
when interpreting something like `Content-Type: text/html; charset=latin1`,
tools need to use a particular set of aliases for encoding labels
as well as some overriding rules.
For example, `US-ASCII` and `iso-8859-1` on the web are actually
aliases for `windows-1252`, and an UTF-8 or UTF-16 BOM takes precedence
over any other encoding declaration.
The Encoding standard defines all such details so that implementations do
This module has encoding labels and BOM detection, but the actual implementation for encoders and decoders is Pythons.

In order to be compatible with legacy web content when interpreting something like `"Content-Type: text/html; charset=latin1`", tools need to use a particular set of aliases for encoding labels as well as some overriding rules. For example, `"US-ASCII"` and `"iso-8859-1` on the web are actually aliases for `"windows-1252`", and an UTF-8 or UTF-16 BOM takes precedence over any other encoding declaration.
The Encoding standard defines all such details so that implementations do not have to reverse-engineer each other.

This module has encoding labels and BOM detection, but the actual implementation for encoders and decoders is Pythons.

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* /opt/cola/permits/1110814957_1606854649.94/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/README.rst

1.627 hiredis 0.14.1

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1.629 has-flag 3.0.0

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1.630 guava 18.0

1.631 @babel/helper-regex 7.0.0

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 */

/**
 * AUTOMATICALLY GENERATED CODE - DO NOT MODIFY
 */

package datatypes
// no documentation yet

type Legal_RegulatedWorkload struct {
    Account *Account `json:"account,omitempty" xmlrpc:"account,omitempty"
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Portions of the client are based on code at:
https://github.com/google/go-github/ and
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>>> aws_aws-sdk-go_aws-master
>>> coreos_etcd_client-781196fa8746d6e34ace2a62898051af6dc46002
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>>> coreos_etcd_version-781196fa8746d6c4ace2a62898051af6dc46002
>>> coreos_go-semver_semver-5e3acb5668c4c3deb4842615c4098eb6b1f6b1e
>>> docker_distribution-28602af35aceda2f8d571bad7ca37a54fcf0250bc
>>> docker_go-events-aae2e3b6133fbfddde0557a9b9e3e271cfd83eca
>>> docker_libnetwork-fd27f22aaa35e3d578868889f19d05b744f431fd
>>> docker_libtrust-9ebd2a1374f46905c68a4eb3694a130610adc62a
>>> go-openapi_analysis-d5a75b7d751ca3f11ad5d93ce97405f23c3f6a47
>>> go-openapi_errors-fc3f73a224499b047eda7191e5d0c0f35599ed
>>> go-openapi_jsonpointer-779f45308c19820f1a69e9a4cd965f946e0d0a10f
>>> go-openapi_jsonreference-36d33bfe519e1af5632669801b180bf1a245da3b
>>> go-openapi_loads-6bb6486231e079ea125c0f359994ed3d0ce353399ed
>>> go-openapi_runtime-3b13eb4b6790d871d74a6c2450faa4b1280f90854
>>> go-openapi_spec-e072eb2390d3a03736a6eb6173d0f48369160447
>>> go-openapi_strfmt-96d7b9ebd181a1735a1c9ae87914f2b32bf5b6c9
>>> go-openapi_validate-035dcd74f1f6e183debe1c22950dc53556e7e4b2
>>> go_compute_metadata-cd0da878c660910602e7403ab6212b3e387e0
>>> go_internal-cd0da878c660910602e7403ab6212b3e387e0
>>> golang_glog-d2g_dhcp4-f0e4d29ff0231dce36e250b2ed9ff08412584bca
SECTION 3: Mozilla Public License, V2.0

>>> d2g_dhcp4client-master
>>> hashicorp_go-cleanhttp-875fb671b3ddc66f8e2f0acc33829c8cb989a38d
>>> hashicorp_memberlist-cef12ad58224d55cf26ca9e3d239c2fcb3432a2

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>>> bzip2-1.0.6-8.ph2
>>> curl-7.59.0-4.ph2
>>> expat-2.2.4-1.ph2
>>> iputils-20151218-4.ph2
>>> krb5-1.16-2.ph2
>>> libarchive-3.3.1-2.ph2
>>> libcap-2.25-7.ph2
>>> libdb-5.3.28-1.ph2
>>> libffi-3.2.1-5.ph2
>>> libsolv-0.6.26-3.ph2
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>>> libtirpc-1.0.1-8.ph2
>>> linux-pam-1.3.0-1.ph2
>>> lsif-4.89-2.ph2
>>> ncurses-6.0-14.ph2
>>> openssh-7.5p1-11.ph2
>>> openssl-1.0.2q-1.ph2
>>> pcre-8.41-1.ph2
>>> popt-1.16-5.ph2
>>> shadow-4.2.1-16.ph2
>>> sqlite-3.22.0-3.ph2
>>> sudo-1.8.20p2-5.ph2
>>> vim-8.0.0533-6.ph2
>>> xz-5.2.3-2.ph2
>>> zlib-1.2.11-1.ph2
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>>> e2fsprogs-1.43.4-2.ph2
>>> gcc-6.3.0-7.ph2
>>> iproute2-4.10.0-3.ph2
>>> iptables-1.6.1-4.ph2
>>> linux-exx-4.9.154-1.ph2
>>> logrotate-3.11.0-3.ph2
>>> mingetty-1.08-2.ph2
>>> net-tools-1.60-11.ph2
>>> procps-ng-3.3.15-2.ph2
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>>> coreutils-8.27-3.ph2
>>> elfutils-0.169-3.ph2
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>>> readline-7.0-2.ph2

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>>> glibc-2.26-13.ph2
>>> hawkey-2017.1-6.ph2
>>> kmod-24-3.ph2
>>> libgcrypt-1.8.1-2.ph2
>>> libgpg-error-1.27-1.ph2
>>> systemd-233-18.ph2

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>>> docker_libnetwork-fd27f22aaa35e3d57f88688f919d05b744f431f6d

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```bash
>>> go-openapi_runtime-3b13ebb46790d871d74a6c2450fa4b1280f90854
```

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>>> go-openapi_strfmt-0cb3db44c13bad3b3f567b762a66751972a310cc

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>>> golang_glog-23def4e6c14b4da8ac2ed8007337bc5eb5007998

Go support for leveled logs, analogous to https://code.google.com/google-glog

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>>> syncutil_singleflight-7ce08ca145db0e66a127c447b800e7914f3e4f9

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>>> azure_go-ansiterm-70b2c90b260171e829f1ebd7c17f600c11858dbe

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>>> boltdb_bolt-b514920f8f2e0a68f857e5a12c774f385a59aef9

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stringreplacer

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>>> cpuguy83_go-md2man_md2man-a65d4d2de4d5f7c74868df9b202a3c8be315aaa
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go-md2man-a65d4d2de4d5f7c74868dfa9b202a3c8be315aaa.tar.gz

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>>> gizak_termui-798ffbb9cbe4073ef1f88e6069ca4a2c6aa6676b

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>>> go-check_check-20d25e2804050c1cd24a7eea1e7a6447dd0e74ec

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>>> godbus_dbus-230e4b23db2fd81e53eaa0073f76659d4849ce51

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>>> gogo_protobuf_gogoproto-6a92c871a8f5333cf106b2cdf937567208dbb2b7

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>>> gogoprotobuf_common-source/6a92c871a8f5333cf106b2cfd937567208dbb2b7

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Protocol Buffers for Go with Gadgets

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tomb - support for clean goroutine termination in Go.

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>>> x_crypto_curve25519-728b753d0135da6801d45a38e6f43ff55779c5c2

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>>> x_crypto_nacl_secretbox-728b753d0135da6801d45a38e6f43ff55779c5c2

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```plaintext
>>> x_crypto_poly1305-728b753d0135da6801d45a38e6f43ff55779c5c2
```

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>>> x_crypto_salsa20_salsa-728b753d0135da6801d45a38e6f43ff55779c5c2

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crypto-728b753d0135da6801d45a38e6f43ff55779c5c2/ed25519 internals edwards25519 const.go
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```plaintext
>>> x_crypto_ssh-728b753d0135da6801d45a38e6f43ff55779c5c2
```

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+build appengine

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package short

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Re-implemented by Vincent Sanders <vince@kyllikki.org> with extensive
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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
and the initial implementation of incremental propagation, including the following new or changed files:

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kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
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@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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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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>>> pcre-8.41-1.ph2

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TH su 1 "18 August 1999" "GNU Shell Utilities 20"

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chkconfig:   2345 11 89
description: sets up CBQ-based traffic control

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IPv6 Hop Limit Target module
Maciej Soltysiak <solt@dns.toxicfilms.tv>
Based on HW's ttl target
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```
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```

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```

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Reasonably optimised generic C-code for memcpy on Microblaze
This is generic C code to do efficient, alignment-aware memcpy.

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line - read one line


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2.32\misc-utils\uuidparse.c

uuidparse.c --- Interpret uuid encoded information. This program
violates the UUID abstraction barrier by reaching into the
guts of a UUID.

Based on libuuid/src/uuid_time.c
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From Simon Josefsson
-- derivated from coreutils m4/warnings.m4

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setpwnam.c -- edit an entry in a password database.
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Edited 11/10/96 (DD/MM/YY ;-) by Nicolai Langfeldt (janl@math.uio.no) to read /etc/passwd directly so that passwd, chsh and chfn can work on machines that run NIS (previously YP). Changes will not be made to usernames starting with +.

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Usage:
1) get a struct passwd from getpwnam().
You should assume a struct passwd has an infinite number of fields, so you should not try to create one from scratch.
2) edit the fields you want to edit.
3) call setpwnam() with the edited struct passwd.

A _normal user_ program should never directly manipulate etc/passwd but /use getpwnam() and (family, as well as) setpwnam().

But, setpwnam was made to _edit_ the password file. For use by chfn, chsh and passwd. _I_ _HAVE_ to read and write /etc/passwd directly. Let those who say nay be forever silent and think about how getpwnam (and family) works on a machine running YP.

Added checks for failure of malloc() and removed error reporting to stderr, this is a library function and should not print on the screen, but return appropriate error codes.

27-Jan-97 - poe@daimi.aau.dk

Thanks to "two guys named Ian".

$Author: poer $
$Revision: 1.13 $
$Date: 1997/06/23 08:26:29 $
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Python bindings for the libmount library.

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Bison implementation for Yacc-like parsers in C


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error.c -- Functions for handling errors.

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A Bison parser, made by GNU Bison 3.0.4.

Bison interface for Yacc-like parsers in C


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( Mostly) portable public-domain implementation -- D A Gwyn

This implementation of the PWB library alloca function, which is used to allocate space off the run-time stack so that it is automatically reclaimed upon procedure exit, was inspired by discussions with J. Q. Johnson of Cornell. J. Otto Tennant <jot@cray.com> contributed the Cray support.

There are some preprocessor constants that can be defined when compiling for your specific system, for improved efficiency; however, the defaults should be okay.

The general concept of this implementation is to keep track of all alloca-allocated blocks, and reclaim any that are found to be deeper in the stack than the current invocation. This heuristic does not reclaim storage as soon as it becomes invalid, but it will do so eventually.

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alloca.c -- allocate automatically reclaimed memory
(Mostly) portable public-domain implementation -- D A Gwyn

This implementation of the PWB library alloca function,
which is used to allocate space off the run-time stack so
that it is automatically reclaimed upon procedure exit,
was inspired by discussions with J. Q. Johnson of Cornell.
J.Otto Tennant <jot@cray.com> contributed the Cray support.

There are some preprocessor constants that can
be defined when compiling for your specific system, for
improved efficiency; however, the defaults should be okay.

The general concept of this implementation is to keep
track of all alloca-allocated blocks, and reclaim any
that are found to be deeper in the stack than the current
invocation. This heuristic does not reclaim storage as
soon as it becomes invalid, but it will do so eventually.

As a special case, alloca(0) reclaims storage without
allocating any. It is a good idea to use alloca(0) in
your main control loop, etc. to force garbage collection.

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kmod-24.tar.xz\kmod-24.tar\kmod-24\tools\rmmod.c

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Hash DRBG with DF with SHA-1, SHA-256, SHA-384, SHA-512 cores
HMAC DRBG with DF with SHA-1, SHA-256, SHA-384, SHA-512 cores
with and without prediction resistance

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nss-3.31.1.tar.gz\stage\NSS_3_31_1_RTM\src\nss-3.31.1.tar\nss-3.31.1\nss\pkg\linux\sun-nss.spec

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b) Convey the object code in, or embodied in, a physical product
   (including a physical distribution medium), accompanied by a
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conveying of source, or (2) access to copy the

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

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

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

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

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

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:

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Version 2.1, February 1999

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

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

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

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

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

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

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.
4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

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

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

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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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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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Version 3, 29 June 2007

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1.636 merge v0.3.5

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import: ../../../../fossene/db/schema/thing.yml

fields:
  site: string
  author: root

1.637 golang-protobuf-extensions v1.4.2

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1.639 uuid-runtime 2.36.1-8

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set xtics rotate by -45
set style histogram errorbars gap 2 lw 1
set style fill solid border -1

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#
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1.653 i18n 0.6.9

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analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java
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1.663 xz 5.2.4 1

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1.675 opentracing-contrib-go-grpc v0.0.0-20180928155321-4b5a12d3ff02

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1.676 classnames 2.2.5

1.677 jwa 1.1.6
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1.680 array-flatten 1.1.1

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1.693 p11-kit 0.23.3 2

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1.694 graphite 1.3.14-1

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1.695 miller-rabin 4.0.1

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1.696 avl_tree 1.2.1

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# AVL tree, Red-black tree in Ruby

avl_tree - AVL tree, Red-black tree and Lock-free Red black tree in Ruby
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## Usage

You can use AVLTree, RedBlackTree or ConcurrentRedBlackTree just as a
replacement of Hash.

```ruby
@points = Hash.new
...
@points[score] = person
...
@points.each do |score, person|
  ...
end

->
```

require 'avl_tree'
@points = AVLTree.new

require 'red_black_tree'
@points = RedBlackTree.new

@points = ConcurrentRedBlackTree.new
AVLTree and RedBlackTree are faster but not thread-safe. Use ConcurrentRedBlackTree in multi-thread environment.

## Author

Name:: Hiroshi Nakamura  
E-mail:: nahi@ruby-lang.org  
Project web site:: http://github.com/nahi/avl_tree

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1.697 golang-lru v0.5.1

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

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

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

* java.sun.security.ssl

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

OW2

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

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

Apache

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

MortBay

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

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Mortbay

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.719 apollo-tracing 0.1.4

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1.720 snappy-java 1.1.7.1

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* /opt/ws_local/PERMITS_SQL/1018361853_1591902693.78/0/snappy-java-1-1-7-1-sources-jar/org/xerial/snappy/SnappyOutputStream.java
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* /opt/ws_local/PERMITS_SQL/1018361853_1591902693.78/0/snappy-java-1-1-7-1-sources-jar/org/xerial/snappy/BitShuffleType.java
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1.721 qs 6.9.4
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1.723 brotli 1.0.9-2+b2

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1.725 json5 1.0.1

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1.726 redux-thunk 2.3.0

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1.727 elasticsearch-rest-client 6.8.16

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1.728 structs 1.2

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jar/org/springframework/web/servlet/mvc/method/annotation/ViewMethodReturnValueHandler.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-
jar/org/springframework/web/servlet/mvc/condition/ConsumesRequestCondition.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-
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* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-
jar/org/springframework/web/servlet/mvc/method/annotation/SessionAttributeMethodArgumentResolver.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-
jar/org/springframework/web/servlet/handler/AbstractUrlHandlerMapping.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-
jar/org/springframework/web/servlet/mvc/method/annotation/ResponseEntityExceptionHandler.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-
jar/org/springframework/web/servlet/config/MvcNamespaceUtils.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-
jar/org/springframework/web/servlet/mvc/method/annotation/AbstractMessageConverterMethodProcessor.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-
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* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-
jar/org/springframework/web/servlet/mvc/condition/AbstractRequestCondition.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-
jar/org/springframework/web/servlet/mvc/method/annotation/RequestMappingHandlerAdapter.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-
jar/org/springframework/web/servlet/mvc/method/annotation/ViewNameMethodReturnValueHandler.java
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* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-
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* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-
jar/org/springframework/web/servlet/config/MvcNamespaceUtils.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-
jar/org/springframework/web/servlet/mvc/method/annotation/ExceptionHandlerExceptionResolver.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-
jar/org/springframework/web/servlet/mvc/method/annotation/RequestMappingInfo.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-
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* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-
jar/org/springframework/web/servlet/config/annotation/InterceptorRegistration.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-
jar/org/springframework/web/servlet/resource/WebJarsResourceResolver.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-
jar/org/springframework/web/servlet/mvc/method/annotation/AbstractMessageConverterMethodProcessor.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-
jar/org/springframework/web/servlet/mvc/method/annotation/RequestMappingInfoHandlerMethodMappingNamingStrategy.jav
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* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-
jar/org/springframework/web/servlet/mvc/method/annotation/RequestMappingHandlerAdapter.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-
jar/org/springframework/web/servlet/mvc/method/annotation/ViewNameMethodReturnValueHandler.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-
jar/org/springframework/web/servlet/mvc/condition/ProducesRequestCondition.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-
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* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/mvc/method/annotation/ModelAndViewMethodReturnValueHandler.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/mvc/method/annotation/UriComponentsBuilderMethodArgumentResolver.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/mvc/support/RedirectAttributesModelMap.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/mvc/method/annotation/RedirectAttributesMethodArgumentResolver.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/mvc/method/annotation/DeferredResultMethodReturnValueHandler.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/resource/AppCacheManifestTransformer.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/mvc/method/annotation/ServletCookieValueMethodArgumentResolver.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/mvc/method/annotation/AsyncTaskMethodReturnValueHandler.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/handler/HandlerInterceptorAdapter.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/view/AbstractUrlBasedView.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/resource/AbstractResourceResolver.java
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* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/handler/AbstractHandlerMethodMapping.java

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* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/view/freemarker/FreeMarkerConfig.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/handler/SimpleServletPostProcessor.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/theme/SessionThemeResolver.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/view/groovy/GroovyMarkupView.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/HandlerInterceptor.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/mvc/method/annotation/RequestAttributeMethodArgumentResolver.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/config/annotation/EnableWebMvc.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/config/annotation/CorsRegistry.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/mvc/condition/RequestConditionHolder.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/resource/CachingResourceTransformer.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/mvc/method/annotation/PathVariableMapMethodArgumentResolver.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/resource/HttpResource.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/mvc/method/annotation/PathVariableMethodArgumentResolver.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/resource/RequestCondition.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/resource/ResourceResolver.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/resource/ResourceTransformer.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/resource/ServletRequestWrapper.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/HandlerInterceptor.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/ThemeResolver.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/mvc/method/annotation/PathVariableMethodArgumentResolver.java
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/**  
* XSLT-driven View that allows for response context to be rendered as the  
* result of an XSLT transformation.  
*  
* <p>The XSLT Source object is supplied as a parameter in the model and then  
* [{@link #locateSource detected}] during response rendering. Users can either specify  
* a specific entry in the model via the [{@link #setSourceKey sourceKey}] property or  
* have Spring locate the Source object. This class also provides basic conversion  
* of objects into Source implementations. See [{@link #getSourceTypes()} here]  
* for more details.
*/
All model parameters are passed to the XSLT Transformer as parameters. In addition the user can configure \{ @link #setOutputProperties output properties \} to be passed to the Transformer.

@author Rob Harrop
@author Juergen Hoeller
@since 2.0

/*

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* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/handler/AbstractDetectingUrlHandlerMapping.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/view/tiles3/AbstractSpringPreparerFactory.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/tags/form/OptionWriter.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/mvc/support/RedirectAttributes.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/mvc/HttpRequestHandlerAdapter.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/tags/form/TagIdGenerator.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/theme/AbstractThemeResolver.java

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* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/i18n/AbstractLocaleResolver.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/theme/ThemeChangeInterceptor.java

1.730 slf4j 1.7.26

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"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta http-equiv="content-type" content="text/html; charset=iso-8859-1" />
<title>SLF4J License</title>
<link rel="stylesheet" type="text/css" media="screen" href="css/site.css" />
</head>
<body>
<script type="text/javascript">prefix='';</script>

<script src="templates/header.js" type="text/javascript"></script>
<script src="templates/left.js" type="text/javascript"></script>
<script src="templates/right.js" type="text/javascript"></script>

<div id="content">
<h1>Licensing terms for SLF4J</h1>
<p>SLF4J source code and binaries are distributed under the MIT license.</p>
</div>
</body>
</html>
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1.731 babel-plugin-transform-react-jsx 6.24.1

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1.732 lz4-java 1.5.0

1.733 end-of-stream 1.4.1

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**1.736 rison-node 0.3.1**

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1.738 object-path-immutable 0.5.3

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1.739 crossvent 1.5.4

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    pkgname=libart-lgpl
    pkgver=2.3.21
    pkgrel=6
    pkgdesc="A library for high-performance 2D graphics"
    url="https://www.levien.com/libart/
    arch="all"
    options="!check"  # No test suite.
    license="LGPL-2.0-or-later"
    subpackages="$pkgname-dev"
    source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2"

    builddir="$srcdir/libart_lgpl-$pkgver"

    prepare() {
        update_config_sub
        default_prepare
    }
build() {
   /configure \
   --build=$CBUILD \n   --host=$CHOST \n   --prefix=/usr
make
}

package() {
make DESTDIR="$pkgdir" install
}

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e76654309e001aee9bace727b5b4c8589405256a3c020  libart_lgpl-2.3.21.tar.bz2"
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pkgname=py3-flake8-copyright
_pkpkgname=flake8-copyright
pkgver=0.2.2
pkgrel=1
pkgdesc="Extension for flake8 which checks for copyrights"
options="!check" # No testsuite
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="py3-flake8 py3-setuptools"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/${_pkgname}/${_pkgname}-${pkgver}.tar.gz"
builddir="$srcdir"/_pkgname-$pkgver

replaces="py-flake8-copyright" # Backwards compatibility
provides="py-flake8-copyright=${pkgver}-r$pkgrel" # Backwards compatibility

build() {
python3 setup.py build
}

package() {
python3 setup.py install --prefix=/usr --root="$pkgdir"
}

sha512sums="8ade49f386e67d14e4b826946b947454cf2502ff249a9ab1d359f61fa42ebc2b17dd465708894cf82f1d153f0e1bed746464220d40d9d4dc1b07940ec280f28  flake8-copyright-0.2.2.tar.gz"

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pkgname=perl-bsd-resource
_pkgreal=BSD-Resource
pkgver=1.2911
pkgrel=4
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource"
arch="all"
license="GPL-1.0-or-later OR Artistic-1.0-Perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/$_pkgreal-$pkgver.tar.gz"

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

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

build() {
  export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
  make
}

check() {
  make test
}

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

sha512sums="d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16
  dfa5417f663b8065ba65f4fea16dc9262728b3b6b85  BSD-Resource-1.2911.tar.gz"

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pkgname=spdx-licenses
pkgver=3.8
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="$pkgname"
    mkdir -p "$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="0950540df050fb7f7f92f5ad11bf756725e233d701f0c5b2fc5bfa85da65bba34000de7fd78b4b1d8a41de
ab4e461a5f1018f4869df9f3e0428a5a64c32c0160 license-list-data-3.8.tar.gz"
mini_sendmail - accept email on behalf of real sendmail

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1.744 adduser 3.115

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Since Nov 27 1996, it was maintained by Guy Maor <maor@debian.org>. He rewrote most of it.

Since May 20 2000, it is maintained by Roland Bauerschmidt <rb@debian.org>.

Since March 24 2004, it is maintained by Roland Bauerschmidt <rb@debian.org>, and co-maintained by Marc Haber <mh+debian-packages@zugschlus.de>

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1.746 simple-xml 1.1.5

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* /opt/cola/permits/1156528636_1619204971.1/0/xml-simple-1-1-5-gem/data-tar-gz/lib/xmlsimple.rb

1.747 @hapi/bounce 1.3.2

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1.748 gmp 6.2.1+dfsg-1
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1.773 hk2-locator 2.5.0

1.774 libunistring 0.9.10-4

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@c Local Variables:
c ispell-local-pdict: "ispell-dict"
c End:

1.775 openjdk-jre 11.0.11+9-1

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Description: Makes the generated copyright headers reproducible
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Forwarded: no
--- a/make/jdk/src/classes/build/tools/cldrconverter/CopyrightHeaders.java
+++ b/make/jdk/src/classes/build/tools/cldrconverter/CopyrightHeaders.java
@@ -26,6 +26,7 @@
package build.tools.cldrconverter;

import java.util.Calendar;
+import java.util.Date;
import java.util.GregorianCalendar;
import java.util.Locale;
import java.util.TimeZone;
@@ -150,8 +151,14 @@
            } catch (ParseException e) {
                throw new AssertionError(e)
            }
+        Date date = new Date();
+        if (System.getenv("SOURCE_DATE_EPOCH") != null) {
+            date = new Date(1000 * Long.valueOf(System.getenv("SOURCE_DATE_EPOCH")));
+        }
+        GregorianCalendar calendar = new GregorianCalendar(TimeZone.getTimeZone("UTC"), Locale.ENGLISH);
+        calendar.setTime(date);

        private static int getYear() {
            return new GregorianCalendar(TimeZone.getTimeZone("America/Los_Angeles"), Locale.US).get(Calendar.YEAR);
            Date date = new Date();
            if (System.getenv("SOURCE_DATE_EPOCH") != null) {
                date = new Date(1000 * Long.valueOf(System.getenv("SOURCE_DATE_EPOCH")));
            }
            GregorianCalendar calendar = new GregorianCalendar(TimeZone.getTimeZone("UTC"), Locale.ENGLISH);
            calendar.setTime(date);
import java.time.ZoneId;
import java.time.ZonedDateTime;
import java.util.ArrayList;
+import java.util.Calendar;
+import java.util.Date;
+import java.util.GregorianCalendar;
import java.util.List;
import java.util.Locale;
import java.util.Map;
+import java.util.TimeZone;
import java.util.TreeMap;

/**
@@ -225,8 +229,15 @@
+ "\n+ private static String getOpenJDKCopyright() {
+ int year = ZonedDateTime.now(ZoneId.of("America/Los_Angeles")).getYear();
+ Date date = new Date();
+ if (System.getenv("SOURCE_DATE_EPOCH") != null) {
+ date = new Date(1000 * Long.valueOf(System.getenv("SOURCE_DATE_EPOCH")));
+ }
+ GregorianCalendar calendar = new GregorianCalendar(TimeZone.getTimeZone("UTC"), Locale.ENGLISH);
+ calendar.setTime(date);
+ int year = calendar.get(Calendar.YEAR);
+ return String.format(Locale.US, COPYRIGHT, year);
}"

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  `888' `8`888 `Y88. `8888 d8'
   888  8 888 ..d88' Y888..8P
   888  8 888ooo88P' `8888'
   888  8 888 .8PY888.
`888 .8`888  d8` `888b
 `YbodP' o888o  o888o o88888o
```

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.5 of 10 December 2007

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1.793 gson 2.8.5

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1.797 golang-snappy 0.0.1

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1.798 protobuf v1.23.0

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1.801 readable-stream 2.3.7

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1.803 coredns-coredns v1.8.4

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1.807 logstash-filter-drop 3.0.5

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Appendix: How to Apply These Terms to Your New Programs

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<one line to give the program's name and a brief idea of what it does.>
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`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
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[This is the first released version of the library GPL. It is
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Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

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

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

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

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

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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.

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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
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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.

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b) Accompany the work with a written offer, valid for at
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c) If distribution of the work is made by offering access to copy
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1.828 grpc-gateway v1.14.6-0.20200519165156-52697fc4a249

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1.832 octokit 3.8.0

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1.835 Iru-cache 4.1.1

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The basic library functions are written in C and are freestanding. Also
included in the distribution is a set of C++ wrapper functions.

THE BASIC LIBRARY FUNCTIONS

Written by: Philip Hazel
Email local part: ph10
Email domain: cam.ac.uk
THE C++ WRAPPER FUNCTIONS

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A. HISTORY OF THE SOFTWARE

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

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

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

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

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1.838 queue v1.1.0
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1.851 jersey-hk2 2.27

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1.852 node-mute-stream 0.0.8-2

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1.853 zlib 1.2.8

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1.854 acl 2.2.51 15.el7

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* java.sun.security.ssl

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org.apache.tomcat:tomcat-util-scan
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1.862 libnetfilter-cttimeout 1.0.0 7.el7

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1.865 is-glob 3.1.0

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1.868 node-extend 3.0.2-1

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1.869 scala-reflect 2.12.6

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1.870 vega-tooltip 0.9.14

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1.871 pez 4.0.5

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* * *

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1.872 errors 0.8.1

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1.873 commons-math 3.2

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* /opt/cola/permits/1126439541_1611634442.47/0/json-20131018-sources-jar/org/json/Property.java
* /opt/cola/permits/1126439541_1611634442.47/0/json-20131018-sources-jar/org/json/CookieList.java
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* /opt/cola/permits/1126439541_1611634442.47/0/json-20131018-sources-jar/org/json/CDL.java
* /opt/cola/permits/1126439541_1611634442.47/0/json-20131018-sources-jar/org/json/XMLTokener.java
* /opt/cola/permits/1126439541_1611634442.47/0/json-20131018-sources-jar/org/json/HTTPTokener.java

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* /opt/cola/permits/1026086822_1623174799.37/0/netty-handler-4-1-42-final-sources-4.jar/io/netty/handler/ssl/SslCloseCompletionEvent.java
* /opt/cola/permits/1026086822_1623174799.37/0/netty-handler-4-1-42-final-sources-4.jar/io/netty/handler/ssl/ocsp/OcspClientHandler.java
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  jar/io/netty/handler/address/package-info.java
* /opt/cola/permits/1026086822_1623174799.37/0/netty-handler-4-1-42-final-sources-4-
  jar/io/netty/handler/ssl/OpenSslPrivateKeyMethod.java
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jar/io/netty/handler/ssl/OpenSslSessionTicketKey.java
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jar/io/netty/handler/ssl/ClientAuth.java
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jar/io/netty/handler/ssl/util/package-info.java
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jar/io/netty/handler/ssl/NotSslRecordException.java
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jar/io/netty/handler/stream/ChunkedStream.java
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jar/io/netty/handler/stream/ChunkedNioStream.java
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jar/io/netty/handler/stream/ChunkedInput.java
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jar/io/netty/handler/ssl/PemValue.java
* /opt/cola/permits/1026086822_1623174799.37/0/netty-handler-4-1-42-final-sources-4-
jar/io/netty/handler/flush/FlushConsolidationHandler.java
* /opt/cola/permits/1026086822_1623174799.37/0/netty-handler-4-1-42-final-sources-4-
jar/io/netty/handler/ssl/ReferenceCountedOpenSslEngine.java
* /opt/cola/permits/1026086822_1623174799.37/0/netty-handler-4-1-42-final-sources-4-
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* /opt/cola/permits/1026086822_1623174799.37/0/netty-handler-4-1-42-final-sources-4-
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* /opt/cola/permits/1026086822_1623174799.37/0/netty-handler-4-1-42-final-sources-4-
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Found in path(s):
* /opt/cola/permits/1026086822_1623174799.37/0/netty-handler-4-1-42-final-sources-4- 
  jar/io/netty/handler/ssl/util/SelfSignedCertificate.java
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jar/io/netty/handler/traffic/GlobalTrafficShapingHandler.java
* /opt/cola/permits/1026086822_1623174799.37/0/netty-handler-4-1-42-final-sources-4-
jar/io/netty/handler/traffic/ChannelTrafficShapingHandler.java
* /opt/cola/permits/1026086822_1623174799.37/0/netty-handler-4-1-42-final-sources-4-
jar/io/netty/handler/traffic/TrafficCounter.java
* /opt/cola/permits/1026086822_1623174799.37/0/netty-handler-4-1-42-final-sources-4-
jar/io/netty/handler/traffic/package-info.java
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* /opt/cola/permits/1026086822_1623174799.37/0/netty-handler-4-1-42-final-sources-4-jar/META-INF/native-image/io.netty/handler/native-image.properties
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* /opt/cola/permits/1026086822_1623174799.37/0/netty-handler-4-1-42-final-sources-4-jar/io/netty/handler/ssl/Java7SslParametersUtils.java
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* /opt/cola/permits/1026086822_1623174799.37/0/netty-handler-4-1-42-final-sources-4-jar/io/netty/handler/ssl/ApplicationProtocolUtil.java
* /opt/cola/permits/1026086822_1623174799.37/0/netty-handler-4-1-42-final-sources-4-jar/io/netty/handler/ssl/JdkSslClientContext.java
* /opt/cola/permits/1026086822_1623174799.37/0/netty-handler-4-1-42-final-sources-4-jar/io/netty/handler/ssl/SupportedCipherSuiteFilter.java
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* /opt/cola/permits/1026086822_1623174799.37/0/netty-handler-4-1-42-final-sources-4-jar/io/netty/handler/ssl/CipherSuiteConverter.java

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https-proxy-agent

==========

### An HTTP(s) proxy `http.Agent` implementation for HTTPS

This module provides a `http.Agent` implementation that connects to a specified HTTP or HTTPS proxy server, and can be used with the built-in `https` module.

Specifically, this `Agent` implementation connects to an intermediary "proxy" server and issues the [CONNECT HTTP method][CONNECT], which tells the proxy to open a direct TCP connection to the destination server.

Since this agent implements the CONNECT HTTP method, it also works with other protocols that use this method when connecting over proxies (i.e. WebSockets). See the "Examples" section below for more.

Installation

--------

Install with `npm`

```
``` bash
$ npm install https-proxy-agent
```

Examples

--------

#### `https` module example

``` js
var url = require('url');
var https = require('https');
var HttpsProxyAgent = require('https-proxy-agent');

// HTTP/HTTPS proxy to connect to
var proxy = process.env.http_proxy || 'http://168.63.76.32:3128';
console.log('using proxy server %j', proxy);
```
```javascript
// HTTPS endpoint for the proxy to connect to
console.log('attempting to GET %j', endpoint);
var options = url.parse(endpoint);

// create an instance of the `HttpsProxyAgent` class with the proxy server information
var agent = new HttpsProxyAgent(proxy);
options.agent = agent;

https.get(options, function (res) {
    console.log('"response" event!', res.headers);
    res.pipe(process.stdout);
});
```

#### `ws` WebSocket connection example

```javascript
``` ```js
var url = require('url');
var WebSocket = require('ws');
var HttpsProxyAgent = require('https-proxy-agent');
// HTTP/HTTPS proxy to connect to
var proxy = process.env.http_proxy || 'http://168.63.76.32:3128';
console.log('using proxy server %j', proxy);

// WebSocket endpoint for the proxy to connect to
var endpoint = process.argv[2] || 'ws://echo.websocket.org';
var parsed = url.parse(endpoint);
console.log('attempting to connect to WebSocket %j', endpoint);

// create an instance of the `HttpsProxyAgent` class with the proxy server information
var options = url.parse(proxy);
var agent = new HttpsProxyAgent(options);

// finally, initiate the WebSocket connection
var socket = new WebSocket(endpoint, { agent: agent });

socket.on('open', function () {
    console.log('"open" event!');
    socket.send('hello world');
});

socket.on('message', function (data, flags) {
    console.log('"message" event! %j %j', data, flags);
    socket.close();
}```
### new HttpsProxyAgent(Object options)

The `HttpsProxyAgent` class implements an `http.Agent` subclass that connects to the specified "HTTP(s) proxy server" in order to proxy HTTPS and/or WebSocket requests. This is achieved by using the [HTTP `CONNECT` method][CONNECT].

The `options` argument may either be a string URI of the proxy server to use, or an "options" object with more specific properties:

- `host` - String - Proxy host to connect to (may use `hostname` as well). Required.
- `port` - Number - Proxy port to connect to. Required.
- `protocol` - String - If `https:`, then use TLS to connect to the proxy.
- `headers` - Object - Additional HTTP headers to be sent on the HTTP CONNECT method.
- Any other options given are passed to the `net.connect()`/`tls.connect()` functions.

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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
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produce the work, or an object code interpreter used to run it.

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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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**Esprima** ([esprima.org](http://esprima.org)) is a high performance, standard-compliant [ECMAScript](http://www.ecma-international.org/publications/standards/Ecma-262.htm) parser written in ECMAScript (also popularly known as [JavaScript](http://en.wikipedia.org/wiki/JavaScript)). Esprima is created and maintained by [Ariya Hidayat](http://twitter.com/ariyahidayat), with the help of [many contributors](https://github.com/ariya/esprima/contributors).

Esprima runs on web browsers (IE 6+, Firefox 1+, Safari 3+, Chrome 1+, Konqueror 4.6+, Opera 8+) as well as [Node.js](http://nodejs.org).

### Features

- Full support for [ECMAScript 5.1](http://www.ecma-international.org/publications/standards/Ecma-262.htm)(ECMA-262)(ECMA-262)
- Sensible [syntax tree format](http://esprima.org/doc/index.html#ast) compatible with Mozilla [Parser AST](https://developer.mozilla.org/en/SpiderMonkey/Parser_API)
- Heavily tested (> 550 [unit tests](http://esprima.org/test/) with solid 100% statement coverage)
- Optional tracking of syntax node location (index-based and line-column)
- Experimental support for ES6/Harmony (module, class, destructuring, ...)

Esprima is blazing fast (see the [benchmark suite](http://esprima.org/test/benchmarks.html)). It is up to 3x faster than UglifyJS v1 and it is still [competitive](http://esprima.org/test/compare.html) with the new generation of fast parsers.
### Applications

Esprima serves as the basis for many popular JavaScript development tools:

- Code coverage analysis: [node-cover](https://github.com/itay/node-cover), [Istanbul](https://github.com/yahoo/Istanbul)
- Documentation tool: [JFDoc](https://github.com/thejohnfreeman/jfdoc), [JSDuck](https://github.com/senchalabs/jsduck)
- Language extension: [LLJS](http://mbebenita.github.com/LLJS/) (low-level JS), [Sweet.js](http://sweetjs.org/) (macro)
- ES6/Harmony transpiler: [Six](https://github.com/matthewrobb/six), [Harmonizr](https://github.com/jdiamond/harmonizr)
- Eclipse Orion smart editing ([outline view](https://github.com/aclement/esprima-outline), [content assist](http://contraptionsforprogramming.blogspot.com/2012/02/better-javascript-content-assist-in.html))
- Source code modification: [Esmorph](https://github.com/ariya/esmorph), [Code Painter](https://github.com/fawek/codepainter)
- Source transformation: [node-falafel](https://github.com/substack/node-falafel), [Esmangle](https://github.com/Concellation/esmangle), [escodegen](https://github.com/Concellation/escodegen)

### Questions?

- [Documentation](http://esprima.org/doc)
- [Issue tracker](http://issues.esprima.org): [known problems](http://code.google.com/p/esprima/issues/list?q=Defect) and [future plans](http://code.google.com/p/esprima/issues/list?q=Enhancement)
- [Mailing list](http://groups.google.com/group/esprima)
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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
SHAREDLIBCPPPFLAGS = -DPIC

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

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

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

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

### Shared object suffix
SO = so
## Non-shared intermediate object suffix
STATIC_O = ao

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

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

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

## 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 =
1.905 xml-commons-resolver 1.2

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1.906 remove-trailing-separator 1.1.0

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1.907 commons-collections 3.2.2

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1.911 jackson-dataformat-yaml 2.9.8
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Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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    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.

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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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Eclipse

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

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

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

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html
* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

------
Oracle OpenJDK

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

* java.sun.security.ssl

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

------
OW2

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

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

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Apache

The following artifacts are ASL2 licensed.

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

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MortBay

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

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

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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    "io/ioutil"  
    "os"  
    "path/filepath"  
    "strings"
var sentinels = []string{
    "Copyright",
    "Google",
    "Licensed under the Apache License, Version 2.0 (the "License");",
}

func TestLicense(t *testing.T) { t.Parallel()
  err := filepath.Walk(".", func(path string, fi os.FileInfo, err error) error {
    if err != nil {
      return err
    }
    if ext := filepath.Ext(path); ext != ".go" && ext != ".proto" {
      return nil
    }
    if strings.HasSuffix(path, ".pb.go") {
      // .pb.go files are generated from the proto files.
      // .proto files must have license headers.
      return nil
    }
    if path == "bigtable/cmd/cbt/cbtdoc.go" {
      // Automatically generated.
      return nil
    }
    if path == "cmd/go-cloud-debug-agent/internal/debug/elf/elf.go" {
      // BSD license, which is compatible, is embedded in the file.
      return nil
    }
    src, err := ioutil.ReadFile(path)
    if err != nil {
      return nil
    }
    src = src[:300] // Ensure all of the sentinel values are at the top of the file.

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

    return nil
  })}
if err != nil {
    t.Fatal(err)
}

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#
# Names should be added to this file as:
#   Name <email address>
#
# Keep the list alphabetically sorted.

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Andreas Litt <andreas.litt@gmail.com>
Andrew Gerrand <adg@golang.org>
Brad Fitzpatrick <bradfitz@golang.org>
Burcu Dogan <jbd@google.com>
Dave Day <djd@golang.org>
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1.925 vega-event-selector 2.0.0

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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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* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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1987 James A. Woods ames!jaw
1993 Christopher Seiwald seiwald@vix.com
2000, 2002 Christopher Seiwald <seiwald@perforce.com>
2010 Steve Bennett <steveb@workware.net.au>
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1.930 util-linux 2.36.1-7

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NR   START   END   SECTORS   SIZE   NAME   UUID
1    32       7679  7648     3.7M    8f8378c0-01
2    7680    16383  8704     4.3M    8f8378c0-02
5    7936    12799  4864     2.4M
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### Go standard library and http2
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/DescendingMultiset.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/ForwardingImmutableMap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/LongAddables.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/Deserializers.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/Collections.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/access/ByteAccessors.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/access/CharAccessors.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/access/IntAccessors.java
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/*
 * This method was rewritten in Java from an intermediate step of the Murmur hash function in
 * http://code.google.com/p/smhasher/source/browse/trunk/MurmurHash3.cpp, which contained the
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/ForwardingTable.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/ImmutableClassToInstanceMap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/ComparisonChain.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/ImmutableEnumSet.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/SingletonImmutableSet.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/AbstractListMultimap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/HashMultimap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/eventbus/AllowConcurrentEvents.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/ExplicitOrdering.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/ListMultimap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/BiMap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/eventbus/EventSubscriber.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/eventbus/DeadEvent.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/LinkedHashSet.java
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jar/com/google/common/collect/TreeMultimap.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/io/LineBuffer.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/ForwardingSet.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/NaturalOrdering.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/AbstractMapBasedMultimap.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/AbstractMapEntry.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/base/FinalizableReference.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/ForwardingObject.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/base/Objects java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/base/FinalizablePhantomReference.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/eventbus/SubscriberFindingStrategy.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/base/FinalizableWeakReference.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/Multimap.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/ArrayListMultimap.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5.jar/com/google/common/collect/ForwardingSortedMultiset.java
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  jar/com/google/common/primitives/UnsignedLongs.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
  jar/com/google/common/primitives/Bytes.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
  jar/com/google/common/base/Stopwatch.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
  jar/com/google/common/escape/Escaper.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
  jar/com/google/common/collect/UnmodifiableIterator.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
  jar/com/google/common/primitives/Chars.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
  jar/com/google/common/io/FileBackedOutputStream.java

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jar/com/google/thirdparty/publicsuffix/PublicSuffixPatterns.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/collection/SingletonImmutableBiMap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/base/Joiner.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/collection/ImmutableEntry.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/collection/ImmutableMultiset.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/collection/RegularImmutableBiMap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/collection/Table.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/collection/Collections2.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/net/InetAddresses.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/collection/Platform.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/collection/ImmutableMultimap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/collection/Tables.java

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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5.jar/com/google/common/collect/AbstractTable.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5.jar/com/google/common/base/Utf8.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5.jar/com/google/common/collect/FilteredMultimapValues.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/hash/Murmur3_32HashFunction.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/hash/AbstractHashing.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/hash/AbstractHasher.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/hash/Funnel.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/hash/BloomFilter.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/TreeRangeSet.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/Queues.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/RegularContiguousSet.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/EmptyImmutableSortedMultiset.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/TreeRangeSet.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/Queues.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/RegularContiguousSet.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/AbstractSortedMultiset.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/TreeRangeSet.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/Queues.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/Queues.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/RegularContiguousSet.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/AbstractSortedMultiset.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/Queues.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/RegularContiguousSet.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/TreeRangeSet.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/Queues.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/RegularContiguousSet.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/AbstractSortedMultiset.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/TreeRangeSet.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/Queues.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/TreeRangeSet.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/Queues.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/RegularContiguousSet.java
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jar/com/google/common/collect/MapMakerInternalMap.java

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jar/com/google/common/collect/DenseImmutableTable.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/collect/MapMaker.java
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jar/com/google/common/collect/Cut.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/collect/SparseImmutableTable.java
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*
* As of 2010/06/11, this method is identical to the (package private) hash
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/CartesianList.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/ImmutableRangeSet.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/FilteredKeyMultimap.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
  jar/com/google/common/util/concurrent/SimpleTimeLimiter.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
  jar/com/google/common/util/concurrent/FakeTimeLimiter.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
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  jar/com/google/common/primitives/AndroidInteger.java
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  jar/com/google/common/base/Preconditions.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
  jar/com/google/common/collect/HashBiMap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
  jar/com/google/common/collect/Interners.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/ContiguousSet.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/SortedLists.java

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1.950 go-playground-validator v9.28.0

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1.951 go-uber-org-multierr v1.6.0

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1.952 redis-commands 1.7.0

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1.953 d3-color 1.0.3

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1.954 is-glob 4.0.0

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# Jackson JSON processor

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

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Jackson is a high-performance, Free/Open Source JSON processing library.
It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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It is currently developed by a community of developers, as well as supported
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Janino - An embedded Java[TM] compiler

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# Jackson JSON processor

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

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

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1.961 @babel/plugin-transform-block-scoping

7.3.4

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1.962 shebang-command 1.2.0

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1.963 supercluster 5.0.0

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1.964 jcodings 1.0.43

1.965 cyrus-sasl 2.1.27~101-g0780600+dfsg 3

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1.967 d3-scale 1.0.6

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1.968 lksctp-tools 1.0.18-r1

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1.969 promise-retry 2.0.1

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1.970 x-text v0.3.6

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1.971 jersey-media-jaxb 2.28

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1.980 @babel/helper-split-export-declaration
7.12.13

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1.981 minimatch 3.0.4

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1.982 libxau 1.0.9-r0

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# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=6
pkgdesc="A library for high-performance 2D graphics"
url="https://www.levien.com/libart/"
arch="all"
options="!check"  # No test suite.
license="LGPL-2.0-or-later"
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2"

builddir="$srcdir/libart_lgpl-$pkgver"

prepare() {
    update_config_sub
default_prepare
}

build() {
    ./configure \n    --build=$CBUILD \n    --host=$CHOST \n
Package: py3-flake8-copyright

 Options:

 No testsuite

 Arch: noarch

 License: MIT

 Depends on:

 py3-flake8, py3-setuptools

 Source:

 https://files.pythonhosted.org/packages/source/$(_pkgname:0:1)/$_pkgname/$_pkgname-$pkgver.tar.gz

 Build directory:

 $srcdir/$_pkgname-$pkgver

 Replaces:

 py-flake8-copyright

 Provides:

 py-flake8-copyright=$pkgver-r$pkgrel

 Build:

 python3 setup.py build

 Package:

 python3 setup.py install --prefix=/usr --root="$pkgdir"

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# Contributor: Valery Kartel <valery.kartel@gmail.com>
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pkgname=perl-bsd-resource
Open Source Used In MSX Platform Infrastructure 4.1.0  6202

pkgreal=BSD-Resource
pkgver=1.2911
pkgrel=4
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource"
arch="all"
license="GPL-1.0-or-later OR Artistic-1.0-Perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/$_pkgreal-$pkgver.tar.gz"
builddir="$srcdir/$pkgreal-$pkgver"

prepare() {
default_prepare

export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}

build() {
export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
make
}

check() {
make test
}

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

sha512sums="d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16
dfa5417f663b8065baa65f4eea16dc9262728b3b6b85  BSD-Resource-1.2911.tar.gz"

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pkgname=spdx-licenses
pkgver=3.8
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="$pkgname"
mkdir -p "$subpkgdir"/usr/share/spdx
cp -r "$builddir"/$type "$subpkgdir"/$type "$subpkgdir"/usr/share/spdx/
}

list() {
pkgdesc="$pkgdesc (licence list)"
mkdir -p "$subpkgdir"/usr/share/spdx
local i; for i in $builddir/text/*.txt; do
dlocal license=${i#*/}
echo ${license%.*} >> "$subpkgdir"/usr/share/spdx/license.lst
done
}
sha512sums='0950540df050fb7f7ce92f5ad1bf756725e233d701f0c5b2fc5bfa85dae65bba3400de7fd78b4b1d8a41deab4e461a5f1018f4869d9f3e0428a5a64c32c01c60' license-list-data-3.8.tar.gz

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1.983 forwarded 0.2.0

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1.987 logsave 1.46.2-2
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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>.

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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::$(BSDLIB_LIB)

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

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

install-strip: install

install-shlibs-strip:: install-shlibs

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

clean::
$(RM) -rf pic
$(RM) -f $(BSDLIB_LIB)
$(RM) -f ../$(BSD_LIB)
This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

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

- trivial database library - private includes
-
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Theodore Ts'o
23-June-2007

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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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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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Gadi Oxman, August 1995

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1.994 turf-planepoint 3.0.12

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1.997 cockroachdb-logtags v0.0.0-20190617123548-eb05cc24525f

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import: ../../../../fossene/db/schema/thing.yml

fields:
  site: string
  author: root

1.999 curl 7.29.0-59.el7_9.1

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1.1001 openjdk-jre 11.0.12+7-2

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Description: Makes the generated copyright headers reproducible
Author: Emmanuel Bourg <ebourg@apache.org>
Forwarded: no
---
-  a/make/jdk/src/classes/build/tools/cldrconverter/CopyrightHeaders.java
+++ b/make/jdk/src/classes/build/tools/cldrconverter/CopyrightHeaders.java
@@ -26,6 +26,7 @@
    package build.tools.cldrconverter;

    import java.util.Calendar;
    +import java.util.Date;
    import java.util.GregorianCalendar;
    import java.util.Locale;
    import java.util.TimeZone;
@@ -150,8 +151,14 @@
    }

    private static int getYear() {
-       return new GregorianCalendar(TimeZone.getTimeZone("America/Los_Angeles"),
-                                      Locale.US).get(Calendar.YEAR);
+       Date date = new Date();
+       if (System.getenv("SOURCE_DATE_EPOCH") != null) {
+           date = new Date(1000 * Long.valueOf(System.getenv("SOURCE_DATE_EPOCH")));
+       }
+       
+       GregorianCalendar calendar = new GregorianCalendar(TimeZone.getTimeZone("UTC"), Locale.ENGLISH);
+       calendar.setTime(date);
+       return calendar.get(Calendar.YEAR);
    }

    // no instantiation
---
-  a/make/jdk/src/classes/build/tools/generatelsrequivmaps/EquivMapsGenerator.java
+++ b/make/jdk/src/classes/build/tools/generatelsrequivmaps/EquivMapsGenerator.java
@@ -34,9 +34,13 @@
    import java.time.ZoneId;
    import java.time.ZonedDateTime;
    import java.util.ArrayList;
    import java.util.Arrays;
-   +import java.util.Calendar;
-   +import java.util.Date;
-   +import java.util.GregorianCalendar;
    import java.util.List;
    import java.util.Locale;
    import java.util.Map;
    +import java.util.TimeZone;
    import java.util.TreeMap;

import java.util.stream.Collectors;

/**
 * public class EquivMapsGenerator {
 * 
 *  private static String getOpenJDKCopyright() {
 *     int year = ZonedDateTime.now(ZoneId.of("America/Los_Angeles")).getYear();
 *     Date date = new Date();
 *     if (System.getenv("SOURCE_DATE_EPOCH") != null) {
 *         date = new Date(1000 * Long.valueOf(System.getenv("SOURCE_DATE_EPOCH")));
 *     }
 *     GregorianCalendar calendar = new GregorianCalendar(TimeZone.getTimeZone("UTC"), Locale.ENGLISH);
 *     calendar.setTime(date);
 *     int year = calendar.get(Calendar.YEAR);
 *     return String.format(Locale.US, COPYRIGHT, year);
 *  }
 * 
 *  This package was debianized by Matthias Klose <doko@ubuntu.com> on Wed, 08 Aug 2007 15:55:39 +0200.
 *  It was downloaded from https://hg.openjdk.java.net/jdk-updates/jdk11u/
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1.1003 pluralize 3.1.0

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1.1004 chownr 1.1.1

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1.1005 logstash-output-cloudwatch 3.0.8

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1.1008 normalize-path 3.0.0

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1.1009 text-table 0.2.0-2

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```
# select
```

Programmatically select the text of a HTML element.

### Install

You can get it on npm.

```bash
npm install select --save
```

Or bower, too.

```bash
bower install select --save
```

If you're not into package management, just [download a ZIP](https://github.com/zenorocha/select/archive/master.zip) file.

### Usage

#### Standalone

```html
<script src="dist/select.js"></script>
```

```js
var input = document.querySelector('input');
var result = select(input);
```
## Browserify

```js
var select = require('select');
```

```js
var input = document.querySelector('input');
var result = select(input);
```

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* /opt/cola/permits/1001070912_1611876972.24/0/spring-beans-5-1-6-release-sources-
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1.1040 @elastic/vega-expression 2.4.0-kibana

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1.1041 flynn-go-shlex v0.0.0-20150515145356-3f9db97f8568

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1.1042 parse-entities 1.1.1

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import: ../../../../fossene/db/schema/thing.yml

fields:
  site: string
  author: root

1.1046 libpython3.9-stdlib 3.9.2-1
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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

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

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, 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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1.1049 osenv 0.1.5

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1.1065 lodash.isequal 4.5.0

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lib/csharp/src/Protocol/TSet.cs
lib/csharp/src/Protocol/TStruct.cs
lib/csharp/src/Protocol/TTType.cs
lib/csharp/src/Server/TServer.cs
lib/csharp/src/Server/TSimpleServer.cs
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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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Test 19-4 - DRS Disabled License Features

# Purpose:
To verify that vic-machine create checks for the DRS setting and command flags specific to resource pools in a
vSphere environment without DRS, such as a ROBO deployment. If a VCH is being installed in a DRS-disabled
environment, vic-machine create should warn that DRS is disabled and mention that any resource pool options
supplied in the command will be ignored as they are not applicable in this environment.

# References:
2. [Provide License and Feature Check](https://github.com/vmware/vic/issues/7277)
3. [vic-machine to provide license and feature check](https://github.com/vmware/vic/issues/7275)

# Environment:
This test requires access to VMware Nimbus cluster for dynamic ESXi and vCenter creation. This test should be
executed in a vCenter environment with a cluster that has DRS turned off.

See [https://confluence.eng.vmware.com/display/CNA/VIC+ROBO](https://confluence.eng.vmware.com/display/CNA/VIC+ROBO) for more details.

# Test Steps:
1. Deploy a vCenter testbed with DRS disabled
2. Using vic-machine create, install a VCH with compute resource set to the cluster where DRS is off. Also supply
   options that are specific to resource pools: cpu, cpu-shares, cpu-reservation, memory, memory-shares and memory-
reservation.
3. Delete the VCH

# Expected Outcome:
* All test steps should complete without error
* Step 2's output should contain a message stating that DRS is disabled and that the provided resource pool options will be ignored.

# Possible Problems:
None

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*/

package license
import (  
  "context"
  "flag"
  "fmt"
  
  "github.com/vmware/govmomi/govc/cli"
  "github.com/vmware/govmomi/govc/flags"
  "github.com/vmware/govmomi/license"
  "github.com/vmware/govmomi/vim25/types"
)

type add struct {
  *flags.ClientFlag
  *flags.OutputFlag
}

func init() {
  cli.Register("license.add", &add{ })
}

func (cmd *add) Register(ctx context.Context, f *flag.FlagSet) {
  cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
  cmd.ClientFlag.Register(ctx, f)

  cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
  cmd.OutputFlag.Register(ctx, f)
}

func (cmd *add) Process(ctx context.Context) error {
  if err := cmd.ClientFlag.Process(ctx); err != nil {
    return err
  }

  if err := cmd.OutputFlag.Process(ctx); err != nil {
    return err
  }

  return nil
}

func (cmd *add) Usage() string {
  return "KEY..."
}

func (cmd *add) Run(ctx context.Context, f *flag.FlagSet) error {
  client, err := cmd.Client()
  if err != nil {
    return err
  }


m := license.NewManager(client)

// From the vSphere 5.5 documentation:
//
// To specify the edition type and any optional functions, use
// updateLicense for ESX Server and addLicense follow by
// LicenseAssignmentManager.updateAssignedLicense for VirtualCenter.
//
// var addFunc func(ctx context.Context, key string, labels map[string]string) (types.LicenseManagerLicenseInfo, error)
switch t := client.ServiceContent.About.ApiType; t {
    case "HostAgent":
        addFunc = m.Update
    case "VirtualCenter":
        addFunc = m.Add
    default:
        return fmt.Errorf("unsupported ApiType: %s", t)
}

result := make(licenseOutput, 0)
for _, v := range f.Args() {
    license, err := addFunc(ctx, v, nil)
    if err != nil {
        return err
    }
    result = append(result, license)
}
return cmd.WriteResult(licenseOutput(result))

package gobrake

import (
    "fmt"
    "net/http"
)

type Error struct {
    Type      string `json:"type"`
    Message   string `json:"message"`
    Backtrace []StackTrace `json:"backtrace"`
}

type Notice struct {
    Errors  []Error     `json:"errors"`
    Context map[string]interface{} `json:"context"`
func NewNotice(e interface{}, req *http.Request, depth int) *Notice {
    notice := &Notice{
        Errors: []Error{
            {
                Type: fmt.Sprintf("%T", e),
                Message: fmt.Sprint(e),
                Backtrace: stack,
                },
        },
        Context: map[string]interface{}{
            "notifier": map[string]interface{}{
                "name": "gobrake",
                "version": "2.0.3",
                "url": "https://github.com/airbrake/gobrake",
            },
        },
        Env:     map[string]interface{}{},
        Session: map[string]interface{}{},
        Params:  map[string]interface{}{},
    }
    notice.Context["url"] = req.URL.String()
    if ua := req.Header.Get("User-Agent"); ua != "" {
        notice.Context["userAgent"] = ua
    }
    for k, v := range req.Header {
        if len(v) == 1 {
            notice.Env[k] = v[0]
        } else {
            notice.Env[k] = v
        }
    }
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package license

import (  "context"  "flag"  
"github.com/vmware/govmomi/govc/cli"  "github.com/vmware/govmomi/govc/flags"  "github.com/vmware/govmomi/license"
type remove struct {
    *flags.ClientFlag
    *flags.OutputFlag
}

func init() {
    cli.Register("license.remove", &remove{ })
}

func (cmd *remove) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)

    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)
}

func (cmd *remove) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }

    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }

    return nil
}

func (cmd *remove) Usage() string {
    return "KEY..."
}

func (cmd *remove) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }

    m := license.NewManager(client)
    for _, v := range f.Args() {
        err = m.Remove(ctx, v)
        if err != nil {
            return err
        }
    }

    return nil
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} 
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*/

package license

import (  
"context"
type assign struct {
    *flags.ClientFlag
    *flags.OutputFlag
    *flags.HostSystemFlag
    *flags.ClusterFlag

    name   string
    remove bool
}

func init() {
    cli.Register("license.assign", &assign{ })
}

func (cmd *assign) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)

    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)

    cmd.HostSystemFlag, ctx = flags.NewHostSystemFlag(ctx)
    cmd.HostSystemFlag.Register(ctx, f)

    cmd.ClusterFlag, ctx = flags.NewClusterFlag(ctx)
    cmd.ClusterFlag.Register(ctx, f)

    f.StringVar(&cmd.name, "name", "", "Display name")
    f.BoolVar(&cmd.remove, "remove", false, "Remove assignment")
}

func (cmd *assign) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }

    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }

    if err := cmd.HostSystemFlag.Process(ctx); err != nil {
        return err
    }

    return err
}
func (cmd *assign) Usage() string {
    return "KEY"
}

func (cmd *assign) Description() string {
    return `Assign licenses to HOST or CLUSTER.

Examples:
govc license.assign $VCSA_LICENSE_KEY
govc license.assign -host a_host.example.com $ESX_LICENSE_KEY
govc license.assign -cluster a_cluster $VSAN_LICENSE_KEY`
}

func (cmd *assign) Run(ctx context.Context, f *flag.FlagSet) error {
    if f.NArg() != 1 {
        return flag.ErrHelp
    }
    key := f.Arg(0)

    client, err := cmd.Client()
    if err != nil {
        return err
    }

    m, err := license.NewManager(client).AssignmentManager(ctx)
    if err != nil {
        return err
    }

    host, err := cmd.HostSystemIfSpecified()
    if err != nil {
        return err
    }

    var id string

    if host == nil {
        cluster, cerr := cmd.ClusterIfSpecified()
        if cerr != nil {
            return cerr
        }
        if cluster == nil {
            // Default to vCenter UUID
            return cmd.ClusterFlag.Process(ctx)
        }
    
    return cmd.ClusterFlag.Process(ctx)
}

func (cmd *assign) Usage() string {
    return "KEY"
}

func (cmd *assign) Description() string {
    return `Assign licenses to HOST or CLUSTER.

Examples:
govc license.assign $VCSA_LICENSE_KEY
govc license.assign -host a_host.example.com $ESX_LICENSE_KEY
govc license.assign -cluster a_cluster $VSAN_LICENSE_KEY`
}

func (cmd *assign) Run(ctx context.Context, f *flag.FlagSet) error {
    if f.NArg() != 1 {
        return flag.ErrHelp
    }
    key := f.Arg(0)

    client, err := cmd.Client()
    if err != nil {
        return err
    }

    m, err := license.NewManager(client).AssignmentManager(ctx)
    if err != nil {
        return err
    }

    host, err := cmd.HostSystemIfSpecified()
    if err != nil {
        return err
    }

    var id string

    if host == nil {
        cluster, cerr := cmd.ClusterIfSpecified()
        if cerr != nil {
            return cerr
        }
        if cluster == nil {
            // Default to vCenter UUID
            return cmd.ClusterFlag.Process(ctx)
        }
    
    return cmd.ClusterFlag.Process(ctx)
id = client.ServiceContent.About.InstanceUuid
} else {
    id = cluster.Reference().Value
}
} else {
    id = host.Reference().Value
}

if cmd.remove {
    return m.Remove(ctx, id)
}

info, err := m.Update(ctx, id, key, cmd.name)
if err != nil {
    return err
}

return cmd.WriteResult(licenseOutput([]types.LicenseManagerLicenseInfo{*info}))

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package 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,omiteny"`
    Path *string `json:"path,omiteny"`
    SHA   *string `json:"sha,omiteny"`
    Size  *int `json:"size,omiteny"`
    URL   *string `json:"url,omiteny"`
    HTMLURL  *string `json:"html_url,omiteny"`
    GitURL    *string `json:"git_url,omiteny"`
    DownloadURL *string `json:"download_url,omiteny"`
    Type       *string `json:"type,omiteny"`
    Content    *string `json:"content,omiteny"`
    Encoding   *string `json:"encoding,omiteny"`
    License    *License `json:"license,omiteny"
}

func (l RepositoryLicense) String() string {

// 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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>>> go-openapi_spec-e072eb2390d3a03736a6eb617d30f48369160447
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>>> vishvananda_netns-604eaf189ee867d8c147fafa2bdef3e878d25
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>>> glibc-2.26-13.ph2
>>> hawkey-2017.1-6.ph2
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>>> libgpg-error-1.27-1.ph2
>>> systemd-233-18.ph2

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>>> ca-certificates-20180919-1.ph2
>>> nspr-4.15-1.ph2
>>> nss-3.31.1-1.ph2

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

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spec-e072eb2390d3a03736a6eb617d30f48369160447/fixtures/expansion/invalid-refs.json

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yaml-4c78c975fe7c825c6d1466c42be594d1d6f3aba6.tar.gz

directory structure:
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>>> cpuguy83_go-md2man_md2man-a65d4d2de4d5f7c74868dfa9b202a3c8be315aaa

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>>> deckarep_golang-set-1f0f4ff8d3fbef9328522993ce71c35890f67554

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>>> dustin_go-humanize-259d2a102b871d17f30e3cd9881a642961a1e486

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>>> gemnasium_logrus-airbrake-hook_v2-31e6fd4bd5a98d8ee7673d24bc54ec73c31810dd

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>>> gizak_termui-798ff89cbbe4073ef1f88e6069ca4a2e6aa6676b

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>>> godbus_dbus-230e4b23db2fd81c53eaaa073f76b59d4849ce51

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>>> gogo_protobuf_gogoproto-6a92c871a8f53333cf106b2cdf937567208dbb2b7

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tomb - support for clean goroutine termination in Go.

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See http://libtom.org/?page=features&newsitems=5&whatfile=crypt. 
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It was heavily inspired by the go blowfish package.

>>> x_crypto_nacl_secretbox-728b753d0135da6801d45a38e6f43ff55779c5c2

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+build appengine

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It is designed to run only on the instance of godoc that serves golang.org.

package short

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lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
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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
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
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- lib/krb5/error_tables/kdb5_err.et
- slave/kpropd_rpc.c
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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>
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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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chkconfig:   2345 11 89
description: sets up CBQ-based traffic control

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IPv6 Hop Limit Target module
Maciej Soltysiak <solt@dns.toxicfilms.tv>
Based on HW's ttl target
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Reasonably optimised generic C-code for memcpy on Microblaze
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This code offers a very basic support for this EISA bus present in the SGI Indigo-2. It currently only supports PIO (forget about DMA for the time being). This is enough for a low-end ethernet card, but forget about your favorite SCSI card...

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line - read one line


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uuidparse.c --- Interpret uuid encoded information. This program violates the UUID abstraction barrier by reaching into the guts of a UUID.

Based on libuuid/src/uuid_time.c
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From Simon Josefsson
-- derivated from coreutils m4/warnings.m4

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setpwnam.c -- edit an entry in a password database.

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Edited 11/10/96 (DD/MM/YY ;-) by Nicolai Langfeldt (janl@math.uio.no) to read /etc/passwd directly so that passwd, chsh and chfn can work on machines that run NIS (previously YP). Changes will not be made to usernames starting with +.

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Usage:
1) get a struct passwd from getpwnam().
   You should assume a struct passwd has an infinite number of fields, so
   you should not try to create one from scratch.
2) edit the fields you want to edit.
3) call setpwnam() with the edited struct passwd.

A _normal user_ program should never directly manipulate etc/passwd but
/use getpwnam() and (family, as well as) setpwnam().

But, setpwnam was made to _edit_ the password file. For use by chfn,
chsh and passwd. _I_ _HAVE_ to read and write /etc/passwd directly. Let
those who say nay be forever silent and think about how getpwnam (and
family) works on a machine running YP.

Added checks for failure of malloc() and removed error reporting to
stderr, this is a library function and should not print on the screen,
but return appropriate error codes.
27-Jan-97  - poe@daimi.aau.dk

Thanks to "two guys named Ian".

$Author: poer $
$Revision: 1.13 $
$Date: 1997/06/23 08:26:29 $

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2.32\libmount\python\pylibmount.c

Python bindings for the libmount library.
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Written by Ondrej Oprala and Karel Zak

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Bison implementation for Yacc-like parsers in C


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error.c -- Functions for handling errors.

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A Bison parser, made by GNU Bison 3.0.4.

Bison interface for Yacc-like parsers in C


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(Mostly) portable public-domain implementation -- D A Gwyn

This implementation of the PWB library alloca function, which is used to allocate space off the run-time stack so that it is automatically reclaimed upon procedure exit, was inspired by discussions with J. Q. Johnson of Cornell. J.Otto Tennant <jot@cray.com> contributed the Cray support.

There are some preprocessor constants that can be defined when compiling for your specific system, for improved efficiency; however, the defaults should be okay.
The general concept of this implementation is to keep track of all alloca-allocated blocks, and reclaim any that are found to be deeper in the stack than the current invocation. This heuristic does not reclaim storage as soon as it becomes invalid, but it will do so eventually.

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alloca.c -- allocate automatically reclaimed memory
(Mostly) portable public-domain implementation -- D A Gwyn

This implementation of the PWB library alloca function, which is used to allocate space off the run-time stack so that it is automatically reclaimed upon procedure exit, was inspired by discussions with J. Q. Johnson of Cornell. J.Otto Tennant <jot@cray.com> contributed the Cray support.

There are some preprocessor constants that can be defined when compiling for your specific system, for improved efficiency; however, the defaults should be okay.

The general concept of this implementation is to keep track of all alloca-allocated blocks, and reclaim any that are found to be deeper in the stack than the current invocation. This heuristic does not reclaim storage as soon as it becomes invalid, but it will do so eventually.

As a special case, alloca(0) reclaims storage without allocating any. It is a good idea to use alloca(0) in your main control loop, etc. to force garbage collection.

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Heavily modified for GnuPG by Werner Koch

/

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Based on NIST Recommended DRBG from NIST SP800-90A with the following
properties:
CTR DRBG with DF with AES-128, AES-192, AES-256 cores
Hash DRBG with DF with SHA-1, SHA-256, SHA-384, SHA-512 cores
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with and without prediction resistance

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

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

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

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

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c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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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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Version 3, 29 June 2007

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Version 1.1 - 26 February 2007
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The Work has the status `author-maintained' if the Copyright Holder explicitly and prominently states near the primary copyright notice in the Work that the Work can only be maintained by the Copyright Holder or simply that it is `author-maintained'.

The Work has the status `maintained' if there is a Current Maintainer who has indicated in the Work that they are willing to receive error reports for the Work (for example, by supplying a valid e-mail address). It is not required for the Current Maintainer to acknowledge or act upon these error reports.

The Work changes from status `maintained' to `unmaintained' if there is no Current Maintainer, or the person stated to be Current Maintainer of the work cannot be reached through the indicated means of communication for a period of six months, and there are no other significant signs of active maintenance.

You can become the Current Maintainer of the Work by agreement with any existing Current Maintainer to take over this role.

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1. Make a reasonable attempt to trace the Current Maintainer (and the Copyright Holder, if the two differ) through the means of an Internet or similar search.

2. If this search is successful, then enquire whether the Work is still maintained.
   a. If it is being maintained, then ask the Current Maintainer to update their communication data within one month.
   b. If the search is unsuccessful or no action to resume active maintenance is taken by the Current Maintainer, then announce within the pertinent community your intention to take over maintenance. (If the Work is a LaTeX work, this could be done, for example, by posting to comp.text.tex.)

3a. If the Current Maintainer is reachable and agrees to pass maintenance of the Work to you, then this takes effect immediately upon announcement.
   b. If the Current Maintainer is not reachable and the Copyright Holder agrees that maintenance of the Work be passed to you, then this takes effect immediately upon announcement.

4. If you make an `intention announcement' as described in 2b. above and after three months your intention is challenged neither by the Current Maintainer nor by the Copyright Holder nor by other people, then you may arrange for the Work to be changed so as to name you as the (new) Current Maintainer.

5. If the previously unreachable Current Maintainer becomes reachable once more within three months of a change completed under the terms of 3b) or 4), then that Current Maintainer must become or remain the Current Maintainer upon request provided they then update their communication data within one month.

A change in the Current Maintainer does not, of itself, alter the fact that the Work is distributed under the LPPL license.

If you become the Current Maintainer of the Work, you should immediately provide, within the Work, a prominent and unambiguous statement of your status as Current Maintainer. You should also announce your new status to the same pertinent community as in 2b) above.

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A Recommendation on Modification Without Distribution
-----------------------------------------------------

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Many works provide ways to control the behavior of that work without altering any of its licensed components.

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

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Here is an example of such a notice and statement:

```
pig.dtx
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This work has the LPPL maintenance status "maintained".

The Current Maintainer of this work is M. Y. Name.

This work consists of the files pig.dtx and pig.ins and the derived file pig.sty.

Given such a notice and statement in a file, the conditions given in this license document would apply, with the 'Work' referring to the three files `pig.dtx', `pig.ins', and `pig.sty' (the last being generated from `pig.dtx' using `pig.ins'), the 'Base Interpreter' referring to any 'LaTeX-Format', and both 'Copyright Holder' and 'Current Maintainer' referring to the person 'M. Y. Name'.

If you do not want the Maintenance section of LPPL to apply to your Work, change 'maintained' above into 'author-maintained'. However, we recommend that you use 'maintained', as the Maintenance section was added in order to ensure that your Work remains useful to the community even when you can no longer maintain and support it yourself.

Derived Works That Are Not Replacements
---------------------------------------

Several clauses of the LPPL specify means to provide reliability and stability for the user community. They therefore concern themselves with the case that a Derived Work is intended to be used as a (compatible or
incompatible) replacement of the original Work. If this is not the case (e.g., if a few lines of code are reused for a completely different task), then clauses 6b and 6d shall not apply.

Important Recommendations
-------------------------
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*/

package license

import (  
    "context"
    "flag"

    "github.com/vmware/govmomi/govc/cli"
    "github.com/vmware/govmomi/govc/flags"
    "github.com/vmware/govmomi/license"
var featureUsage = "List licenses with given feature"

type ls struct {
    *flags.ClientFlag
    *flags.OutputFlag

    feature string
}

func init() {
    cli.Register("license.ls", &ls{}))
}

func (cmd *ls) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)

    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)

    f.StringVar(&cmd.feature, "feature", ",", featureUsage)
}

func (cmd *ls) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }

    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }

    return nil
}

func (cmd *ls) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }

    m := license.NewManager(client)
    result, err := m.List(ctx)
    if err != nil {
        return err
    }

    if cmd.feature != "" {
result = result.WithFeature(cmd.feature)
}

return cmd.WriteResult(licenseOutput(result))
}

---

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 */

package license

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    "context"  
    "strconv"  
    "strings"

    "github.com/vmware/govmomi/object"  
    "github.com/vmware/govmomi/vim25"  
    "github.com/vmware/govmomi/vim25/methods"  
    "github.com/vmware/govmomi/vim25/mo"  
    "github.com/vmware/govmomi/vim25/types"
type Manager struct {
    object.Common
}

func NewManager(c *vim25.Client) *Manager {
    m := Manager{
        object.NewCommon(c, *c.ServiceContent.LicenseManager),
    }
    return &m
}

func mapToKeyValueSlice(m map[string]string) []types.KeyValue {
    var r []types.KeyValue
    for k, v := range m {
        r = append(r, types.KeyValue{Key: k, Value: v})
    }
    return r
}

func (m Manager) Add(ctx context.Context, key string, labels map[string]string) (types.LicenseManagerLicenseInfo, error) {
    req := types.AddLicense{
        This:       m.Reference(),
        LicenseKey: key,
        Labels:     mapToKeyValueSlice(labels),
    }
    res, err := methods.AddLicense(ctx, m.Client(), &req)
    if err != nil {
        return types.LicenseManagerLicenseInfo{}, err
    }
    return res.Returnval, nil
}

func (m Manager) Decode(ctx context.Context, key string) (types.LicenseManagerLicenseInfo, error) {
    req := types.DecodeLicense{
        This:       m.Reference(),
        LicenseKey: key,
    }
    res, err := methods.DecodeLicense(ctx, m.Client(), &req)
    if err != nil {
        return types.LicenseManagerLicenseInfo{}, err
    }
    return res.Returnval, nil
}
return res.Returnval, nil
}

func (m Manager) Remove(ctx context.Context, key string) error {
    req := types.RemoveLicense{
        This:       m.Reference(),
        LicenseKey: key,
    }

    _, err := methods.RemoveLicense(ctx, m.Client(), &req)
    return err
}

func (m Manager) Update(ctx context.Context, key string, labels map[string]string) (types.LicenseManagerLicenseInfo, error) {
    req := types.UpdateLicense{
        This:       m.Reference(),
        LicenseKey: key,
        Labels:     mapToKeyValueSlice(labels),
    }

    res, err := methods.UpdateLicense(ctx, m.Client(), &req)
    if err != nil {
        return types.LicenseManagerLicenseInfo{}, err
    }

    return res.Returnval, nil
}

func (m Manager) List(ctx context.Context) (InfoList, error) {
    var mlm mo.LicenseManager

    err := m.Properties(ctx, m.Reference(), []string{"licenses"}, &mlm)
    if err != nil {
        return nil, err
    }

    return InfoList(mlm.Licenses), nil
}

func (m Manager) AssignmentManager(ctx context.Context) (*AssignmentManager, error) {
    var mlm mo.LicenseManager

    err := m.Properties(ctx, m.Reference(), []string{"licenseAssignmentManager"}, &mlm)
    if err != nil {
        return nil, err
    }

    return nil, err
}
if mlm.LicenseAssignmentManager == nil {
    return nil, object.ErrNotSupported
}

am := AssignmentManager{
    object.NewCommon(m.Client(), *mlm.LicenseAssignmentManager),
}

return &am, nil
}

type licenseFeature struct {
    name  string
    level int
}

func parseLicenseFeature(feature string) *licenseFeature {
    lf := new(licenseFeature)
    f := strings.Split(feature, ":")
    lf.name = f[0]
    if len(f) > 1 {
        var err error
        lf.level, err = strconv.Atoi(f[1])
        if err != nil {
            lf.name = feature
        }
    }
    return lf
}

func HasFeature(license types.LicenseManagerLicenseInfo, key string) bool {
    feature := parseLicenseFeature(key)
    for _, p := range license.Properties {
        if p.Key != "feature" {
            continue
        }
        kv, ok := p.Value.(types.KeyValue)
        if !ok {
            continue
        }
lf := parseLicenseFeature(kv.Key)

if lf.name == feature.name && lf.level >= feature.level {
    return true
}

return false

// InfoList provides helper methods for []types.LicenseManagerLicenseInfo
type InfoList []types.LicenseManagerLicenseInfo

func (l InfoList) WithFeature(key string) InfoList {
    var result InfoList
    for _, license := range l {
        if HasFeature(license, key) {
            result = append(result, license)
        }
    }
    return result
}

Gocheck - A rich testing framework for Go

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package license

import (
    "context"
    "flag"
    "github.com/vmware/govmomi/govc/cli"
    "github.com/vmware/govmomi/govc/flags"
    "github.com/vmware/govmomi/license"
)

type decode struct {
    *flags.ClientFlag
    *flags.OutputFlag

    feature string
}

func init() {
    cli.Register("license.decode", &decode{})
}

func (cmd *decode) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)
    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)

    f.StringVar(&cmd.feature, "feature", ",", featureUsage)
}
func (cmd *decode) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }
    return nil
}

func (cmd *decode) Usage() string {
    return "KEY...
    }

func (cmd *decode) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }
    var result license.InfoList
    m := license.NewManager(client)
    for _, v := range f.Args() {
        license, err := m.Decode(ctx, v)
        if err != nil {
            return err
        }
        result = append(result, license)
        result = result.WithFeature(cmd.feature)
    }
    return cmd.WriteResult(licenseOutput(result))
}

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

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import (
    "fmt"
    "io"
    "os"
    "text/tabwriter"

    "github.com/vmware/govmomi/vim25/types"
type licenseOutput []types.LicenseManagerLicenseInfo

func (res licenseOutput) Write(w io.Writer) error {
    tw := tabwriter.NewWriter(os.Stdout, 4, 0, 2, ' ', 0)
    fmt.Fprintf(tw, "Key:\tEdition:\tUsed:\tTotal:\n")
    for _, v := range res {
        fmt.Fprintf(tw, "%s\t", v.LicenseKey)
        fmt.Fprintf(tw, "%s\t", v.EditionKey)
        fmt.Fprintf(tw, "%d\t", v.Used)
        fmt.Fprintf(tw, "%d\t", v.Total)
        fmt.Fprintf(tw, "\n")
    }
    return tw.Flush()
}

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*/

package license

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

type AssignmentManager struct {
object.Common
}

func (m AssignmentManager) QueryAssigned(ctx context.Context, id string) ([]types.LicenseAssignmentManagerLicenseAssignment, error) {
req := types.QueryAssignedLicenses{
This:       m.Reference(),
EntityId: id,
}

res, err := methods.QueryAssignedLicenses(ctx, m.Client(), &req)
if err != nil {
return nil, err
}

return res.Returnval, nil
}

func (m AssignmentManager) Remove(ctx context.Context, id string) error {
req := types.RemoveAssignedLicense{

__Open Source Used In MSX Platform Infrastructure 4.1.0 7383__


func (m AssignmentManager) Update(ctx context.Context, id string, key string, name string) (*types.LicenseManagerLicenseInfo, error) {
    req := types.UpdateAssignedLicense{
        This:              m.Reference(),
        Entity:            id,
        LicenseKey:        key,
        EntityDisplayName: name,
    }

    res, err := methods.UpdateAssignedLicense(ctx, m.Client(), &req)
    if err != nil {
        return nil, err
    }

    return &res.Returnval, nil
}

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package simulator

)

// EvalLicense is the default license
  
  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,
    }
    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 *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
}
open_source_licenses.txt

vSphere Integrated Containers Engine 1.5.0 GA

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>>> aws_aws-sdk_go_aws-master
>>> coreos_etcd_client-781196fa8746d6c34ace2a62898051af6de46002
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>>> vishvananda_netlink-482f7a52b758233521878cb6c5904b6b6d3f3457
>>> vishvananda_netns-604efaf189ee867d8c147fafa28def2394e878d25
>>> yaml_v2-4c78c975fe7c8256d1466c42be594d1d6f3aba6

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>>> agl_ed25519-master
>>> airbreak_gobrake_v2-c9d51adce624b5c4c1bf8de730a09af4878ffe2d
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>>> asaskevich_govalidator-9699ab6b383ee2e02c3f8e999ec6f7665395e96
>>> azure_go-ansiterm-70b2c90b260171e829f1ebd7c17f600e11858dbe
>>> boltdb_bolt-b514920f8f2e0a68f857e5a127747f385a979ef9
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>>> cpuguy83_go-md2man_md2man-a65d4d2de45f7c7486d8fa9b202a3c8be315aaa
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>>> dustin_go-humanize-259d2a102b87d17f30e3cd9881a642961a16486
>>> gemnasium_logrus-airbrake-hook_v2-31e6fd4bd5a98d8ee7673d24bc54ec73c31810dd
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>>> go好看的-client-42fca177a36031d648551c751de1d5a5f55dd4f0
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>>> gorilla_sessions-ca9ada4d574153444b00d3f9c8559e4cc59f896
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>>> gRPC-b1a2821ca5a4fd666e48ddffbb7d67584d839d21
>>> hpcloud_tail-a30252cb868a21eb2d0b98132633053ec27f7f1e5
>>> jessevdk_go-flags-97448e191ac742cbca3d02b0c3769013a420a6f
>>> julienschmidt/httprouter-975b5ac7c21c0e3d2764200bf2a8e34657a6e6
>>> justinas/alice-1051eaf52cafeadd8ed59d28065f1fc8b274ec
>>> kr_pty-f7ee69f31298ecbe5d2b349c711e2547a617d398
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>>> dbus-1.11.12-1.ph2

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>>> photon-release-2.0-2.ph2

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>>> bzip2-1.0.6-8.ph2
>>> curl-7.59.0-3.ph2
>>> expat-2.2.4-1.ph2
>>> iputils-20151218-4.ph2
>>> krb5-1.16-2.ph2
>>> libarchive-3.3.1-2.ph2
>>> libcap-2.25-7.ph2
>>> libdb-5.3.28-1.ph2
>>> libffi-3.2.1-5.ph2
>>> libgss-0.6.26-3.ph2
>>> libssh2-1.8.0-1.ph2
>>> libtirpc-1.0.1-7.ph2
>>> linux-pam-1.3.0-1.ph2
>>> lsof-4.89-2.ph2
>>> ncurses-6.0-14.ph2
>>> openssh-7.5p1-10.ph2
>>> openssl-1.0.2p-1.ph2
>>> pcire-8.41-1.ph2
>>> popt-1.16-5.ph2
>>> shadow-4.2.1-16.ph2
>>> sqlite-3.22.0-3.ph2
>>> sudo-1.8.20p2-5.ph2
>>> vim-8.0.0533-5.ph2
>>> xz-5.2.3-2.ph2
>>> zlib-1.2.11-1.ph2

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>>> e2fsprogs-1.43.4-2.ph2
>>> gcc-6.3.0-7.ph2
>>> iproute2-4.10.0-3.ph2
>>> iptables-1.6.1-4.ph2
>>> linux-esx-4.9.137-1.ph2
>>> logrotate-3.11.0-3.ph2
>>> mingetty-1.08-2.ph2
>>> net-tools-1.60-11.ph2
>>> procps-ng-3.3.15-2.ph2
>>> rpm-4.13.0.2-1.ph2
>>> tdnf-1.2.3-4.ph2
>>> util-linux-2.32-1.ph2

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>>> coreutils-8.27-3.ph2
>>> elfutils-0.169-3.ph2
>>> grep-3.0-4.ph2
>>> gzip-1.8-1.ph2
>>> haveged-1.9.1-4.ph2
>>> readline-7.0-2.ph2

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>>> gmp-6.1.2-2.ph2

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>>> glib-2.52.1-3.ph2

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>>> ca-certificates-20180919-1.ph2
>>> nspr-4.15-1.ph2
>>> nss-3.31.1-1.ph2

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Go support for leveled logs, analogous to https://code.google.com/google-glog

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>>> azure_go-ansiterm-70b2c90b260171e829f1ebd7c17f600c11858dbe

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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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>>> tylerb_graceful-d7d7a205e779a4738d38eda0671fff8bfc965f14

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It was heavily inspired by the go blowfish package.

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+build appengine

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It is designed to run only on the instance of godoc that serves golang.org.
package short

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lib/gssapi/mechglue/g_compare_name.c
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lib/gssapi/mechglue/g_inquire_names.c
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include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
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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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SHA-1 in C
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>>> lsof-4.89-2.ph2

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<<< ncurses-6.0-14.ph2

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

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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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TH su 1 "18 August 1999" "GNU Shell Utilities 20"

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>>> iproute2-4.10.0-3.ph2

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cchkconfig: 2345 11 89
description: sets up CBQ-based traffic control

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IPv6 Hop Limit Target module
Maciej Soltysiak <solt@dns.toxicfilms.tv>
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SYN signatures. Those signatures work for SYN packets only (duh!).

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his C header file is part of the SoftFloat IEC/IEEE Floating-point Arithmetic Package, Release 2.

Written by John R. Hauser. This work was made possible in part by the International Computer Science Institute, located at Suite 600, 1947 Center Street, Berkeley, California 94704. Funding was partially provided by the
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Please send questions/comments/patches about Linux PCI API to the "Linux PCI" <linux-pci@atrey.karlin.mff.cuni.cz> mailing list.

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Written by Andrew Lutomirski, 2011-2014.

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mkinstalldirs --- make directory hierarchy
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uuidparse.c --- Interpret uuid encoded information. This program violates the UUID abstraction barrier by reaching into the guts of a UUID.

Based on libuuid/src/uuid_time.c
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Edited 11/10/96 (DD/MM/YY :-) by Nicolai Langfeldt (janl@math.uio.no) to read /etc/passwd directly so that passwd, chsh and chfn can work on machines that run NIS (previously YP). Changes will not be made to usernames starting with +.

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Usage:
1) get a struct passwd from getpwnam().
You should assume a struct passwd has an infinite number of fields, so you should not try to create one from scratch.
2) edit the fields you want to edit.
3) call setpwnam() with the edited struct passwd.

A _normal user_ program should never directly manipulate etc/passwd but /use getpwnam() and (family, as well as) setpwnam().

But, setpwnam was made to _edit_ the password file. For use by chfn,
chsh and passwd. _I_ _HAVE_ to read and write /etc/passwd directly. Let those who say nay be forever silent and think about how getpwnam (and family) works on a machine running YP.

Added checks for failure of malloc() and removed error reporting to stderr, this is a library function and should not print on the screen, but return appropriate error codes.
27-Jan-97 - poe@daimi.aau.dk

Thanks to "two guys named Ian".

$Author: poer $
$Revision: 1.13 $
$Date: 1997/06/23 08:26:29 $

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Python bindings for the libmount library.

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Written by Ondrej Oprala and Karel Zak

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Bison implementation for Yacc-like parsers in C


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A Bison parser, made by GNU Bison 3.0.4.

Bison interface for Yacc-like parsers in C


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/ Bison implementation for Yacc-like parsers in C


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(Mostly) portable public-domain implementation -- D A Gwyn

This implementation of the PWB library alloca function, which is used to allocate space off the run-time stack so that it is automatically reclaimed upon procedure exit, was inspired by discussions with J. Q. Johnson of Cornell. J.Otto Tennant <jot@cray.com> contributed the Cray support.

There are some preprocessor constants that can be defined when compiling for your specific system, for improved efficiency; however, the defaults should be okay.

The general concept of this implementation is to keep track of all alloca-allocated blocks, and reclaim any that are found to be deeper in the stack than the current invocation. This heuristic does not reclaim storage as soon as it becomes invalid, but it will do so eventually.

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alloca.c -- allocate automatically reclaimed memory
(Mostly) portable public-domain implementation -- D A Gwyn

This implementation of the PWB library alloca function, which is used to allocate space off the run-time stack so
that it is automatically reclaimed upon procedure exit, was inspired by discussions with J. Q. Johnson of Cornell. J.Otto Tennant <jot@cray.com> contributed the Cray support.

There are some preprocessor constants that can be defined when compiling for your specific system, for improved efficiency; however, the defaults should be okay.

The general concept of this implementation is to keep track of all alloca-allocated blocks, and reclaim any that are found to be deeper in the stack than the current invocation. This heuristic does not reclaim storage as soon as it becomes invalid, but it will do so eventually.

As a special case, alloca(0) reclaims storage without allocating any. It is a good idea to use alloca(0) in your main control loop, etc. to force garbage collection.

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Heavily modified for GnuPG by Werner Koch

/

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DRBG: Deterministic Random Bits Generator
Based on NIST Recommended DRBG from NIST SP800-90A with the following properties:
CTR DRBG with DF with AES-128, AES-192, AES-256 cores
Hash DRBG with DF with SHA-1, SHA-256, SHA-384, SHA-512 cores
HMAC DRBG with DF with SHA-1, SHA-256, SHA-384, SHA-512 cores
with and without prediction resistance

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Test Socket Type

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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]
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Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's
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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").

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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
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under the terms of Sections 1 and 2 above provided that you accompany
it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

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

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
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
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a) Accompany the work with the complete corresponding
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changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
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to use the modified definitions.)

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c) If distribution of the work is made by offering access to copy
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d) Verify that the user has already received a copy of these
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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

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----------------- SECTION 5: GNU Lesser General Public License, V2.1 ----------------

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   Version 2.1, February 1999

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

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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.

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

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Version 3, 29 June 2007

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Version 1.1 - 26 February 2007
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*/

package license

import (
    "context"
    "flag"
    "fmt"
    "io"
    "os"
    "text/tabwriter"

    "github.com/vmware/govmomi/govc/cli"
    "github.com/vmware/govmomi/govc/flags"
    "github.com/vmware/govmomi/license"
    "github.com/vmware/govmomi/vim25/types"
)
type assigned struct {
    *flags.ClientFlag
    *flags.OutputFlag

    id string
}

func init() {
    cli.Register("license.assigned.ls", &assigned{ })
}

func (cmd *assigned) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)

    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)

    f.StringVar(&cmd.id, "id", "", "Entity ID")
}

func (cmd *assigned) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }
    return nil
}

func (cmd *assigned) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }
    m, err := license.NewManager(client).AssignmentManager(ctx)
    if err != nil {
        return err
    }
    assigned, err := m.QueryAssigned(ctx, cmd.id)
    if err != nil {
        return err
    }
    return cmd.WriteResult(assignedOutput(assigned))
type assignedOutput []types.LicenseAssignmentManagerLicenseAssignment

func (res assignedOutput) Write(w io.Writer) error {
    tw := tabwriter.NewWriter(os.Stdout, 4, 0, 2, ' ', 0)
    fmt.Fprintf(tw, "Id:\tscope:\tName:\tLicense:\n")
    for _, v := range res {
        fmt.Fprintf(tw, "%s\t", v.EntityId)
        fmt.Fprintf(tw, "%s\t", v.Scope)
        fmt.Fprintf(tw, "%s\t", v.EntityDisplayName)
        fmt.Fprintf(tw, "%s\t", v.AssignedLicense.LicenseKey)
        fmt.Fprintf(tw, "\n")
    }
    return tw.Flush()
}

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*** Settings ***
Documentation Test 19-4 - DRS-Disabled-License-Features
Resource ../../resources/Util.robot
Suite Teardown Cleanup VIC Appliance On Test Server

*** Test Cases ***
vic-machine create checks DRS setting and RP options
   Set Environment Variable TEST_TIMEOUT 30m

   ${output}= Install VIC Appliance To Test Server additional-args=--memory 8000 --memory-reservation 512 --memory-shares 6000 --cpu 10000 --cpu-reservation 512 --cpu-shares high
   Should Contain ${output} DRS is recommended, but is disabled
Should Contain {output} Memory Limit
Should Contain {output} Memory Reservation
Should Contain {output} Memory Shares
Should Contain {output} CPU Limit
Should Contain {output} CPU Reservation
Should Contain {output} CPU Shares

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- javaee_web_services_1_2.xsd
- 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
- javaee_8.xsd
- web-app_4_0.xsd
- web-common_4_0.xsd
- web-fragment_4_0.xsd

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* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
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* java.sun.security.ssl

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org.apache.tomcat:tomcat-util-scan
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org.apache.tomcat:tomcat-jasper-el
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org.eclipse.jetty.toolchain:jetty-schemas

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1.1114 node-string-width 4.2.0-1

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1.1116 node-balanced-match 1.0.0-1

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1.1117 prometheus-procfs v0.0.2

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

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1.1119 deep-is 0.1.3
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1.1120 react-beautiful-dnd 8.0.7

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1.1121 jackson-dataformat-cbor 2.9.10

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1.1122 humanize-ms 1.2.1

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1.1123 compress-lzf 0.8.4

1.1124 logstash-filter-anonymize 3.0.6

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lib/gssapi/mechglue/g_delete_sec_context.c
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lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
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kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
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1.1134 glibc 2.24-11+deb9u3

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* /opt/cola/permits/1135840536_1613612905.33/0/javassist-3-26-0-ga-sources-4-jar/javassist/bytecode/stackmap/MapMaker.java
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* /opt/cola/permits/1135840536_1613612905.33/0/javassist-3-26-0-ga-sources-4-jar/javassist/SerialVersionUID.java
* /opt/cola/permits/1135840536_1613612905.33/0/javassist-3-26-0-ga-sources-4-jar/javassist/tools/reflect/Reflection.java
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* /opt/cola/permits/1135840536_1613612905.33/0/javassist-3-26-0-ga-sources-4-jar/javassist/tools/rmi/Sample.java
* /opt/cola/permits/1135840536_1613612905.33/0/javassist-3-26-0-ga-sources-4-jar/javassist/bytecode/analysis/Type.java
* /opt/cola/permits/1135840536_1613612905.33/0/javassist-3-26-0-ga-sources-4-jar/javassist/bytecode/StackMap.java
* /opt/cola/permits/1135840536_1613612905.33/0/javassist-3-26-0-ga-sources-4-jar/javassist/compiler/parser/FieldInfo.java
* /opt/cola/permits/1135840536_1613612905.33/0/javassist-3-26-0-ga-sources-4-jar/javassist/compiler/JvstTypeChecker.java
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* /opt/cola/permits/1135840536_1613612905.33/0/javassist-3-26-0-ga-sources-4-jar/javassist/bytecode/stackmap/BasicBlock.java
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* /opt/cola/permits/1135840536_1613612905.33/0/javassist-3-26-0-ga-sources-4-jar/javassist/tools/reflect/Metalevel.java
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* /opt/cola/permits/1135840536_1613612905.33/0/javassist-3-26-0-ga-sources-4-jar/javassist/ct/CtClass.java
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* /opt/cola/permits/1135840536_1613612905.33/0/javassist-3-26-0-ga-sources-4-jar/javassist/convert/TransformAccessArrayField.java
* /opt/cola/permits/1135840536_1613612905.33/0/javassist-3-26-0-ga-sources-4-jar/javassist/runtime/DotClass.java
* /opt/cola/permits/1135840536_1613612905.33/0/javassist-3-26-0-ga-sources-4-jar/javassist/bytecode/CodeAttribute.java
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1.1145 nopt 4.0.1

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1.1150 jackson-datatype-jdk8 2.10.5
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Manifest-Version: 1.0
Bnd-LastModified: 1595301005506
Build-Jdk: 1.8.0_162
Built-By: tatu
Bundle-Description: Add-on module for Jackson (http://jackson.codehaus.org) to support JDK 8 data types.
Bundle-DocURL: https://github.com/FasterXML/jackson-modules-java8/jackson-datatype-jdk8
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt
Bundle-ManifestVersion: 2
Bundle-Name: Jackson datatype: jdk8
Bundle-SymbolicName: com.fasterxml.jackson.datatype.jackson-datatype-jackson-datatype-jdk8
Bundle-Vendor: FasterXML
Bundle-Version: 2.10.5
1.1151 nanomatch 1.2.7

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Here is a list of the main contributors to lm-sensors version 3.

* Frodo Looijaard
  Original author of libsensors, sensors-detect, sensors and isadump.
* Merlin Hughes
  Original author of sensord.
* Bob Schlaermann
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* Mark M. Hoffman
  Many improvements to the libsensors configuration file scanner.
* Jean Delvare
  New libsensors API, and migration of sensors and sensord thereto.
  Many optimizations in libsensors and sensors.
  Configuration file converter.
  Rewrite of sensors-detect.
  Support for multiple configuration files in libsensors.

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Implementation-Title: Netty/Transport
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Implementation-Version: 4.1.59.Final
Built-By: root
Bnd-LastModified: 1612782105444
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Import-Package: io.netty.buffer;version="[4.1,5)";io.netty.resolver;version="[4.1,5)";io.netty.util;version="[4.1,5)";io.netty.util.concurrent;version="[4.1,5)";io.netty.util.internal;version="[4.1,5)";io.netty.util.logging;version="[4.1,5)";sun.nio.ch;resolution:=optional,org.eclipse.jetty.npn;version="[1,2)";resolution:=optional,org.eclipse.jetty.alpn;version="[1,2)";resolution:=optional
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Tool: Bnd-2.4.1.201501161923
Implementation-Vendor: The Netty Project
Bundle-Name: Netty/Transport
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1.1166 angular-sortable-view 0.0.15

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1.1167 go-openapi-jsonpointer v0.19.5

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1.1169 graceful-fs 4.2.6

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(cmd/krb5/kadmin/server/ipropd_svc.c
(cmd/krb5/kproplog/kproplog.c
(cmd/krb5/slave/kpropd_rpc.c
(lib/gss_mechs/mach_krb5/et/kdb5_err.c
(lib/gss_mechs/mach_spnego/mach/gssapiP_spnego.h
(lib/gss_mechs/mach_spnego/mach/spnego_mech.c
(lib/krb5/kadm5/kadm_host_srv_names.c
(lib/krb5/kdb/kdb_convert.c
(lib/krb5/kdb/kdb_hdr.h
(lib/krb5/kdb/kdb_log.c
(lib/krb5/kdb/kdb_log.h
(lib/gss/g_accept_sec_context.c
(lib/gss/g_acquire_cred.c
(lib/gss/g_canon_name.c
(lib/gss/g_compare_name.c
(lib/gss/g_context_time.c
```
lib/libgss/g_delete_sec_context.c
lib/libgss/g_dsp_name.c
lib/libgss/g_dsp_status.c
lib/libgss/g_dup_name.c
lib/libgss/g_exp_sec_context.c
lib/libgss/g_export_name.c
lib/libgss/g_glue.c
lib/libgss/g_imp_name.c
lib/libgss/g_imp_sec_context.c
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lib/libgss/g_inquire_context.c
lib/libgss/g_inquire_cred.c
lib/libgss/g_inquire_names.c
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lib/libgss/g_rel_buffer.c
lib/libgss/g_rel_cred.c
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lib/libgss/g_userok.c
lib/libgss/g_utils.c
lib/libgss/gssd_pname_to_uid.c
uts/common/gssapi/include/gssapi_err_generic.h
uts/common/gssapi/include/mechglueP.h

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lib/gssapi/mechglue/g_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
and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
cadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
kprop/kpropd_rpc.c
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1.1173 kerberos 1.18.1

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lib/krb5/kdb/kdb_log.h
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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
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lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
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lib/gssapi/mechglue/g_export_name.c
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lib/gssapi/mechglue/g_imp_name.c
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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
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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kprop/kpropd_rpc.c
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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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Extensions for Protocol Buffers to create more go like structures.

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

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

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

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1.1185 connect-json 2.0.1

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1.1188 browserify-zlib 0.2.0

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1.1189 color-string 1.5.5

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1.1190 merge2 1.2.1

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1.1191 jflex 1.6.0

1.1192 jzelinskie-whirlpool v0.0.0-20170603002051-c19460b8caa6

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1.1193 base-files 9.9+deb9u8

1.1194 babel-helper-regex 6.26.0
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1.1195 d3 3.5.6

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* /opt/cola/permits/1142800335_1615477336.49/0/snmp4j/util/package.html
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SNMP4J 2 - TsmSecurityStateReference.java

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package cloud

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

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

func TestLicense(t *testing.T) {
    t.Parallel()
    err := filepath.Walk(".", func(path string, fi os.FileInfo, err error) error {
        if err != nil {
            return err
        }
        ext := filepath.Ext(path)
        if ext != ".go" && ext != ".proto" {
            return nil
        }
        src, err := ioutil.ReadFile(path)
        if err != nil {
            return nil
        }
        src = src[:300] // Ensure all of the sentinel values are at the top of the file.
        if strings.Contains(src, "Copyright") {
            return nil
        }
        return nil
    })
}
// Find license
for _, sentinel := range sentinels {
    if !bytes.Contains(src, []byte(sentinel)) {
        t.Errorf("%v: license header not present. want %q", path, sentinel)
        return nil
    }
}

return nil
}
}

if err != nil {
t.Fatal(err)
}
}

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1.1213 character-parser 2.2.0
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1.1216 webhdfs 0.9.0

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1.1219 react-sizeme 2.3.6

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1.1220 oniguruma 6.9.6-1.1

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1.1221 @babel/plugin-transform-object-super

7.2.0

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1.1223 google-collections 0.9

1.1224 xmlsec-java 2.1.0

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- Adding randomness setting to the certificate and CRL generators.
- Isolating the tagging bug in the ASN.1 library that was misrepresenting some ASN.1 constructed data types. Contributions to the streaming S/MIME classes.
- Fixing the clone problem with Macs in the clean room JCE.
- Initial code for CMS/SMIME CompressedData.
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Gregor Leander &lt;gl&#0644bos-bremen.de&gt; - initial parsing of multiple sequence entries in an X.500 Name.

Antoon Bosselaers &lt;Antoon.Bosselaers&#064esat.kuleuven.ac.be&gt; - help with RipeMD320 implementation.

Peter Sylvester &lt;Peter.Sylvester&#064edelweb.fr&gt; - improvements to the ASN.1 BasicConstraints object.

Doug &lt;ummmm&#064myrealbox.com&gt; - addition of isEncryptionKey method to OpenPGP public keys.

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

W.R. Dittmer &lt;wdittmer&#064cs.vu.nl&gt; - patch to decoding of SignatureCreationTime in BCPG. Patch to PGPKeyPair to fix nullpointer exception.

Perez Paz Luis Alberto &lt;laperez&#064banxico.org.mx&gt; - patch to use of BitString in X.500 name.

James Wright &lt;James_Wright&#064harte-hanks.com&gt; - patches for dealing with "odd" ArmoredInputStreams.

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

Michael Hausler &lt;hausler&#064ponton-consulting.de&gt; - extra aliases for provider.

Sai Pullabhotla &lt;psai&#0644linoma.com&gt; - fix to PGP compressed data generator to improve compression levels. Performance improvements for KeyBasedLargeFileProcessor.

Joseph Miller &lt;Joseph&#064064digiwed.net.nz&gt; - addition of ZeroBytePadding.

Lars &lt;xyz&#064sagemdenmark.dk&gt; - patch to explicit padded mode for CBC block cipher MAC.

Jeroen van Vianen &lt;jeroen&#0644vanvianen.nl&gt; - the Signed and Encrypted mail example.

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

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

Filipe Silva &lt;filipe.silva&#064wedoconsulting.com&gt; - patch to fix overread issue in BCPGInputStream.

Alpesh Parmar &lt;alps&#064064linuxmail.org&gt; - patch for class cast problem in PGPPublicKey.getSignatures().

Jay Gengelbach &lt;jgengelbach&#064webmethods.com&gt; - patch to fix isSigningKey in PGPSecretKey class, patch to hashedPackets in PGP signatureGenerator, initial cut for indefinite length output.

Doug &lt;doug&#0644tigerprivacy.com&gt; - public key ring patches for ElGamal Signatures, problem key ring data.
Matthew Mundy &lt;mmundy1@umbc.edu&gt; - infinite loop prevention patch to PKCS5S2ParametersGenerator.

Tom Cargill &lt;cargill@064profcon.com&gt; - spelling patch in provider.

Breitenstrom Christian &lt;c.Breitenstrom@064-systems.com&gt; - compatibility patch to SignaturePacket, DetachedSignatureProcessor.

Zanotti Mirko &lt;zanotti@064cad.it&gt; - patch to ordered equality test for X509Name.

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

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

Bruce Gordon &lt;bruce.gordon@064savvis.net&gt; - patch to secret key creation encoding NullPointerExeception in OpenPGP, speed up for BCPGInputStream.

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

Albert Moliner &lt;amoliner@064evinta.com&gt; - initial TSP implementation.

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

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

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

Rolf Schillinger &lt;rolf@065ir-wum.de&gt; - initial implementation of Attribute Certificate generation.

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

Fraunck Leroy &lt;Franck.Leroy@064keynectis.com&gt; - ANS.1 set sorting. Contributions to TSP implementation. Test vectors for Bleichenbacher's forgery attack.

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

Nickolay Bolshakov &lt;tyrex@064rekeft.ru&gt; - patch for class cast exception in AuthorityInformationAccess class.

Soren Hilmer &lt;soren.hilmer@064tietoenator.com&gt; - patches for CertID with issuerSerial set in TSP implementation, additional compliance testing.

Steve Mitchell &lt;smitchell@064intertrust.com&gt; - patch for stateful path validator fix. Patch to allow BigInteger class to create negative numbers from byte arrays. Additions to allow different providers to be used for asymmetric/symmetric encryption in OpenPGP.

Optimisation to avoid redundant verification in path validator. Suggestion to use PKIXParameters.getSigProvider() correctly.

Dirk Eisner &lt;D.Eisner@seeburger.de&gt; - initial implementation of ISO 78164-4 padding.

Julien Pasquier &lt;JulienPasquier@064free.fr&gt; - initial implementation of attribute classes from RFC 3126. Fix to KEKIdentifier, OtherKeyAttribute parsing. Initial ContentHints class.

Matteo &lt;matartuso@064libero.it&gt; - sequence patch to ASN1Dump.

Andrew Paterson &lt;andrew.paterson@064burnsec.com&gt; - patches to PGP tools, isRevoked method on PGPPublicKey.

Vladimir Molotkov &lt;vladimir.n.molotkov@064intel.com&gt; - extensive provider exception handling compliance testing.

Florin Kollan &lt;adlocflo@064web.de&gt; - fix to ElGamalKeyParameters equality testing.

Pavel Vassiliev &lt;paulvas@064gmail.com&gt; - Initial GOST28147Mac implementation.

Tom Pesman &lt;tom@064nux.net&gt; - addition of DES-EDE encryption for RSAPrivate keys.
PEMWriter.</li>
<li>Lukasz Kowalczyk &lt;lukasz.b.kowalczyk@#064gmail.com&gt; - patch to fix parsing issue with OpenSSL PEM based certificate requests.</li>
<li>Arndt Hasch &lt;Arndt.Hasch@#064maxence.de&gt; - additional fix for partial reading with new style PGP packets.</li>
<li>Fix Bernd (KCDP 11) &lt;bernd.fix@#064credit-suisse.com&gt; - fix for 31 byte issue and exception throwing by Whirlpool.</li>
<li>David M. Lee &lt;dmlee@#064Crossroads.com&gt; - code for add and remove secret key in the PGPSecretKeyRing class. Additions to S/MIME and CMS unit tests.</li>
<li>Mike Dillon &lt;md5@#064embody.org&gt; - additional checks for PGP secret and public key construction, patches to copyWithNewPassword.</li>
<li>tu-vi cung &lt;t2cung@#064hotmail.com&gt; - patch for out of bounds problem in getDecoderStream method.</li>
<li>Chris Schultz &lt;cschultz@#064gmail.com&gt; - fix for InputStream constructor for X509V2AttributeCertificate.</li>
<li>David M. Lee &lt;dmlee@#064Crossroads.com&gt; - implementation assistance with streaming CMS classes.</li>
<li>Joel Rees &lt;rees@#064ddcom.co.jp&gt; - fix to correct getOID methods from returning same set on X.509 attribute certificates.</li>
<li>Francesc Sau &lt;francesc.sau@#064partners.netfocus.es&gt; - micro fix for tsp Accuracy class.</li>
<li>Larry Bugbee &lt;lbugbee@#064mac.com&gt; - initial ECNR implementation.</li>
<li>Remi Blancher &lt;Remi.Blancher@#064keynectis.com&gt; - Contributions to TSP implementation. Initial implementation of RFC 3739 and ICAO ASN.1 classes.</li>
<li>Brian O'Rourke &lt;bianorourke@#064gmail.com&gt; - patch for signature creation time override in OpenPGP.</li>
<li>Andreas Schwier &lt;andreas.schwier@#064cardcontact.de&gt; - initial implementation of ISO9797 MAC Algorithm 3, addition of DES-ED 64 MAC to the provider, fix to EC point encoding, addition of EC and RSA-PSS OIDs to CMS, addition of AES-CMAC and DESede-CMAC to JCE provider.</li>
<li>David Josse &lt;david.josse@#064transacttools.net&gt; - Patch for trailer function in version 2 signature packets.</li>
<li>Kishimoto Kazuhiko &lt;kazu-k@#064hi-ho.ne.jp&gt; - RFC 3280 updates to policy processing in the CertPath validator. Additional test data not covered by NIST.</li>
<li>Lawrence Tan &lt;lwrnctan@#064gmail.com&gt; - Large field OID sample test data. Missing key types in JDKKeyFactory.</li>
<li>Carlos Valiente &lt;superdupont@#064gmail.com&gt; - Addition of CRL writing to the PEMWriter class.</li>
<li>Keyon AG, Martin Christinat, &lt;a href="http://www.keyon.ch">http://www.keyon.ch/a&gt; - fixing incorrect ASN.1 encoding of field elements in X9FieldElement class.</li>
<li>Olaf Keller, &lt;olaf.keller.bc@#064bluewin.ch&gt; - initial implementation of the elliptic curves over binary fields F2m. Additional tests and modifications to elliptic curve support for both F2m and Fp. Performance improvements to F2m multiplication. Initial implementation of WNAF/WTNAF point multiplication. Improvement to k value generation in ECDSA.</li>
<li>J&ouml;rg Eichhorn &lt;eichhorn@#064ponton-consulting.de&gt; - patch to fix EOF read on SharedFileStream support for F2m compression.</li>
<li>Karsten Ohme &lt;widerstand@#064t-online.de&gt; - initial check against for out of range data on non byte aligned RSA keys. Addition of equals/hashCode on ECCurve.Fp. Additional curve type support for Fp, contributions to F2m compression. F2m decoding for ECPointUtil. Infinity fix and prime192v2 fix for Fp. Extra validation for RSA key creation. Fix to name types for some OpenSSL key generators. RFC-1779 table, improved RFC 2253 compliance for X509Name. Additional constructor validation for X.509/ESS ASN.1 classes. Validation
for Printable, IA5, and Numeric Strings. Fix for RFC 5280 NameConstraint checking for RDNs. </li>
Support for surrogate pairs in DERUTF8String, DER UTF8 test. Additional X.509 name attributes for ISIS-MTT, RFC 3039, addition of indirect CRL support, initial X509 LDAP CertStore implementation, CertificatePair class, and X509CertificatePair class. Contributions to X509Store/Parser infrastructure and design. CertPath support for implicit DSA parameters and a range of NameConstraints. Addition of support for V1 attribute certificates and attribute certificate path validation. Initial classes for ASN.1 ISIS-MTT support. Enhancements for improving compliance with the NIST CertPath tests.</li>
<li>Carlos Lozano Ruiz &lt;carlos@tradise.com&gt; - patch for &lt;ctrl&gt;&lt;m&gt; only handling in CRLFOutputStream.</li>
<li>John Alfred Prufrock &lt;j.a.prufrock@64gmail.com&gt; - mods to GOST-3411 and MD2 to support ExtendedDigest.</li>
<li>Stefan Neusatz Guilhen &lt;sneusatz@64gmail.com&gt; - initial version of RoleSyntax, improvements to AttributeCertificateHolder and AttributeCertificateIssuer.</li>
<li>Marzio Lo Giudice &lt;marzio.logiudice@64gmail.com&gt; - fix to endianess in KDF2BytesGenerator, additional KDF2 tests.</li>
<li>Georg Lippold &lt;georg.lippold@64gmx.de&gt; - initial implementation of NaccacheStern cipher.</li>
<li>Chris Viles &lt;chris_viles@64yahoo.com&gt; - fix to SignatureSubpacket critical bit setting.</li>
<li>Pasi Eronen &lt;Pasi.Eronen@64nokia.com&gt; - extra toString() support for ASN.1 library. Initial patch for large OID components.</li>
<li>Maria Ivanova &lt;maria.ivanova@64gmail.com&gt; - support for tags > 30 in ASN.1 parsing.</li>
<li>Armin H&auml;berling &lt;arminha@student.ethz.ch&gt; - first cut of internationalisation, initial PKIX validation classes.</li>
<li>Marius Schilder &lt;mschilder@64google.com&gt; - main set of test vectors for Bleichenbacher's forgery attack.</li>
<li>Xavier Le Vouch &lt;xavier@64brittanysoftware.com&gt; - general code clean ups.</li>
<li>Erik Tews &lt;e_tews@64cde.informatik.tu-darmstadt.de&gt; - initial threaded random seed generator, constant-time PKCS#1.5 decoding.</li>
<li>Thomas Dixon &lt;reikomusha@64gmail.com&gt; - initial implementations of TEA/XTEA, Salsa20, ISAAC, and Noekeon. XTEA enhancements.</li>
<li>Frank Cornelis &lt;info@64frankcornelis.be&gt; - addition of crlAccessMethod in X509ObjectIdentifiers.</li>
<li>Rui Joaquim &lt;rjoaquim@64cc.isel.ipl.pt&gt; - initial implementation of RSA blinding for signatures.</li>
<li>David Stacey &lt;DStacey@64allantgroup.com&gt; - addition of trust packet checking on revocation signatures in PGPSecretKeyRing.</li>
<li>Martijn Brinkers &lt;list@64mitm.nl&gt; - better exception handling in CMS enveloping, "just in time" modifications for CRL and Sequence evaluation.</li>
<li>Julius Davies &lt;juliusdavies@64gmail.com&gt; - additional modes and algorithm support in PEMReader.</li>
<li>Matthias &lt;g@64rttner.de&gt; - GnuPG compatibility changes for PBEFileProcessor.</li>
<li>Olga K&amp;auml;thler &lt;olga.taehler@64hip-consulting.com&gt; - initial implementation of TeleTrusT EC curves, additional ISO 9797 MACs, contributions to EAC OIDs, addition of EAC algorithms to CMS Signing.</li>
<li>Germano Rizzo &lt;germano.rizzo@64gmail.com&gt; - initial implementation of CMac, EAX, HC-128, and HC-256, optimisations for Salsa20.
Núria Marí &lt;numaa@hotmail.com&gt; - patch for alternate data type recognition in CMSSignedDataParser.

Janis Schuller &lt;js@#064tzi.de&gt; - addition of NotationData packets for OpenPGP.

Michael Samblanet &lt;mike@#064samblanet.com&gt; - patches towards improved Sun/default provider support in CMS.

Ramon Keller &lt;ramon.keller@#064gmx.ch&gt; - patch to deal with null revocations return from other CRL in X509V2CRLGenerator.

Mark Nelson &lt;mark@#064nbr.com&gt; - correction to excluded DN in name constraints processing for PKIX processing.

Peter Knopp &lt;pknopp@#064mtg.de&gt; - fix for named curve recognition in ECGDSA, updates to KeyPurposeId.

Jakub Gwozdz &lt;gwozdz@#064rpg.pl&gt; - addition of getTsa() to TimeStampTokenInfo.

Bartosz Malkowski &lt;bmalkow@#064tigase.org&gt; - initial implementation of VMPC cipher, VMPCRandomGenerator, VMPCMac.

Tal Yacobi &lt;tal.yacobi@octavian-tech.com&gt; - fix for issue in OpenPGP examples [#BJA-55].

Massimiliano Ziccardi &lt;massimiliano.ziccardi@#064gmail.com&gt; - support for counter signature reading in CMS API, update for multiple counter signature attributes, JCA compliance patch for PEM parsing in CertificateFactory.

Andrey Pavlenko &lt;andrey.a.pavlenko@#064gmail.com&gt; - security manager patch for PKCS1Encoding property check.

J Ross Nicoll &lt;jrn@#064jrn.me.uk&gt; - improved exception handling for getInstance() in ASN.1 library.

Matthew Stevenson &lt;mavricknz@#064yahoo.com&gt; - patch to constructor for CRMF CertSequence.

Gabriele Contini &lt;gcontini@#064hotpop.com&gt; - identified a bug in ASN.1 library with handling of unterminated NDEF's.

Roelof Naude &lt;roelof.naude@#064cpiuse.com&gt; - patch for TLS client to send empty client certs in response to HP_CERTIFICATE_REQUEST.

Patrick Peck &lt;peck@#064signature.at&gt; - identified problem with DERApplicationSpecific and high tag numbers in ASN.1 library.

Michael LeMay &lt;lemaymd@#064lemaymd.com&gt; - identified problem with EAX [#BJA-93].

Alex Dupre &lt;ale@#064FreeBSD.org&gt; - fix to use of Signature rather than SignatureSpi in provider [#BJA-90]. Addition of null provider use to SignedPublicKeyAndChallenge and PKCS10CertificationRequest [#BJA-102].

Michael Schoene &lt;michael@#064sigrid-und-michael.de&gt; - fix of improper handling of null in ExtendedPKIXParameters.setTrustedACIssuers(), check for V2 signingCertificate attribute in TimeStampResponse.validate().

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

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

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

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

Rui Hodai &lt;rui@#064po.ntts.co.jp&gt; - speed ups for Camellia implementation, CamelliaLightEngine.
Emir Bucalovic &lt;emir.bucalovic@mail.com&gt; initial implementation of Grain-v1 and Grain-128.

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

Paul FitzPatrick &lt;bouncycastle_pfitz#064fitzpatrick.cc&gt; error message fix to X509LDAPCertStoreSpi, comparison fix to BCStrictStyle.

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

Cagdas Cirit &lt;cagdascirit#064gmail.com&gt; subjectAlternativeName fix for x509CertStoreSelector.

Harakiri &lt;harakiri_23#064yahoo.com&gt; datahandler patch for attached parts in SMIME signatures.

Pedro Henrique &lt;pmahenriques#064gmail.com&gt; explicit bounds checking for DESIME signatures, code simplification for OAEPEncoding.

Lothar Kimminger &lt;job#064kimmeringer.de&gt; verbose mode for ASN1Dump, support for DERExternal, DNS performance fix for S/MIME API.

Richard Farr &lt;r.farr#064gmail.com&gt; initial SRP-6a implementation.

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

Elisabetta Romani &lt;eromani#064sogei.it&gt; patch for recognising multiple counter signatures.

Robin Lundgren &lt;r737lundgren#064gmail.com&gt; CMPCertificate constructor from X509CertificateStructure fix.

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

Andreas Antener &lt;antener_a#064gm.ch&gt; fix to buffer reset in AsymmetricBufferedBlockCipher.

Harendra Rawat &lt;hrrawat#064yahoo.com&gt; fix for BERConstructedOctetString.

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

Alex Artamonov &lt;alexart.home#064gmail.com&gt; name lookup patch for GOST-2001 parameters.

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

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

Tomas Krivanek &lt;tom#064atack.cz&gt; added checking of Sender header to SignedMailValidator.

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

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

Markus Kilaring#s &lt;markus#064primekey.se&gt; several enhancements to TimeStampResponseGenerator.

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

Michael Smith &lt;msmith#064cbnco.com&gt; bug fixes and enhancements to the CMP and CRMF classes, initial Master List classes.

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

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

Wayne Grant &lt;wayne#064gmail.com&gt; additional OIDs for PKCS10 and certificate generation support.

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

Jan Dittbener &lt;jan#064dittbener.info&gt; addHeader patch for SMIME generator.

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

- Ivo Matheis &lt;i.matheis&#064seeburger.de&gt;: fix to padding verification in ISO-9796-1.
- Marco Sandrini &lt;nessche&#064gmail.com&gt;: patch to add IV to ISO9797Alg3Mac.
- Alf Malf &lt;alfilmalf&#064hotmail.com&gt;: removal of unnecessary limit in CMSContentInfoParser.
- Alfonso Massa &lt;alfonso.massa&#064insiel.it&gt;: contributions to CMS time stamp classes.
- Giacomo Boccardo &lt;gboccardo&#064unimaticaspa.it&gt;: initial work on CMSTimeStampedDataParser.
- Arnis Tartu &lt;arnis&#064ut.ee&gt;: patches for dealing with OIDs with specific key sizes associated in CMS.
- Janusz Sikociski &lt;J.Sikocinski&#064064gdzie.pl&gt;: addition of Features subpacket support to OpenPGP API.
- Ivo Matheis &lt;i.matheis&#064seeburger.de&gt;: fix to padding verification in ISO-9796-1.
- Marco Sandrini &lt;nessche&#064gmail.com&gt;: patch to add IV to ISO9797Alg3Mac.
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- Janusz Sikociski &lt;J.Sikocinski&#064064gdzie.pl&gt;: addition of Features subpacket support to OpenPGP API.
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- Marco Sandrini &lt;nessche&#064gmail.com&gt;: patch to add IV to ISO9797Alg3Mac.
- Alf Malf &lt;alfilmalf&#064hotmail.com&gt;: removal of unnecessary limit in CMSContentInfoParser.
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- Giacomo Boccardo &lt;gboccardo&#064unimaticaspa.it&gt;: initial work on CMSTimeStampedDataParser.
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- Janusz Sikociski &lt;J.Sikocinski&#064064gdzie.pl&gt;: addition of Features subpacket support to OpenPGP API.
- Ivo Matheis &lt;i.matheis&#064seeburger.de&gt;: fix to padding verification in ISO-9796-1.
- Marco Sandrini &lt;nessche&#064gmail.com&gt;: patch to add IV to ISO9797Alg3Mac.
- Alf Malf &lt;alfilmalf&#064hotmail.com&gt;: removal of unnecessary limit in CMSContentInfoParser.
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- Marco Sandrini &lt;nessche&#064gmail.com&gt;: patch to add IV to ISO9797Alg3Mac.
- Alf Malf &lt;alfilmalf&#064hotmail.com&gt;: removal of unnecessary limit in CMSContentInfoParser.
- Alfonso Massa &lt;alfonso.massa&#064insiel.it&gt;: contributions to CMS time stamp classes.
- Giacomo Boccardo &lt;gboccardo&#064unimaticaspa.it&gt;: initial work on CMSTimeStampedDataParser.
signature verification.

Tim Whittington &lt;Tim.Whittington&#064orionhealth.com&gt; patch to remove extra init call in CMac, additional of Memoable interface for Digest classes, initial implementation of GMAC, further correctness tests for IV and reset processing in OCB, CCM, and block cipher reset. Initial implementation of Skein, XSalsa20, ChaCha, reduced round Salsa20, Threefish, and the Poly1305 MAC. Documentation updates. Added OCB support to Nokeon and CAST6 in the provider, exception testing for CTS, optimisations for CCM, provider support for AAD cipher methods, safe CipherInputStream/OutputStream implementations for use with AAD and subsequent bug fixes, cleanup after IDEA patent expiry, work on JCE SipHash support, optimisations for AESFastEngine, further work on EncodableDigest for SHA-2 digests, contributions to BCrypt/OpenBSDBCrypt, PGP API documentation and code quality work.

Marcus Lundblad &lt;marcus.lundblad&#064primekey.se&gt; patch for working arnound JDK jarsigner TSP bug, optional setting of IssuerSerial in TimeStampTokenGenerator, additional extensions enhancement for time stamp token generation.

Andrey Zhozhin &lt;zhozhin&#064xrm.ru&gt; patch for override of TSP SignerInfo attributes.

Sergey Tiunov &lt;ti5555d&#064gmail.com&gt; initial cut of DVCS classes.

Damian Kolasa &lt;fatfredyy&#064gmail.com&gt; ASN1Sequence patch for class cast issue in X9Curve.

Ash Hughes &lt;ashley.hughes&#064blueyonder.co.uk&gt; patches for supporting PGPSecretKeyRing/PGPSecretKeys encodings with empty private keys, initial code for PGPSignatureSubpacketVector.getEmbeddedSignatures().

Daniel Hirscher &lt;dev&#064daniel-hirscher.de&gt; patch to support parsing of explicit EC parameters in PEM files.

Daniele Ricci &lt;daniele.athome&#064gmail.com&gt; initial implementation of EC keys for OpenPGP and RFC6637 support.

Matti Aarnio &lt;matti.aarnio&#0646methics.fi&gt; tweaks to any build to remove dependence on shell scripts. Initial SM3 digest implementation, some EC related code cleanups, JavaDoc improvements for ASN.1 classes, addition of NONEwithRSA to lightweight RSADigestSigner.

Babak Najafi &lt;bnajafi&#064akamai.com&gt; fixes to OpenPGP NotationData to prevent truncation problems.

Eric Mueller &lt;eric.mueller&#0646sage.de&gt; additional standard algorithm name lookups in JcaPEMKeyConverter.

Mathias Herberts &lt;Mathias.Herberts&#064gmail.com&gt; fix to inOff usage in RFC3394WrapEngine.

Daniil Ivanov &lt;daniil.ivanov&#064gmail.com&gt; addition of provider support for GOST HMAC SecretKeyFactory.

Daniele Grasso &lt;daniele.grasso86&#064gmail.com&gt; contributions to final Key calculation code for SRP6.

Andrey Utkin &lt;uinrcd&#064gmail.com&gt; patch to reconstruction of ECGOST keys from PrivateKeyInfo objects in provider classes.

Arnis Tartu &lt;arnis&#0644ut.ee&gt; checker for generated key vs OID in JceCMSContentEncryptorBuilder.

AxelVDB &lt;axel-vdb&#0646riseup.net&gt; initial implementation of Shacal2.

Roberto Tyley &lt;rtyley&#064gmail.com&gt; further work on completing gradle build.

Waldemar Dick &lt;wdick&#064devmue.de&gt; code improvement in x500 ASN.1 package.

Sid Steward &lt;sid.steward&#06464pdflabs.com&gt; code improvements to ASN1Boolean.

Alex Klyubin &lt;klyubin&#06464google.com&gt; AlgorithmParameters check for EC key agreement.

Jonathan Gillett &lt;gsoe.student&#064gmail.com&gt; Initial support for block cipher IVs in IESEngine, IES MAC length check bug fix.

Andreas Reiter &lt;andreasheritzi&#064tugraz.at&gt; Reported incomplete status of CertificateVerify processing in (D)TLS server, and provided fix.
Kieran Miller <kieran.miller@#064gmail.com>: initial implementation for RFC 5649 key wrap with padding.

Oliver Ehli <ehli@#064arago.de>: Additional support for BSI plain ECDSA in the provider.


Robert Bushman <bouncycastle@#064traxel.com>: Clean up of DirectKeySignature example.

Maurice Aarts <laarts@#064riscure.com>: updated to KDF generator to follow NIST SP 800-108.


KB Sriram <mail_kb@#064yahoo.com>: testing for odd encodings for PGP User Attribute Subpackets.

Marco Schulze <marco@#064nightlabs.de>: Reported verification bug in GenericSigner.


dstutz <https://github.com/dstutz>: added iteration count setters to PKCS#12 PBE mac/key generator builders.

Tobias Wich <tobias.wich@#064ecsec.de>: Provided patch for TLS to work around servers sending Supported Elliptic Curves extension unexpectedly.

Hauke Mehrtens <hauke@#064hauke-m.de>: TLS patch to add ECDHE_ECDSA CCM ciphersuites from RFC 7251.

Daniel Zimmerman <dmz@#064galois.com>: Further key quality improvements to RSAKeyPairGenerator.

Jens Kapitza <j.kapitza@schwarze-allianz.de>: Iterable support in OpenPGP API, code cleanup in OpenPGP API.

Johan Eklund <johan@#064primekey.se>: update to RFC 6960 for OCSPObjectIdentifiers.

nikosn <https://github.com/nikosn>: Fix to encoding of EC private keys to ensure encoding matches order length.

Axel von dem Bruch <axel-vdb@#064riseup.net>: Contributions to BCrypt/OpenBSDBCrypt, original version of Blake2bDigest.

Derek Atkins <derek@#064htmlf.com>: Documentation fixes to X9ObjectIdentifiers.

Peter Jr Halicky <peto@#064halicky.sk>: Correction to notification/error message handling in SignedMailValidator.


Thomas Belot <thomas.belot+BC@#064gmail.com>: initial CertPathLoopTest for demonstrating stack overflow issue.


Bjorn Kautler <https://github.com/Vampire>: Refinements to cert path validation (authority key addition, certificate order preservation).

Dominik Schumann <https://github.com/dschuermann>: method for returning signatures/verifications without user IDs on PGPPublicKey, method for exposing S2K in PGPSecretKey, constants for GNU protection modes in S2K classes, optional version header for armored output.

Michael <MSKnete@#064web.de>: initial fix for bitStrength issue for OpenPGP EC keys, correction for generic type on RecipientInformationStore.

Tobias Wagner <tobias.wagner@064n-design.de>: Fix SecureRandom handling in BcAsymmetricKeyWrapper [#BJA-536].

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

bschuette <https://github.com/bschuette>: Fixed typo in DefaultSignatureAlgorithmIdentifierFinder,
additional methods on CMSSignedDataParser.</li>
<li>Leonard Dallot &lt;https://github.com/dallotTazTag&gt; Fix to S2K usage of none on changing passwords on keys without passwords originally.</li>
<li>Jan Willem Janssen &lt;j.w.janssen+bouncycastle#064lxextreme.nl&gt; Support for DSAParameters in lightweight SubjectPublicKeyInfoFactory, initial object signer verifier for BC lightweight EC.</li>
<li>Sebastian Oerding &lt;sebastian.oerding@robotron.de&gt; Fixes to toString() in x509.CertificatePolicies.</li>
<li>Kai Kramer &lt;kai.kramer#064gmail.com&gt; Code to deal with orphaned chain certificates in the PKCS#12 KeyStore.</li>
<li>Benoit Charles &lt;benoit.charles#064opentrust.com&gt; Fix for IES data length check on decryption.</li>
<li>Niko &lt;nfink95#064gmail.com&gt; fix to cast issue in getOutputSize() for ECIES.</li>
<li>akwizgran &lt;https://github.com/akwizgran&gt; Fixed clone of key in Blake2bDgest copy constructor, blake2b reset issue for variant keys.</li>
<li>Matthias Edelhoff &lt;Matthias.Edelhoff#064cryptovision.com&gt; BasicConstraintsValidation pathlen fix in PKIX certpath classes.</li>
<li>Lukasz Deputat &lt;lukas.deputat#064gmail.com&gt; Fixed bugs in TlsUtils read methods [#BJA-592].</li>
<li>Justin Ludwig &lt;https://github.com/justinludwig&gt; Iterator fix for PGOBJECTFACTORY to handle stream packets at start of iterated data.</li>
<li>Andr&eacute;eaute; Berenguel &lt;https://github.com/aberenguel&gt; Fix to include ECNamedCurveSpec in EC AlgorithmParameterSpi</li>
<li>Slawomir Jaranowski &lt;https://github.com/slawekjaranowski&gt; Patch to make cipher/hash/signature name methods in PGP internal API public.</li>
<li>Andrey Vasilyev &lt;https://github.com/andrey-vasilyev&gt; Initial implementation of GOST R 34.11-2012.</li>
<li>William Glanton &lt;wglanton77#064gmail.com&gt; Fixed bug in Poly1305 [#BJA-620].</li>
<li>jdvorak001 &lt;https://github.com/jdvorak001&gt; Speed improvements for ASN.1 ObjectIdentifier cache.</li>
<li>Joseph Naegele &lt;jnaegele#064grierforensics.com&gt; Patch for handling multiple certificates in a DANE SMIMEA entry.</li>
<li>Andrew Bonventure &lt;https://github.com/andybons&gt; NullPointer patch for WNafUtil.</li>
<li>The Google Security Team (Project Wycheproof) &lt;https://github.com/google/wycheproof&gt; defect analysis and additional test cases for the provider.</li>
<li>Gorka Irazoqui &lt;girazoki#064wpi.edu&gt; from Intel Security Center of Excellence &lt;https://security-center.intel.com/&gt; detection of the issue with AESFastEngine (CVE-2016-1000339), additional suggestions for improvement to hardening of AESEngine and finding cache sensitivities in EC key generation/signing.</li>
<li>Joerg Senekowitsch &lt;joerg.senekowitsch#064veridos.com&gt; patch to deal with hard coded boolean in EAC EcoDSAKey.</li>
<li>Andrei Krivoshta &lt;wipe&#064ya.ru&gt; N4 calculation fix to GOFB mode.</li>
<li>Artem Storozhuk &lt;storozhj72#064gmail.com&gt; N4 calculation fix to GOFB mode.</li>
<li>Na Yu &lt;na.yu#064samsung.com&gt; Constructor patches to CMC PKIData.</li>
<li>Evangelos Karatsiolis &lt;ekaratsiolis#064mtg.de&gt; Corrected use of explicit tagging in X.509 PolicyConstraints class.</li>
<li>VivleSoren &lt;https://github.com/VivleSoren&gt; additional constructor for McElieceCCA2PrivateKeyParameters.</li>
<li>mtausig &lt;https://github.com/mtausig&gt; JavaDoc fix for MCSEncryptedDataGenerator.</li>
<li>Sebastian Wolfgang Roland &lt;sebastianwolfgang.roland#064stud.tu-darmstadt.de&gt; Initial XMSS/XMSSMT implementation.</li>
Mike Safonov &lt;https://github.com/MikeSafonov&gt; initial implementation of GOST3410-2012 for lightweight provider and JCA, parameters patches for ECGOST keys, initial implementation of GOST3412-2015, addition of fromExtensions() for CRLDistPoint.

Artem Storozhuk &lt;storojs72@#064gmail.com&gt; initial implementation of DSTU7564 (digest) and DSTU7624 (cipher) and their associated modes.

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

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

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

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

ekszz &lt;https://github.com/ekszz&gt; corrections to SM2 signer to include default identity value.

jminer &lt;https://github.com/jminer&gt; fix to Blake2b for hashes in range of 2**64-127 to 2**64.

str4d &lt;https://github.com/str4d&gt; initial implementation of Blake2s.

Scott Woodward &lt;scott@#064bit3consulting.com&gt; performance fixes for CTRSP800DRBG.

David Srawn &lt;https://github.com/isomarcte&gt; fix for off by one error in SCRYPT bounds checking.

chris mccown &lt;0xchrismccown@#064gmail.com&gt; identification of serialisation issue with XMSS/XMSSMT private keys (see also CVE-2018-1000613).

ZZMarquis &lt;https://github.com/ZZMarquis&gt; offset patches for SM2 encryption and decryption, improvement to Array constant time comparison.

Andreas Kretschmer &lt;https://github.com/Akretsch&gt; NPE fix for CertTemplate.getVersion().

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

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

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

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

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

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

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

catbref &lt;https://github.com/catbref&gt; sample implementation of RFC 7748/Ed25519 (incorporated work from github users Valodim and str4d as well).

gerlion &lt;https://github.com/gerlion&gt; detection of concurrency issue with pre-1.60 EC math library.

fgrieu &lt;fgrieu@fgrieu.com&gt; identification and suggested fixes for possible timing vulnerability in OAEPEncoding and RSACoreEngine.

MTG &lt;https://github.com/mtgag&gt; patch for decoding issues in PKIPublicationInfo and CertifiedKeyPair.

Andreas Gadermaier &lt;up.gadermaier@#064gmail.com&gt; initial version of Argon2 PBKDF algorithm.

Tony Washer &lt;tony.washer@yahoo.co.uk&gt; review of qTesla, Java 1.9 module code, additional test code and debugging for GOST, DSTU, and ECNR algorithms. Initial lightweight implementation of the ZUC ciphers and macs.
<li>Vincent Bouckaert &lt;https://github.com/veebee&gt; initial version of RFC 4998 ASN.1 classes.</li>
<li>Tony Washer &lt;https://github.com/tonywasher&gt; ECIESKeyEncapsulation fix for use of OldCofactor mode. Submitted ChaCha20Poly1305 prototype.</li>
<li>Aurimas Liutikas &lt;https://github.com/liutikas&gt; JavaDoc patches to ReasonsMask.</li>
<li>Gabriel Sroka &lt;https://github.com/gabrielsroka&gt; corrected comments in RSA validation.</li>
<li>sarah-mdv &lt;https://github.com/sarah-mdv&gt; improvements to JceKeyTransRecipientInfoGenerator, tests for JournalingSecureRandom, initial implementation of JournaledAlgorithm.</li>
<li>Jesse Feinman &lt;https://github.com/jessefeinman&gt; performance optimisation in RSAKeyParameters.</li>
<li>Gilis95 &lt;https://github.com/Gilis95&gt; improved JSSE compatibility for setEnabledCipherSuites.</li>
<li>Haemin Yoo &lt;https://github.com/yoohaemin&gt; Javadoc fixes.</li>
<li>Antoine Toulme &lt;https://github.com/atoulme&gt; Initial implementation of EthereumIESEngine.</li>
<li>Golden Looly &lt;https://github.com/looly&gt; Initial implementation of C1C3C2 mode to SM2Engine.</li>
<li>Moses Palm&amp;eacute;r, TrueSec &lt;Henrik.Palmer@#064truesec.se&gt; Additional improvements to constant time comparisons.</li>
<li>Ren&amp;eacute; Korthaus &lt;https://github.com/securitykernel&gt; Update to XMSS/XMSS^MT OID values to bring them in line with RFC 8391.</li>
<li>THausherr &lt;https://github.com/THausherr&gt; Addition generic support for CMS/TSP functions.</li>
<li>Gaylor Bosson &lt;https://github.com/Gilthoniel&gt; Initial implementation of Blake2xs.</li>
<li>gaellalire &lt;https://github.com/gaellalire&gt; Patch for unprotected PGP private keys as SExpr.</li>
<li>Nick hitchan &lt;https://github.com/hitchan&gt; Fix for typo in engineInitSign() in EdEc SignatureSpi.</li>
<li>dbusche &lt;https://github.com/dbusche&gt; Argon2 optimisations.</li>
<li>Johnny Heldt &lt;https://github.com/dheldt&gt; Fixing encodings in unicode tests to allow a wider range of Java compilers to work. Tweak to inheritance in JceKeyAgreeRecipient.</li>
<li>Ugochukwu Mmaduekwe &lt;https://github.com/Xor-el&gt; Fix for initially bugged legacy Integers.numberOfLeadingZeros method.</li>
<li>Gsealy &lt;https://github.com/Gsealy&gt; addition of PBKDF2withHmacSM3 to the provider.</li>
<li>aphuang2013 &lt;https://github.com/aphuang2013&gt; update to path validation in EST service for ClearPath EST.</li>
<li>Kevin Herron &lt;https://github.com/kevinherron&gt; Initial ChaCha20Poly1305 prototype.</li>
<li>svkreml &lt;https://github.com/svkreml&gt; GOST compliance change for DefaultCMSSignatureEncryptionAlgorithmFinder.</li>
<li>Tobias Ospelt &lt;https://github.com/svkreml&gt; Identification of 1.63 regression in ASN.1 parsing.</li>
</ul>
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Found in path(s):
* /opt/cola/permits/1125758851_1613553092.69/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/Example-Swift/DCPathButton/Classes/DCPathItemButton.h
* /opt/cola/permits/1125758851_1613553092.69/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/DCPathButton/Classes/DCPathItemButton.m
* /opt/cola/permits/1125758851_1613553092.69/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/Example-Swift/DCPathButton/Classes/DCPathItemButton.m
* /opt/cola/permits/1125758851_1613553092.69/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/DCPathButton/Classes/DCPathItemButton.h
* /opt/cola/permits/1125758851_1613553092.69/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/Example/Example/AppDelegate.m
* /opt/cola/permits/1125758851_1613553092.69/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-
The DCPathButton use the MIT license

//  Copyright (c) 2015 DC. All rights reserved.
s.name = "DCPathButton"
s.version = "2.1.1"
s.summary = "A beautiful button copy from Path®"

s.description = <<-DESC
DCPathButton is a menu button, design by an famous App Path®. Since Path® 4.0, it return to use a tab bar instead of a side bar, and also change the menu button. So I try to implement it and then the DCPathButton born :)  
DESC

s.homepage = "https://github.com/Tangdixi/DCPathButton"

s.license = {
:type => 'MIT',
:text => 'The DCPathButton use the MIT license'
}

s.author = { "Tangdixi" => "Tangdixi@gmail.com" }

s.platform = :ios, '7.0'

s.source = {
:git => "https://github.com/Tangdixi/DCPathButton.git",
:tag => "2.1.1"
}

s.source_files = 'DCPathButton/Classes/*.{h,m}'

s.resources = ['DCPathButton/Sounds/*']

s.frameworks = ['QuartzCore','AudioToolbox']

s.requires_arc = true
end

Found in path(s):
* /opt/cola/permits/1125758851_1613553092.69/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/DCPathButton.podspec

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* /opt/cola/permits/1125758851_1613553092.69/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/README.md

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* /opt/cola/permits/1125758851_1613553092.69/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/Example/Example/BarButtonItemViewController.m

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1.1230 npmcli-ci-detect 1.3.0

1.1230.1 Available under license:

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1.1231 keyutils 1.6-6

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librdkafka - Apache Kafka C driver library

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1.1239 infra 7.0.0-alpha1

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### 1.1260 mem 4.0.0

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1.1261 fdisk 2.23.2
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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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Version 2, June 1991

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Initialize empty image
f1c9645dbc14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57c721e38d1266c2df055067c18f2cf9 bsd.img

---layout--------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

<table>
<thead>
<tr>
<th>Device</th>
<th>Boot</th>
<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></td>
<td>2048</td>
<td>4095</td>
<td>1024</td>
<td>83</td>
<td>Linux</td>
</tr>
</tbody>
</table>

Create 1st primary partition
ada64ace122978d00d1d1c0e5ee45d26 bsd.img

---layout-------
__ts_dev__ : 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

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</thead>
<tbody>
<tr>
<td>__ts_dev__1</td>
<td></td>
<td>2048</td>
<td>4095</td>
<td>1024</td>
<td>83</td>
<td>Linux</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Device</th>
<th>Boot</th>
<th>Start</th>
<th>End</th>
<th>Blocks</th>
<th>Id</th>
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</tr>
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<tr>
<td>__ts_dev__1</td>
<td></td>
<td>2048</td>
<td>4095</td>
<td>1024</td>
<td>83</td>
<td>Linux</td>
</tr>
<tr>
<td>__ts_dev__2</td>
<td></td>
<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  [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):

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  [fsise 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
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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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1.1271 @babel/helper-get-function-arity

7.12.13

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1.1273 qpid-proton-j-extensions 1.1.0

1.1274 voluptuous 0.11.7

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1.1275 babel-plugin-transform-flow-strip-types 6.22.0
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1.1276 knz-strtime v0.0.0-20200318182718-be999391ffa9

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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5.jar/com/google/common/collect/WellBehavedMap.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5.jar/com/google/common/util/concurrent/ForwardingFutureFactory.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5.jar/com/google/common/base/Optional.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5.jar/com/google/common/util/concurrent/ForwardingCheckedFuture.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5.jar/com/google/common/base/Ticker.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5.jar/com/google/common/util/concurrent/AtomicLongMap.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5.jar/com/google/common/util/concurrent/FutureCallback.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5.jar/com/google/common/reflect/TypeParameter.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5.jar/com/google/common/collect/GwtTransient.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5.jar/com/google/common/util/concurrent/CycleDetectingLockFactory.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5.jar/com/google/common/net/HostAndPort.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5.jar/com/google/common/collect/GwtTransient.java
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jar/com/google/common/collect/AbstractRangeSet.java
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jar/com/google/common/collect/RangeSet.java
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jar/com/google/common/primitives/ParseRequest.java
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jar/com/google/common/collect/ImmutableSortedMultiset.java
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jar/com/google/common/primitives/UnsignedLongs.java
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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collection/Table.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collection/RegularImmutableBiMap.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collection/FluentIterable.java
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1.1301 opensaml-messaging-impl 3.3.0

1.1302 qs 6.5.2

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1.1304 angular-sanitize 1.6.5

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1.1306 init-system-helpers 1.48

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1.1311 cpp 8.3.0-6

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That's all there is to it!

1.1315 jsp 5.5.12
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1.1316 curl 7.52.1-5+deb9u10

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License Mixing

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

libcurl can be built to use a fair amount of various third party libraries,
libraries that are written and provided by other parties that are distributed
using their own licenses. Even libcurl itself contains code that may cause
problems to some. This document attempts to describe what licenses libcurl and
the other libraries use and what possible dilemmas linking and mixing them all
can lead to for end users.
I am not a lawyer and this is not legal advice!

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## zlib

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## MIT Kerberos

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1.1317 fuse 2.9.2 11.el7

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Eclipse

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

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

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

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Oracle

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

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

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Oracle OpenJDK

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

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html
The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

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

The following artifacts are ASL2 licensed.

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

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

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

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

The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas
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1.1327 d3-scale 2.0.0
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1.1328 core-module 1.2.3
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1.1330 cockroachdb-sentry-go v0.6.1-cockroachdb.2

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1.1331 jetty-http 9.4.11.v20180605

1.1332 apollo-link-http-common 0.2.4

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1.1333 electron-to-chromium 1.3.723

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1.1335 geojson-area 0.2.1

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1.1336 turf-within 3.0.12

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1.1337 python-setuptools 44.1.1
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1.1338 react-router-breadcrumbs-hoc 1.1.2
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**1.1341 bl 4.0.3**

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Eclipse

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

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

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Oracle

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

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

------
Oracle OpenJDK

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

* java.sun.security.ssl

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

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OW2

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

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

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Apache
The following artifacts are ASL2 licensed.

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

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MortBay

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

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

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

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.1353 **intl-relativeformat 2.1.0**

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1.1355 pyyaml 3.10 11.el7

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1.1356 nspr 4.24-r0

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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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1.1361 nghttp 1.40.0-r0

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1.1362 `logstash-output-webhdfs 3.0.6`

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1.1367 ammo 3.0.3

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1.1375 to-regex-range 2.1.1

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1.1376 vega-view-transforms 1.2.1

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1.1386 babel-helper-get-function-arity 6.24.1

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1.1388 browserify-aes 1.1.1

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1.1390 jruby 9.2.7.0
1.1391 iferr 1.0.2-1

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1.1392 json-cpp 1.9.1

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1.1393 jre 11.0.12+7-2
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Forwarded: no
--- a/make/jdk/src/classes/build/tools/cldrconverter/CopyrightHeaders.java
+++ b/make/jdk/src/classes/build/tools/cldrconverter/CopyrightHeaders.java
@@ -26,6 +26,7 @@
package build.tools.cldrconverter;

import java.util.Calendar;
+import java.util.Date;
import java.util.GregorianCalendar;
import java.util.Locale;
import java.util.TimeZone;
@@ -150,8 +151,14 @@
    }
}

private static int getYear() {
    return new GregorianCalendar(TimeZone.getTimeZone("America/Los_Angeles"),
        Locale.US).get(Calendar.YEAR);
+   Date date = new Date();
+   if (System.getenv("SOURCE_DATE_EPOCH") != null) {
+       date = new Date(1000 * Long.valueOf(System.getenv("SOURCE_DATE_EPOCH")));
+   }
+   GregorianCalendar calendar = new GregorianCalendar(TimeZone.getTimeZone("UTC"), Locale.ENGLISH);
+   calendar.setTime(date);
+   return calendar.get(Calendar.YEAR);
}

// no instantiation
--- a/make/jdk/src/classes/build/tools/generatelsrequivmaps/EquivMapsGenerator.java
+++ b/make/jdk/src/classes/build/tools/generatelsrequivmaps/EquivMapsGenerator.java
@@ -34,9 +34,13 @@
import java.time.ZonedDateTime;
import java.util.ArrayList;
import java.util.Arrays;
+import java.util.Calendar;
+import java.util.Date;
import java.util.List;
import java.util.Locale;
+import java.util.TimeZone;
import java.util.Map;
import java.util.stream.Collectors;
@@ -246,8 +250,15 @@
    
    private static String getOpenJDKCopyright() {
        int year = ZonedDateTime.now(ZoneId.of("America/Los_Angeles")).getYear();
Date date = new Date();
if (System.getenv("SOURCE_DATE_EPOCH") != null) {
    date = new Date(1000 * Long.valueOf(System.getenv("SOURCE_DATE_EPOCH")));
}

GregorianCalendar calendar = new GregorianCalendar(TimeZone.getTimeZone("UTC"), Locale.ENGLISH);
calendar.setTime(date);

int year = calendar.get(Calendar.YEAR);
return String.format(Locale.US, COPYRIGHT, year);
}

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888       8   888   .d88'    Y888..8P
888       8   888ooo88P'      `8888'
888       8   888        .8PY888.
`88.    .8'   888           d8'  `888b
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 */
/**
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package datatypes

// no documentation yet
type Legal_RegulatedWorkload struct {
    Entity

    // no documentation yet
    Account *Account `json:"account,omitempty" xmlrpc:"account,omitempty"

    // no documentation yet
    AccountId *int `json:"accountId,omitempty" xmlrpc:"accountId,omitempty"

    // no documentation yet
    EnabledFlag *bool `json:"enabledFlag,omitempty" xmlrpc:"enabledFlag,omitempty"

    // no documentation yet
    Id *int `json:"id,omitempty" xmlrpc:"id,omitempty"

    // no documentation yet
    Type *Legal_RegulatedWorkload_Type `json:"type,omitempty" xmlrpc:"type,omitempty"

    // no documentation yet
    WorkloadTypeId *int `json:"workloadTypeId,omitempty" xmlrpc:"workloadTypeId,omitempty"
}

// no documentation yet
type Legal_RegulatedWorkload_Type struct {
    Entity

    // no documentation yet
    Id *int `json:"id,omitempty" xmlrpc:"id,omitempty"

    // no documentation yet
    KeyName *string `json:"keyName,omitempty" xmlrpc:"keyName,omitempty"

    // no documentation yet
    Name *string `json:"name,omitempty" xmlrpc:"name,omitempty"
}

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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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1.1411 aws4 1.11.0

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1.1412 pcre2 10.32-5

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THE BASIC LIBRARY FUNCTIONS

Written by: Philip Hazel
Email local part: ph10
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1.1413 is-accessor-descriptor 0.1.6

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1.1414 st4 4.0.8

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*/

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* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-
  jar/org/stringtemplate/v4/misc/TypeRegistry.java
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-
  jar/org/stringtemplate/v4/misc/AmbiguousMatchException.java

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/** Build an AST from a single StringTemplate template */
parser grammar STParser;

options {
  language=Java;
  tokenVocab=STLexer;
  TokenLabelType=CommonToken;
  output=AST;
  ASTLabelType=CommonTree;
}

tokens {
  EXPR; OPTIONS; PROP; PROP_IND; INCLUDE; INCLUDE_IND; EXEC_FUNC; INCLUDE_SUPER;
  INCLUDE_SUPER_REGION; INCLUDE_REGION; TO_STR; LIST; MAP; ZIP; SUBTEMPLATE; ARGS;
  ELEMENTS; REGION; NULL; INDENTED_EXPR;
}

@header {
  package org.stringtemplate.v4.compiler;
  import org.stringtemplate.v4.misc.ErrorManager;
  import org.stringtemplate.v4.misc.ErrorType;
}

@members {
  ErrorManager errMgr;
  Token templateToken;
  public STParser(TokenStream input, ErrorManager errMgr, Token templateToken) {
    this(input);
    this.errMgr = errMgr;
    this.templateToken = templateToken;
  }
  @Override
  protected Object recoverFromMismatchedToken(IntStream input, int ttype, BitSet follow)
  throws RecognitionException
  {
    throw new MismatchedTokenException(ttype, input);
  }
}

@rulecatch {

}
catch (RecognitionException re) { throw re; }
}

templateAndEOF : template EOF -> template? ;

template : element* ;

element :
  {input.LT(1).getCharPositionInLine()==0}? INDENT? COMMENT NEWLINE -> // throw away
  | INDENT singleElement -> ^(INDENTED_EXPR INDENT singleElement?) // singleElement is optional to handle error returning nil
  | singleElement
  | compoundElement
  ;

singleElement :
  exprTag
  | TEXT
  | NEWLINE
  | COMMENT! // throw away
  ;

compoundElement :
  ifstat
  | region
  ;

exprTag :
  LDELIM expr ( ';' exprOptions )? RDELIM
  -> ^(EXPR[$LDELIM,"EXPR"] expr exprOptions?)
  ;

region @init {Token indent=null;}
  :i=INDENT? x=LDELIM '@' ID RDELIM {if (input.LA(1)!=NEWLINE) indent=$i;}
  template
  INDENT? LDELIM '@end' RDELIM
  // kill \n for <@end> on line by itself if multi-line embedded region
  ({$region.start.getLine()!==input.LT(1).getLine()}?=> NEWLINE)?
  -> {indent!=null}?
    ^(INDENTED_EXPR $i ^(REGION[$x] ID template?))
  -> ^(REGION[$x] ID template?)
  ;

subtemplate :
  lc='{' (ids+= ID ( ',' ids+= ID )? )? template INDENT? '}'
  // ignore final INDENT before } as it's not part of outer indent
  -> ^(SUBTEMPLATE[$lc,"SUBTEMPLATE"] ^(ARGS $ids)* template?)
ifstat
@init {Token indent=null;}
:=INDENT? LDELIM 'if' '(' c1=conditional ')' RDELIM {if (input.LA(1)!=NEWLINE) indent=$i;}
t1=template
( INDENT? LDELIM 'elseif' '(' c2+=conditional ')' RDELIM t2+=template )*
( INDENT? LDELIM 'else' RDELIM t3=template )?
INDENT? endif= LDELIM 'endif'
RDELIM
// kill \n for <endif> on line by itself if multi-line IF
({$ifstat.start.getLine()!=$input.LT(1).getLine()}?=> NEWLINE)?
-> {indent!=null}?
  ^(INDENTED_EXPR $i ^('if' $c1 $t1? ^('elseif' $c2 $t2)* ^('else' $t3?)?))
-> ^('if' $c1 $t1? ^('elseif' $c2 $t2)* ^('else' $t3?)?)
;

conditional
scope {
  boolean inside;
}
: andConditional ( '||'^ andConditional )*
;

andConditional : notConditional ( '&&'^ notConditional )* ;

notConditional :
':!'^ notConditional

|memberExpr
;

notConditionalExpr :
<ID->ID)
(p='.' prop=ID-> ^([PROP[$p,"PROP"] $notConditionalExpr $prop])
|p='.' (' mapExpr ')-> ^([PROP_IND[$p,"PROP_IND"] $notConditionalExpr mapExpr])
)*
;

exprOptions : option ( ',' option )* -> ^(OPTIONS option*) ;

option
@init {
String id = input.LT(1).getText();
String defVal = Compiler.defaultOptionValues.get(id);
boolean validOption = Compiler.supportedOptions.get(id)!=null;
}
:id

if (!validOption) {
    errMgr.compileTimeError(ErrorType.NO_SUCH_OPTION, templateToken, $ID, $ID.text);
}

if (defVal==null) {
    errMgr.compileTimeError(ErrorType.NO_DEFAULT_VALUE, templateToken, $ID);
}

-> {validOption&&defVal!=null}?
  ^(EQUALS["="] ID STRING[$ID,""+defVal+""])
->
)

exprNoComma
:memberExpr
( ':' mapTemplateRef-> ^(MAP memberExpr mapTemplateRef)
|-> memberExpr
)
;

expr : mapExpr ;

// more complicated than necessary to avoid backtracking, which ruins
// error handling
mapExpr
 :memberExpr
  ( (c=',' memberExpr)+ col=':' mapTemplateRef
     -> ^(ZIP[$col] ^(ELEMENTS memberExpr+) mapTemplateRef)
      |-> memberExpr
  )
  (if ($x!=null) $x.clear();) // don't keep queueing x; new list for each iteration
  col=':' x+=mapTemplateRef ({$c==null}?=> ',' x+=mapTemplateRef )*
  -> ^(MAP[$col] $mapExpr $x+)
)*
;

/*
expr:template(args) apply template to expr
expr:{arg | ...} apply subtemplate to expr
expr:(e)(args) convert e to a string template name and apply to expr
*/
mapTemplateRef
:ID '(' args ')' -> ^(INCLUDE ID args?)
|subtemplate
[lp='(' mapExpr rp=')' (' argExprList? ')'] -> ^(INCLUDE_IND mapExpr argExprList?)

memberExpr
:=(includeExpr->includeExpr)

(p='.' ID-> ^(PROP[$p,"PROP"] $memberExpr ID)
|p='.' (' mapExpr ')-> ^(PROP_IND[$p,"PROP_IND"] $memberExpr mapExpr)
)*

includeExpr
:options {k=2;} // prevent full LL(*), which fails, falling back on k=1; need k=2
:{Compiler.funcs.containsKey(input.LT(1).getText())}? // predefined function
ID (' expr? ')-> ^(EXEC_FUNC ID expr?)
[super ' ' ID (' args ')]-> ^(INCLUDE_SUPER ID args?)
[ID (' args ')]-> ^(INCLUDE ID args?)
[@' super ' 'ID ( rp=')']-> ^(INCLUDE_SUPER_REGION ID)
[@' ID ( rp=')']-> ^(INCLUDE_REGION ID)
|primary
;

class primary
:ID
|STRING
|TRUE
|FALSE
|subtemplate
|list
|[${conditional.size()>0}?=>  '(' ! conditional ')'! ]
|[${conditional.size()==0}?=> lp='(' expr ')'
 (' argExprList? ')' -> ^(INCLUDE_IND[$lp] expr argExprList?)
|-> ^(TO_STR[$lp] expr)
);

args:argExprList
|namedArg ( ',' namedArg )*( ',' '...')? -> namedArg+ '...'? 
| '...' 
|
;

argExprList : arg ( ',' arg )* -> arg+ ;

arg : exprNoComma ;

namedArg : ID '=' arg -> ^(= ID arg) ;

list:{input.LA(2)==RBRACK}? // hush warning: [] special case
lb='[ ' ]' -> LIST[$lb]
[lbe='[ ' listElement ( ', ' listElement )* ' ]' -> ^(LIST[$lb] listElement*)
;

listElement : exprNoComma | -> NULL ;

Found in path(s):
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-
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 */

tree grammar CodeGenerator;

options {
    language=Java;
    tokenVocab=STParser;
    ASTLableType=CommonTree;
}

//@header {
package org.stringtemplate.v4.compiler;
import org.stringtemplate.v4.misc.*;
import org.stringtemplate.v4.*;
}

@members {
String outermostTemplateName; // name of overall template
CompiledST outermostImpl;
Token templateToken; // overall template token
String template; // overall template text
ErrorManager errMgr;

public CodeGenerator(TreeNodeStream input, ErrorManager errMgr, String name, String template, Token templateToken) {
this(input, new RecognizerSharedState());
this.errMgr = errMgr;
this.outermostTemplateName = name;
this.template = template;
this.templateToken = templateToken;
}

// convenience funcs to hide offensive sending of emit messages to
public void emit1(CommonTree opAST, short opcode, int arg) {
    $template::state.emit1(opAST, opcode, arg);
}
public void emit1(CommonTree opAST, short opcode, String arg) {
    $template::state.emit1(opAST, opcode, arg);
}
public void emit2(CommonTree opAST, short opcode, int arg, int arg2) {
    $template::state.emit2(opAST, opcode, arg, arg2);
}
public void emit2(CommonTree opAST, short opcode, String s, int arg2) {
    $template::state.emit2(opAST, opcode, s, arg2);
}
    public void emit(CommonTree opAST, short opcode) {
        $template::state.emit(opAST, opcode);
    }
public void insert(int addr, short opcode, String s) {
    $template::state.insert(addr, opcode, s);
}
public void setOption(CommonTree id) {
    $template::state.setOption(id);
}
public void write(int addr, short value) {
    $template::state.write(addr, value);
}
public int address() { return $template::state.ip; }
public void func(CommonTree id) { $template::state.func(templateToken, id); }
public void refAttr(CommonTree id) { $template::state.refAttr(templateToken, id); }
public int defineString(String s) { return $template::state.defineString(s); }
}

templateAndEOF : template[null,null] EOF; // hush warning; ignore

template[String name, List<FormalArgument> args] returns [CompiledST impl]
scope {
    CompilationState state; // automatically get a new state pointer per invocation
}
@init {
    $template::state = new CompilationState(errMgr, name, input.getTokenStream());
    $impl = $template::state.impl;
    if ( $template.size() == 1 ) outermostImpl = $impl;
    $impl.defineFormalArgs(args); // make sure args are defined prior to compilation
    if ( name!=null && name.startsWith(Compiler.SUBTEMPLATE_PREFIX) ) {
        $impl.addArg(new FormalArgument("i"));
        $impl.addArg(new FormalArgument("i0"));
    }
    $impl.template = template; // always forget the entire template; char indexes are relative to it
chunk
{ // finish off the CompiledST result
    if ( $template::state.stringtable!=null ) $impl.strings = $template::state.stringtable.toArray();
    $impl.codeSize = $template::state.ip;
}

chunk
element*
;

element
:^{INDENTED_EXPR INDENT compoundElement[$INDENT]} // ignore indent in front of IF and region blocks
    [compoundElement[null]
    |:^{INDENTED_EXPR INDENT {Template::state.indent($INDENT);} singleElement
        {$template::state.emit(Bytecode.INSTR_DEDENT);})
    ]singleElement
;

singleElement
eexprElement

[TEXT
{
    if ( $TEXT.text.length()>0 ) {
        emit1($TEXT,Bytecode.INSTR_WRITE_STR, $TEXT.text);
    }
}
]

[NEWLINE {emit($NEWLINE, Bytecode.INSTR_NEWLINE);}]

compoundElement[CommonTree indent]
:ifstat[indent]
|region[indent]
;

eexprElement
@init { short op = Bytecode.INSTR_WRITE; }
:^{ EXPR expr (exprOptions {op=Bytecode.INSTR_WRITE_OPT;})? )
{ /*
CompilationState state = $template::state;
CompiledST impl = state.impl;
if ( impl.instrs[ state.ip-1 ] == Bytecode.INSTR_LOAD_LOCAL ) {
impl.instrs[ state.ip-1 ] = Bytecode.INSTR_WRITE_LOCAL;
} else {
emit($EXPR, op);
}
*/
emit($EXPR, op);
;

region[CommonTree indent] returns [String name]
@init {
if ( indent!=null ) $template::state.indent(indent);
}
@after {
if ( indent!=null ) $template::state.emit(Bytecode.INSTR_DEDENT);
}
:^{REGION ID
{$name = STGroup.getMangledRegionName(outermostTemplateName, $ID.text);}
template[$name,null]
{
CompiledST sub = $template.impl;
sub.isRegion = true;
sub.regionDefType = ST.RegionType.EMBEDDED;
sub.templateDefStartToken = $ID.token;
//sub.dump();
outermostImpl.addImplicitlyDefinedTemplate(sub);
emit2($start, Bytecode.INSTR_NEW, $region.name, 0);
emit($start, Bytecode.INSTR_WRITE);
}
}

subtemplate returns [String name, int nargs]
@init {
    $name = Compiler.getNewSubtemplateName();
List/FormalArgument args = new ArrayList/FormalArgument();
}
:^{SUBTEMPLATE
(^ARGS (ID {args.add(new FormalArgument($ID.text));})+))*
{$nargs = args.size();}
template[$name,args]
{
CompiledST sub = $template.impl;
sub.isAnonSubtemplate = true;
    sub.templateDefStartToken = $SUBTEMPLATE.token;
    sub.ast = $SUBTEMPLATE;
    sub.ast.setUnknownTokenBoundaries();
    sub.tokens = input.getTokenStream();
//sub.dump();
outermostImpl.addImplicitlyDefinedTemplate(sub);
CompiledST sub = new CompiledST();
sub.name = $name;
sub.template = "$";
sub.addArg(new FormalArgument("i"));
sub.addArg(new FormalArgument("i0"));
sub.isAnonSubtemplate = true;
sub.templateDefStartToken = $SUBTEMPLATE.token;
sub.ast = $SUBTEMPLATE;
sub.ast.setUnknownTokenBoundaries();
sub.tokens = input.getTokenStream();
//sub.dump();
outermostImpl.addImplicitlyDefinedTemplate(sub);
}

ifstat[CommonTree indent]
@init {
/** Tracks address of branch operand (in code block). It's how
 * we backpatch forward references when generating code for IFs.
 */
int prevBranchOperand = -1;
/** Branch instruction operands that are forward refs to end of IF.
 * We need to update them once we see the endif.
 */
List<Integer> endRefs = new ArrayList<Integer>();
if ( indent!=null ) $template::state.indent(indent);
}
@after {
if ( indent!=null ) $template::state.emit(Bytecode.INSTR_DEDENT);
}
:^{ (**i='if' conditional
{
    prevBranchOperand = address()+1;
    emit1($i,Bytecode.INSTR_BRF,-1); // write placeholder as branch target
}
chunk
(^*eil='elseif'
{
endRefs.add(address()+1);
emit1($eif,Bytecode.INSTR_BR,-1); // br end
// update previous branch instruction
write(prevBranchOperand, (short)address());
prevBranchOperand = -1;
}
ec=conditional
{
    prevBranchOperand = address()+1;
    // write placeholder as branch target
    emit1($ec.start, Bytecode.INSTR_BRF, -1);
}
chunk
)
)*
(^el='else'
{
    endRefs.add(address()+1);
    emit1($el, Bytecode.INSTR_BR, -1); // br end
    // update previous branch instruction
    write(prevBranchOperand, (short)address());
    prevBranchOperand = -1;
}
chunk
)
)?
)
{
if ( prevBranchOperand>0 ) {
    write(prevBranchOperand, (short)address());
}
    for (int opnd : endRefs) write(opnd, (short)address());
}
;

conditional
:^<OR conditional conditional> {emit($OR, Bytecode.INSTR_OR);}
|^<AND conditional conditional> {emit($AND, Bytecode.INSTR_AND);}
|^<BANG conditional> {emit($BANG, Bytecode.INSTR_NOT);}
|<expr> // not all expr are valid, but reuse code gen (parser restricts syntax)
;

exprOptions : {emit($start, Bytecode.INSTR_OPTIONS);} ^(OPTIONS option*) ;

option : ^<=' ID expr> {setOption($ID);} ;

expr
@init {int nt = 0, ne = 0;}
:^<ZIP ^ELEMENTS (expr {ne++;})+ mapTemplateRef[ne]>
{emit1($ZIP, Bytecode.INSTR_ZIP_MAP, ne);}
|^<MAP expr (mapTemplateRef[1] {nt++;})+>
{
    if (nt>1) emit1($MAP, nt>1?Bytecode.INSTR_ROT_MAP:Bytecode.INSTR_MAP, nt);
else emit($MAP, Bytecode.INSTR_MAP);
if ( $args.namedArgs ) emit1($INCLUDE, Bytecode.INSTR_NEW_BOX_ARGS, $ID.text);
else emit2($INCLUDE, Bytecode.INSTR_NEW, $ID.text, $args.n);
}
^(INCLUDE_SUPER ID args)
{
if ( $args.passThru ) emit1($start, Bytecode.INSTR_PASSTHRU, $ID.text);
if ( $args.namedArgs ) emit1($INCLUDE_SUPER, Bytecode.INSTR_SUPER_NEW_BOX_ARGS, $ID.text);
else emit2($INCLUDE_SUPER, Bytecode.INSTR_SUPER_NEW, $ID.text, $args.n);
}
^(INCLUDE_REGION ID){
CompiledST impl = Compiler.defineBlankRegion(outermostImpl, $ID.token);
//impl.dump();
emit2($INCLUDE_REGION,Bytecode.INSTR_NEW,impl.name,0);
}
^(INCLUDE_SUPER_REGION ID){
String mangled = STGroup.getMangledRegionName(outermostImpl.name, $ID.text);
emit2($INCLUDE_SUPER_REGION,Bytecode.INSTR_SUPER_NEW,mangled,0);
}
primary
:
ID{refAttr($ID);}
[STRING]{emit1($STRING,Bytecode.INSTR_LOAD_STR, Misc.strip($STRING.text,1));}
[TRUE]{emit($TRUE, Bytecode.INSTR_TRUE);}
[FALSE]{emit($FALSE, Bytecode.INSTR_FALSE);}
[subtemplate// push a subtemplate but ignore args since we can't pass any to it here
    {emit2($start,Bytecode.INSTR_NEW, $subtemplate.name, 0);}]
[list]
^(INCLUDE_IND
expr {emit($INCLUDE_IND, Bytecode.INSTR_TOSTR);}]
args {emit1($INCLUDE_IND, Bytecode.INSTR_NEW_IND, $args.n);}
)
^(TO_STR expr){emit($TO_STR, Bytecode.INSTR_TOSTR);}
;
arg : expr ;
args returns [int n=0, boolean namedArgs=false, boolean passThru]
  : (arg {n++;})+
  | (emit($args.start, Bytecode.INSTR_ARGS); $namedArgs=true;)
  | (*^(eq='=' ID expr)
     {$n++; emit1(Seq, Bytecode.INSTR_STORE_ARG, defineString($ID.text));}
  )+
  | ('...' {passThru=true; })?
       | '...' {passThru=true; emit($args.start, Bytecode.INSTR_ARGS); $namedArgs=true;}
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 */

grammar Group;

options {
    language=Java;
}

tokens {

list: {emit($start, Bytecode.INSTR_LIST);}
^ (LIST (listElement {emit($listElement.start, Bytecode.INSTR_ADD);})* )

listElement: expr | NULL {emit($NULL, Bytecode.INSTR_NULL);};

Found in path(s):
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/compiler/CodeGenerator.g
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 */
TRUE='true'; FALSE='false'; LBRACK='['; RBRACK=']';

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*/
package org.stringtemplate.v4.compiler;

import java.util.Collections;
import java.util.Map;
import java.util.HashMap;
import java.util.List;
import java.util.ArrayList;
import org.stringtemplate.v4.misc.*/
import org.stringtemplate.v4.*;
import java.io.File;
}

@lexer::header {
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import java.util.Collections;
import java.util.Map;
import java.util.HashMap;
import java.util.List;
import java.util.ArrayList;
import org.stringtemplate.v4.misc.*;
import org.stringtemplate.v4.*;
import java.io.File;
}
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*/
package org.stringtemplate.v4.compiler;
import org.stringtemplate.v4 *
import org.stringtemplate.v4.misc *
import java.io.File {

@members {
    public STGroup group;

    @Override
    public void displayRecognitionError(String[] tokenNames,
            RecognitionException e)
    {
        String msg = getErrorMessage(e, tokenNames);
        group.errMgr.groupSyntaxError(ErrorType.SYNTAX_ERROR, getSourceName(), e, msg);
    }

    @Override
    public String getSourceName() {
        String fullFileName = super.getSourceName();
        File f = new File(fullFileName); // strip to simple name
        return f.getName();
    }

    public void error(String msg) {
        NoViableAltException e = new NoViableAltException("", 0, 0, input);
        group.errMgr.groupSyntaxError(ErrorType.SYNTAX_ERROR, getSourceName(), e, msg);
    }
}
recover(input, null);
}
}

@lexer::members {
public STGroup group;

@Override
public void reportError(RecognitionException e) {
    String msg = null;
    if ( e instanceof NoViableAltException ) {
        msg = "invalid character "+(char)input.LA(1)+"";
    }
    else if ( e instanceof MismatchedTokenException && ((MismatchedTokenException)e).expecting=="" ) {
        msg = "unterminated string";
    }
    else {
        msg = getErrorMessage(e, getTokenNames());
    }
    group.errMgr.groupSyntaxError(ErrorType.SYNTAX_ERROR, getSourceName(), e, msg);
}

@Override
public String getSourceName() {
    String fullFileName = super.getSourceName();
    File f = new File(fullFileName); // strip to simple name
    return f.getName();
}
}

group[STGroup group, String prefix]
@init {
    GroupLexer lexer = (GroupLexer)input.getTokenSource();
    this.group = lexer.group = $group;
}
:oldStyleHeader?
    delimiters?
    (\'import\' STRING {group.importTemplates($STRING);})\n    \'import\' // common error: name not in string
    \'\'
    MismatchedTokenException e = new MismatchedTokenException(STRING, input);
    reportError(e);
    ID (\.' ID)* // might be a.b.c.d
)*
def[prefix]*
EOF
groupName returns [String name]
@init {StringBuilder buf = new StringBuilder();}
: a=ID {buf.append($a.text);} ('.' a=ID {buf.append($a.text);})*
;

delimiters
: 'delimiters' a=STRING ',' b=STRING
{
    group.delimiterStartChar=$a.getText().charAt(1);
    group.delimiterStopChar=$b.getText().charAt(1);
}
;
/** Match template and dictionary defs outside of (...)+ loop in group.
 * The key is catching while still in the loop; must keep prediction of
 * elements separate from "stay in loop" prediction.
 */
def[String prefix] : templateDef[prefix] | dictDef ;
catch[RecognitionException re] {
    // pretend we already saw an error here
    state.lastErrorIndex = input.index();
    error("garbled template definition starting at "+input.LT(1).getText()+""");
}

templateDef[String prefix]
@init {
    String template=null;
    int n=0; // num char to strip from left, right of template def
}
: ('@' enclosing=ID '.' name=ID '(' ')'
| name=ID '(' formalArgs ')' 
| 
'::='
{Token templateToken = input.LT(1);}
(STRING    {template=$STRING.text; n=1;}
|BIGSTRING  {template=$BIGSTRING.text; n=2;}
|BIGSTRING_NO_NL  {template=$BIGSTRING_NO_NL.text; n=2;}
|[
    template = "";
    String msg = "missing template at "+input.LT(1).getText()+""";
    NoViableAltException e = new NoViableAltException("", 0, 0, input);
    group.errMgr.groupSyntaxError(ErrorType.SYNTAX_ERROR, getSourceName(), e, msg);
if ( $name.index >= 0 ) { // if ID missing
template = Misc.strip(template, n);
String templateName = $name.text;
if ( prefix.length()>0 ) templateName = prefix+$name.text;
String enclosingTemplateName = $enclosing.text;
if (enclosingTemplateName != null && enclosingTemplateName.length()>0 && prefix.length()>0) {
    enclosingTemplateName = prefix + enclosingTemplateName;
}
group.defineTemplateOrRegion(templateName, enclosingTemplateName, templateToken,
template, $name, $formalArgs.args);
}

|   alias=ID '::=' target=ID  {group.defineTemplateAlias($alias, $target);}
|
formalArgs returns[ List<FormalArgument> args = new ArrayList<FormalArgument>() ]
scope {
    boolean hasOptionalParameter;
}  
@init { $formalArgs::hasOptionalParameter = false; }
:formalArg[$args] (',' formalArg[$args])*  
|  
formalArg[ List<FormalArgument> args ] :ID
  ('=' a=(STRING|ANONYMOUS_TEMPLATE|'true'|'false') {$formalArgs::hasOptionalParameter = true;})
  ['=' a='[' ']'] { $formalArgs::hasOptionalParameter = true; }
  |
  if ($formalArgs::hasOptionalParameter) {
group.errMgr.compileTimeError(ErrorType.REQUIRED_PARAMETER_AFTER_OPTIONAL,
    null, $ID);
}
}

[$args.add(new FormalArgument($ID.text, $a));]
*/

suffix returns [ int cardinality=FormalArgument.REQUIRED ]
  :  OPTIONAL
  |  STAR
  |  PLUS
  |  

dictDef :ID '::=' dict {
    if ( group.rawGetDictionary($ID.text)!=null ) {
        group.errMgr.compileTimeError(ErrorType.MAP_REDEFINITION, null, $ID);
    } else if ( group.rawGetTemplate($ID.text)!=null ) {
        group.errMgr.compileTimeError(ErrorType TEMPLATE_REDEFINITION_AS_MAP, null, $ID);
    } else {
        group.defineDictionary($ID.text, $dict.mapping);
    }
}

dict returns [Map<String, Object> mapping]
@init {mapping=new HashMap<String, Object>();}
: [' dictPairs[mapping] ']


dictPairs[Map<String, Object> mapping]
:keyValuePair[mapping]
 (', ' keyValuePair[mapping])* (' , defaultValuePair[mapping])?
 [defaultValuePair[mapping]
 :
 catch[RecognitionException re] {
     error("missing dictionary entry at "+input.LT(1).getText()+");
 }

defaultValuePair[Map<String, Object> mapping]
 : 'default' ':' keyValue {mapping.put(STGroup.DEFAULT_KEY, $keyValue.value);}


keyValuePair[Map<String, Object> mapping]
 : STRING ':' keyValue {mapping.put(Misc.replaceEscapes(Misc.strip($STRING.text, 1)), $keyValue.value);}

keyValue returns [Object value]
 : BIGSTRING {$value = group.createSingleton($BIGSTRING);}
 [BIGSTRING_NO_NL {$value = group.createSingleton($BIGSTRING_NO_NL);}
 [ANONYMOUS TEMPLATE] {$value = group.createSingleton($ANONYMOUS TEMPLATE);}
 [STRING {$value = Misc.replaceEscapes(Misc.strip($STRING.text, 1));}
 [TRUE {$value = true;}
 [FALSE {$value = false;}
 ["" ] {$value = Collections.emptyList();}

\(/\* 

dictDef
:ID '::=' dict {
    if ( group.rawGetDictionary($ID.text)!=null ) {
        group.errMgr.compileTimeError(ErrorType.MAP_REDEFINITION, null, $ID);
    } else if ( group.rawGetTemplate($ID.text)!=null ) {
        group.errMgr.compileTimeError(ErrorType TEMPLATE_REDEFINITION_AS_MAP, null, $ID);
    } else {
        group.defineDictionary($ID.text, $dict.mapping);
    }
}

dict returns [Map<String, Object> mapping]
@init {mapping=new HashMap<String, Object>();}
: [' dictPairs[mapping] ']


dictPairs[Map<String, Object> mapping]
:keyValuePair[mapping]
 (', ' keyValuePair[mapping])* (' , defaultValuePair[mapping])?
 [defaultValuePair[mapping]
 :
 catch[RecognitionException re] {
     error("missing dictionary entry at "+input.LT(1).getText()+");
 }

defaultValuePair[Map<String, Object> mapping]
 : 'default' ':' keyValue {mapping.put(STGroup.DEFAULT_KEY, $keyValue.value);}


keyValuePair[Map<String, Object> mapping]
 : STRING ':' keyValue {mapping.put(Misc.replaceEscapes(Misc.strip($STRING.text, 1)), $keyValue.value);}

keyValue returns [Object value]
 : BIGSTRING {$value = group.createSingleton($BIGSTRING);}
 [BIGSTRING_NO_NL {$value = group.createSingleton($BIGSTRING_NO_NL);}
 [ANONYMOUS TEMPLATE] {$value = group.createSingleton($ANONYMOUS TEMPLATE);}
 [STRING {$value = Misc.replaceEscapes(Misc.strip($STRING.text, 1));}
 [TRUE {$value = true;}
 [FALSE {$value = false;}
 ["" ] {$value = Collections.emptyList();}

\(/\*
```java
${value = STGroup.DICT_KEY};
catch[RecognitionException re] {
    error("missing value for key at "+input.LT(1).getText()+"");
}

ID:('a'..'z'|'A'..'Z'|'_') ('a'..'z'|'A'..'Z'|'0'..'9'|'-'|'_')*
;

STRING :

"""
(\"\"
|\"\n\"
|\"\n")*
""
{
    String txt = getText().replaceAll("\\\n\","\\n");
    setText(txt);
}

BIGSTRING_NO_NL // same as BIGSTRING but means ignore newlines later
:\<% (. .)* '%>'
    // %>' is the escape to avoid end of string
    {
        String txt = getText().replaceAll("\\%\\>%","\\%>");
        setText(txt);
    }

BIGSTRING
:\<<
    (options {greedy=false;}
    :\' \') // escape
    |\" ~>
    // allow this but don't collapse in action
    |~\n```
\*\*’>>’\*
{
\tString \text{txt} = \text{getText}();
\t\text{txt} = Misc.replaceEscapedRightAngle(\text{txt}); // replace > with > unless <\\>
\text{setText}(\text{txt});
}\n
**ANONYMOUS_TEMPLATE**

\:’{\n
\}{
\tToken \text{templateToken} = \text{new CommonToken}(\text{input}, \text{ANONYMOUS_TEMPLATE}, 0, \text{getCharIndex}(),
\text{getCharIndex}());
\text{STLexer} \text{lexer} =
\text{new STLexer}(<\text{group.errMgr}, \text{input}, \text{templateToken}, \text{group.delimiterStartChar}, \text{group.delimiterStopChar}>
\text{lexer.subtemplateDepth} = 1;
\text{Token} \text{t} = \text{lexer.nextToken}();
\text{while} ( \text{lexer.subtemplateDepth} \geq 1 \| \text{t.getType}()! = \text{STLexer.RCURLY} ) \{ 
\text{if} ( \text{t.getType}() == \text{STLexer.EOF_TYPE} ) \{ 
\text{MismatchedTokenException} \text{e} = \text{new MismatchedTokenException}('}', \text{input});
\text{String} \text{msg} = "missing final '}' in {...} anonymous template";
\text{group.errMgr.groupLexerError}(<\text{ErrorType.SYNTAX_ERROR}, \text{getSourceName}(), \text{e}, \text{msg} >
\text{break};
\}
\text{t = lexer.nextToken}();
}\}
\n\text{// don't match '}' here; our little {...} scanner loop matches it}
\text{// to terminate.}
\}

**COMMENT**

\:\'/\*\' (<\text{options} \{\text{greedy=false;}\} : . )\* ['/\* \text{skip}();
}\n
**LINE_COMMENT**

\:\'// ~(\'\n\)'\* '\n' \text{\? 'u'} \text{\{skip();}\n\n\n**WS** \:\' ['\'\r'|\'\n']\'\n' \text{\{skip();}\n
\text{Found in path(s):}
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/compiler/Group.g
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* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-
  jar/org/stringtemplate/v4/gui/JTreeASTModel.java
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-
  jar/org/stringtemplate/v4/gui/JTreeSTModel.java
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-
  jar/org/stringtemplate/v4/debug/InterpEvent.java
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  jar/org/stringtemplate/v4/misc/STGroupCompiletimeMessage.java
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  jar/org/stringtemplate/v4/compiler/BytecodeDisassembler.java
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-
  jar/org/stringtemplate/v4/compiler/CompilationState.java
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-
  jar/org/stringtemplate/v4/ModelAdaptor.java
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-
  jar/org/stringtemplate/v4/misc/Misc.java
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-
  jar/org/stringtemplate/v4/misc/STLexerMessage.java
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-
  jar/org/stringtemplate/v4/STGroup.java
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-
  jar/org/stringtemplate/v4/misc/Coordinate.java
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-
1.1415 thread-safe 0.3.6-java

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1.1419 curl 7.52.1-5+deb9u8

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

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1.1421 libncurses 6.2+20201114-2

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1.1422 x-net 0.0.0

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1.1423 asn1 0.2.3

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1.1424 logstash-output-udp 3.0.6

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1.1425 @babel/plugin-transform-regenerator

7.3.4

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1.1426 is-odd 1.0.0

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1.1435 history 4.7.2

1.1436 httpcomponents-client 4.5.5

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# packaged angular-route

This repo is for distribution on `npm` and `bower`. The source for this module is in the
[main AngularJS repo](https://github.com/angular/angular.js/tree/master/src/ngRoute).
Please file issues and pull requests against that repo.

## Install

You can install this package either with `npm` or with `bower`.

### npm

```shell
npm install angular-route
```

Then add `ngRoute` as a dependency for your app:

```javascript
angular.module('myApp', [require('angular-route')]);
```

### bower

```shell
```
bower install angular-route
```
```

Add a `<script>` to your `index.html`:
```
```
```
```html
<script src="/bower_components/angular-route/angular-route.js"></script>
```
```
```

Then add `ngRoute` as a dependency for your app:
```
```
```
```javascript
angular.module('myApp', ['ngRoute']);
```
```
```

## Documentation

Documentation is available on the [AngularJS docs site](http://docs.angularjs.org/api/ngRoute).

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Files: ./modules/fbx/fbx_parser/
Comment: Open Asset Import Library (FBX parser)
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Files: ./platform/android/java/lib/aidl/com/android/*
./platform/android/java/lib/res/layout/status_bar_ongoing_event_progress_bar.xml
./platform/android/java/lib/src/com/google/android/*
./platform/android/java/lib/src/org/godotengine/godot/input/InputManagerCompat.java
./platform/android/java/lib/src/org/godotengine/godot/input/InputManagerV16.java
Comment: The Android Open Source Project
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2002, Google, Inc.
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Files: ./servers/physics_3d/collision_solver_3d_sat.cpp
Comment: Open Dynamics Engine
Copyright: 2001-2003, Russell L. Smith, Alen Ladavac, Nguyen Binh
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Files: ./servers/physics_3d/gjk_epa.cpp
./servers/physics_3d/joints/generic_6dof_joint_3d_sw.cpp
./servers/physics_3d/joints/generic_6dof_joint_3d_sw.h
./servers/physics_3d/joints/hinge_joint_3d_sw.cpp
./servers/physics_3d/joints/hinge_joint_3d_sw.h
./servers/physics_3d/joints/jacobian_entry_3d_sw.h
./servers/physics_3d/joints/pin_joint_3d_sw.cpp
./servers/physics_3d/joints/pin_joint_3d_sw.h
./servers/physics_3d/joints/slider_joint_3d_sw.cpp
./servers/physics_3d/joints/slider_joint_3d_sw.h
./servers/physics_3d/soft_body_3d_sw.cpp
./servers/physics_3d/soft_body_3d_sw.h
./servers/physics_3d/shape_3d_sw.cpp
./servers/physics_3d/shape_3d_sw.h
Comment: Bullet Continuous Collision Detection and Physics Library
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Files: ./servers/physics_3d/joints/cone_twist_joint_3d_sw.cpp
./servers/physics_3d/joints/cone_twist_joint_3d_sw.h
Comment: Bullet Continuous Collision Detection and Physics Library
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Comment: CA certificates
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Comment: Convection Texture Tools Stand-Alone Kernels
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Files: ./thirdparty/doctest/
Comment: doctest
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Comment: Embree-aarch64
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Comment: etcpak
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Comment: Graphite engine
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Files: ./thirdparty/harfbuzz/
Comment: HarfBuzz text shaping library
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2012, Mozilla Foundation
2011, Codethink Limited
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2009, Martin Hosken and SIL International
2007, Chris Wilson
2006, Behdad Esfahbod
2005, David Turner
1998-2004, David Turner and Werner Lemberg
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Comment: International Components for Unicode
Copyright: 1991-2021, Unicode
License: Unicode

Files: ./thirdparty/jpeg-compressor/
Comment: jpeg-compressor
Copyright: 2012, Rich Geldreich
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Comment: OggVorbis
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Comment: libpng
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./thirdparty/libvpx/third_party/android/cpu-features.h
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Comment: MiniUPnPc
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Comment: MiniZip
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Files: ./thirdparty/misc/clipper.cpp
./thirdparty/misc/clipper.hpp
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Files: ./thirdparty/misc/cubemap_coeffs.h
Comment: Fast Filtering of Reflection Probes
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Comment: Robert Penner's Easing Functions
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Files: ./thirdparty/misc/fastlz.c
./thirdparty/misc/fastlz.h
Comment: FastLZ
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Files: ./thirdparty/misc/ifaddrs-android.cc
./thirdparty/misc/ifaddrs-android.h
Comment: libjingle
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Files: ./thirdparty/misc/mikktspace.c
./thirdparty/misc/mikktspace.h
Comment: Tangent Space Normal Maps implementation
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Files: ./thirdparty/misc/open-simplex-noise.c
./thirdparty/misc/open-simplex-noise.h
Comment: OpenSimplex Noise
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Files: ./thirdparty/misc/pcg.cpp
./thirdparty/misc/pcg.h
Comment: Minimal PCG32 implementation
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./thirdparty/misc/polypartition.h
Comment: PolyPartition / Triangulator
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Files: ./thirdparty/misc/r128.c
./thirdparty/misc/r128.h
Comment: r128 library
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Files: ./thirdparty/misc/smaz.c
./thirdparty/misc/smaz.h
Comment: SMAZ
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./thirdparty/misc/stb_vorbis.c
Comment: stb libraries
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Comment: YUV2RGB
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Comment: NanoSVG
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Comment: libSquish
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Files: ./thirdparty/vulkan/vk_mem_alloc.h
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Files: ./thirdparty/wslay/
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Comment: xatlas
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The following list of people, sorted by last name, have contributed code or patches to this implementation of sudo since I began maintaining it in 1993. This list is known to be incomplete--if you believe you should be listed, please send a note to sudo@sudo.ws.

Ackeret, Matt
Adler, Mark
Allbery, Russ
Anderson, Jamie
Andrew, Nick
Andric, Dimitry
Barron, Danny
Bates, Tom
Behan, Zdenk
Bellis, Ray
Benali, Elias
Beverly, Jamie
Boardman, Spider
Bostley, P.J.
Bowes, Keith
Boyce, Keith Garry
Brantley, Michael
Braun, Rob
Bezina, Pavel
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Brown, Jerry
Burr, Michael E
Burton, Ross
Bussjaeger, Andreas
Calvin, Gary
Campbell, Aaron
Chazelas, Stephane
ek, Vtzslav
Coleman, Chris
Corzine, Deven T.
Cusack, Frank
Dai, Wei
Dill, David
Earickson, Jeff
Eckhardt, Drew
Edgington, Ben
Esipovich, Marc
Espie, Marc
Faigon, Ariel
Farrell, Brian
Fobes, Steve
Fryninger, Mike
G., Daniel Richard
Gailly, Jean-loup
Gelman, Stephen
Gerraty, Simon J.
Graber, Stephane
Guillory, B.
Hayman, Randy M.
Henke, Joachim
Hideaki, Yoshifuji
Hieb, Dave
Holloway, Nick
Hoover, Adam
Hunter, Michael T.
Hutchings, Ben
The following people have worked to translate sudo into other languages:

- Blittermann, Mario
- Bogusz, Jakub
- Buo-ren, Lin
- Casagrande, Milo
- Castro, Felipe
- Cho, Seong-ho
- Chornoivan, Yuri
- Diguez, Francisco
- Fontenelle, Rafael
- Garca-Fontes, Walter
- Gezer, Volkan
- Hamasaki, Takeshi
- Hamming, Peter
- Hansen, Joe
- Hantrais, Frederic
- Hein, Jochen
- Hufthammer, Karl Ove
- Jerovek, Damir
- Karvonen, Jorma
- Kazik, Duan
- Kelemen, Gbor
- Keecci, Mehmet
- Koir, Klemen
- Kozlov, Yuri
- Kramer, Jakob
- Krznar, Tomislav
- Marchal, Frederic
- Margevicius, Algimantas
- Maryanov, Pavel
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1.1472 babel-plugin-transform-es2015-parameters 6.24.1

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1.1475 fontkit 1.8.1

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1.1476 debian-archive-keyring 2021.1.1

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# Jackson JSON processor

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

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1.1488 geo-ip 2.9.0

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Protocol Buffers for Go with Gadgets

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

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1.1512 node.js 8.14.0-r0

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[**Download JSON**](https://raw.githubusercontent.com/shinnn/spdx-license-ids/master/spdx-license-ids.json)

## Use as a JavaScript Library


[![devDependency Status](https://david-dm.org/shinnn/spdx-license-ids#info=devDependencies)](https://david-dm.org/shinnn/spdx-license-ids#info=devDependencies)

### Installation

#### Package managers

#### [npm](https://www.npmjs.com/)

```
sh
npm install spdx-license-ids
```

#### [bower](http://bower.io/)

```
sh
bower install spdx-license-ids
```

#### [Duo](http://duojs.org/)

```javascript
const spdxLicenseIds = require('shinnn/spdx-license-ids');
```
### Standalone

[Download the script file directly.](https://raw.githubusercontent.com/shinnn/spdx-license-ids/master/spdx-license-ids-browser.js)

### API

#### spdxLicenseIds

Type: `Array` of `String`

It returns an array of SPDX license identifiers.

```javascript
const spdxLicenseIds = require('spdx-license-ids'); //=> ['Glide', 'Abstyles', 'AFL-1.1', ... ]
```

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// Original can be found at:
//   https://bitbucket.org/lindenlab/llsd
// Modifications by Joshua Bell inexorabletash@gmail.com
//   https://github.com/inexorabletash/polyfill

// ES3/ES5 implementation of the Khronos Typed Array Specification
// Ref: http://www.khronos.org/registry/typedarray/specs/latest/
// Date: 2011-02-01
//
// Variations:
// * Allows typed_array.get/set() as alias for subscripts (typed_array[])

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var assert = require('assert')

var firstAST = {
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  conjunction: 'or',
  right: {
    left: { license: 'BSD-3-Clause' },
    conjunction: 'and',
    right: { license: 'MIT' } } }

assert.deepEqual(parse('(LGPL-2.1 OR BSD-3-Clause AND MIT)'),
  firstAST)

var secondAST = {
  left: { license: 'MIT' },
  conjunction: 'and',
  right: {
    left: {
      license: 'LGPL-2.1',
      plus: true },
    conjunction: 'and',
    right: { license: 'BSD-3-Clause' } } }

assert.deepEqual(parse('(MIT AND (LGPL-2.1+ AND BSD-3-Clause))'),
  secondAST)

// We handle all the bare SPDX license and exception ids as well.
require('spdx-license-ids').forEach(function(id) {
assert.deepEqual(}
parse(id),
{ license: id })
require('spdx-exceptions').forEach(function(e) {
    assert.deepEqual(
        parse(id + ' WITH ' + e),
        { license: id, exception: e }) })
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```
var correct = require('spdx-correct');
var assert = require('assert');

assert.equal(correct('mit'), 'MIT')

assert.equal(correct('Apache 2'), 'Apache-2.0')

assert(correct('No idea what license') === null)
```

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wcwidth.js: JavaScript Portng of Markus Kuhn's wcwidth() Implementation

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validate-npm-package-license
================================

Give me a string and I'll tell you if it's a valid npm package license string.

```javascript
```
var valid = require('validate-npm-package-license');
```

SPDX license identifiers are valid license strings:
```
```
var assert = require('assert');
var validSPDXExpression = {
validForNewPackages: true,
validForOldPackages: true,
spdx: true
};

assert.deepEqual(valid('MIT'), validSPDXExpression);
assert.deepEqual(valid('BSD-2-Clause'), validSPDXExpression);
assert.deepEqual(valid('Apache-2.0'), validSPDXExpression);
assert.deepEqual(valid('ISC'), validSPDXExpression);
```

The function will return a warning and suggestion for nearly-correct license identifiers:
```
assert.deepEqual(
valid('Apache 2.0'),
{
validForOldPackages: false,
validForNewPackages: false,
warnings: [
'license should be ' +
'a valid SPDX license expression (without "LicenseRef"), ' +
'"UNLICENSED", or ' +
'"SEE LICENSE IN <filename>"",
'license is similar to the valid expression "Apache-2.0"
]
}
);
```

SPDX expressions are valid, too ...
```
```
// Simple SPDX license expression for dual licensing
assert.deepEqual(
valid('(GPL-3.0 OR BSD-2-Clause)'),
validSPDXExpression
);
```
```
```
If you can't describe your licensing terms with standardized SPDX identifiers, put the terms in a file in the package and point users there:

```javascript
assert.deepEqual(
  valid('SEE LICENSE IN LICENSE.txt'),
  {
    validForNewPackages: true,
    validForOldPackages: true,
    inFile: 'LICENSE.txt'
  }
);

assert.deepEqual(
  valid('SEE LICENSE IN license.md'),
  {
    validForNewPackages: true,
    validForOldPackages: true,
    inFile: 'license.md'
  }
);
```
If there aren't any licensing terms, use `UNLICENSED`:

```javascript
var unlicensed = {
  validForNewPackages: true,
  validForOldPackages: true,
  unlicensed: true
};
assert.deepEqual(valid('UNLICENSED'), unlicensed);
assert.deepEqual(valid('UNLICENCED'), unlicensed);
```

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1.1513 asm-tree 5.0.4
1.1513.1 Available under license :
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/**
 * Constructs a new {@link Textifier}. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the {@link #Textifier(int)}
 * version.
 *
 * @throws IllegalStateException
 *             If a subclass calls this constructor.
 */

Found in path(s):
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-
jar/org/objectweb/asm/util/Textifier.java
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* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/asm/util/ASMifier.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/tree/LdcInsnNode.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/tree/ParameterNode.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/tree/InnerClassNode.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/Handle.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/tree/TableSwitchInsnNode.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/commons/CodeSizeEvaluator.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/commons/InstructionAdapter.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/tree/FrameNode.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/asm/Opcodes.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/Context.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/tree/analysis/Analyzer.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/optimizer/FieldConstantsCollector.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/optimizer/AnnotationConstantsCollector.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/commons/TableSwitchGenerator.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/Label.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/tree/MethodInsnNode.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/ByteVector.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/tree/analysis/BasicValue.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/tree/IincInsnNode.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/optimizer/JarOptimizer.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/Attribute.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/commons/StaticInitMerger.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/util/CheckMethodAdapter.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/tree/MultiANewArrayInsnNode.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/tree/TypeAnnotationNode.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/commons/TryCatchBlockSorter.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/tree/analysis/SmallSet.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/optimizer/MethodConstantsCollector.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/tree/analysis/Frame.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/tree/FieldInsnNode.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/tree/LocalVariableNode.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/tree/Edge.java
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Constructs a new [ @link ClassNode ]. <i>Subclasses must not use this constructor</i>. Instead, they must use the [ @link #ClassNode(int) ] version.

@throws IllegalStateException
If a subclass calls this constructor.

Found in path(s):
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/tree/AbstractInsnNode.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/optimizer/Constant.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/MethodVisitor.java
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jar/org/objectweb/asm/tree/ClassNode.java
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 */

/**
 * Constructs a new {@link LocalVariableAnnotationNode}. <i>Subclasses must
 * not use this constructor</i>. Instead, they must use the
 * {@link #LocalVariableAnnotationNode(int, TypePath, LabelNode[], LabelNode[], int[], String)}
 * version.
 *
 * @param typeRef
 * a reference to the annotated type. See {@link TypeReference}.
 * @param typePath
 * the path to the annotated type argument, wildcard bound, array
 * element type, or static inner type within 'typeRef'. May be
 * <tt>null</tt> if the annotation targets 'typeRef' as a whole.
 * @param start
 * the fist instructions corresponding to the continuous ranges
 * that make the scope of this local variable (inclusive).
 * @param end
 */
* the last instructions corresponding to the continuous ranges
* that make the scope of this local variable (exclusive). This
* array must have the same size as the 'start' array.
* @param index
* the local variable's index in each range. This array must have
* the same size as the 'start' array.
* @param desc
* the class descriptor of the annotation class.
*/

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jar/org/objectweb/asm/tree/LocalVariableAnnotationNode.java
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jar/org/objectweb/asm/TypeReference.java
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 */

/**
 * Creates a new {AnalyzerAdapter}. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * {AnalyzerAdapter(int, String, int, String, String, MethodVisitor)}
 * version.
 *
 * @param owner
 * the owner's class name.
 *
 * @param access
 * the method's access flags (see {Opcodes}).
 *
 * @param name
 * the method's name.
 *
 * @param desc
 * the method's descriptor (see {Type}).
 *
 * @param mv
 * the method visitor to which this adapter delegates calls. May
* be <tt>null</tt>.
* @throws IllegalStateException
  * If a subclass calls this constructor.
* /

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  jar/org/objectweb/asm/commons/AnalyzerAdapter.java
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 */

/**
 * Creates a new JSRInliner. <i>Subclasses must not use this constructor</i>. Instead, they must use the
 * [ {@link #JSRInlinerAdapter(int, MethodVisitor, int, String, String, String, String[])}]
 * version.
 *
 * @param mv
 *   the <code>MethodVisitor</code> to send the resulting inlined
 *   method code to (use <code>null</code> for none).
 */
* @param access
*     the method's access flags (see [@link Opcodes]). This
*     parameter also indicates if the method is synthetic and/or
*     deprecated.
* @param name
*     the method's name.
* @param desc
*     the method's descriptor (see [@link Type]).
* @param signature
*     the method's signature. May be <tt>null</tt>.
* @param exceptions
*     the internal names of the method's exception classes (see
*     [Type#getInternalName()]. May be
*     <tt>null</tt>.
* @throws IllegalStateException
*     If a subclass calls this constructor.
*/

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* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/optimizer/shrink-frames.properties
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/optimizer/shrink.properties
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/optimizer/shrink-writer.properties
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/**
 * Creates a new GeneratorAdapter. <i>Subclasses must not use this constructor</i>. Instead, they must use the
 * GeneratorAdapter(int, MethodVisitor, int, String, String)
 * version.
 *
 * @param mv
 * the method visitor to which this adapter delegates calls.
 * @param access
 * the method's access flags (see Opcodes).
 * @param name
 * the method's name.
 * @param desc
 * the method's descriptor (see Type).
 * @throws IllegalStateException
 * If a subclass calls this constructor.
 */

Found in path(s):
/opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5.0.4-sources-5-jar/org/objectweb/asm/commons/GeneratorAdapter.java
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1.1514 stream-each 1.2.3

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1.1515 findutils 4.5.11 6.el7

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1.1518 node-set-blocking 2.0.0-1.1

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1.1519 extsprintf 1.4.0

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1.1520 @mapbox/geojson-types 1.0.2

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1.1521 d3-contour 1.1.2

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1.1522 nigel 3.0.4

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1.1523 @babel/plugin-transform-modules-umd 7.2.0

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1.1524 turf-point-grid 3.0.12

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1.1525 @elastic/vega-parser 2.7.0-kibana

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1.1526 vega kibana

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1.1527 jackson 2.9.7

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1.1528 libonig5 6.9.6-1.1
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1.1529 copy-concurrently 1.0.5-7

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1.1530 mitchellh-mapstructure v1.1.2

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1.1531 chalk 2.4.1

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1.1532 rocksdb 1.1.8

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1.1534 lodash-es 4.17.13

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1.1535 body-parser 1.19.0

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1.1537 loader-utils 1.4.0

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1.1538 armon-go-metrics v0.3.3

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1.1539 json-simple 1.1

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1.1541 x-net v0.0.0-20200625001655-4c5254603344

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1.1542 babel-plugin-add-module-exports 1.0.0

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1.1543 elfutils 0.176-5.el7

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1.1550 reporter-config-base 3.0.3

1.1551 jemalloc 5.2.1

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1.1552 amqp-client 5.9.0

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Manifest-Version: 1.0
Bundle-SymbolicName: com.rabbitmq.client
Built-By: root
Bnd-LastModified: 1586866456034
Specification-Title: AMQP
Bundle-DocURL: https://www.rabbitmq.com
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"
Bundle-Name: RabbitMQ Java Client
Bundle-Description: The RabbitMQ Java client library allows Java applications to interface with RabbitMQ.
Implementation-Title: RabbitMQ Java Client
Automatic-Module-Name: com.rabbitmq.client
Implementation-Version: 5.9.0
Bundle-ManifestVersion: 2
Specification-Vendor: AMQP Working Group (www.amqp.org)
Bundle-Vendor: VMware, Inc. or its affiliates.
Tool: Bnd-3.2.0.201605172007
Implementation-Vendor: VMware, Inc. or its affiliates.
Bundle-Version: 5.9.0
Created-By: Apache Maven Bundle Plugin
Build-Jdk: 1.8.0_242
Implementation-URL: https://www.rabbitmq.com
Specification-Version: 0.9.1

Found in path(s):
* /opt/cola/permits/1136114760_1613679824.14/0/amqp-client-5-9-0-jar/META-INF/MANIFEST.MF

1.1553 logstash-input-ganglia 3.1.4

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1.1554 backoff v3.0.0

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1.1555 docker v1.4.2-0.20170802015333

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1.1557 janino 3.0.8

1.1558 apollo-cache-control 0.1.1

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1.1559 jaeger v1.17.0

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1.1560 libnpmteam 2.0.2

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1.1561 nettle 3.3 1+b2

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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

* kennethreitz <me@kennethreitz.com>
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  * Python 3 support

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* hartator <hartator@gmail.com>
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* 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 bug fixes and test improvements.

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

* Boris Figovskiy <boris.figovskiy@ravellosystems.com>
  * Allowed to skip SSL hostname verification

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

* Roman Bogorodskiy <roman.bogorodskiy@ericsson.com>
  * Account retries on proxy errors
* Nicolas Delaby <nicolas.delaby@ezeep.com>
  * Use the platform-specific CA certificate locations

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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1.1565 node-spdx-license-ids 3.0.7-1
1.1565.1 Available under license:

```markdown
root = true

[*]
charset = utf-8
end_of_line = lf
indent_style = tab
tab_width = 2
insert_final_newline = true
trim_trailing_whitespace = true

[*.{md,yml}]
indent_style = space

[*.md]
trim_trailing_whitespace = false

# get-spdx-license-ids

A [Node.js](https://nodejs.org/) module to get an array of the latest [SPDX license](https://spdx.org/licenses/) identifiers from [spdx.org](https://spdx.org/)

```javascript
const getSpdxLicenseIds = require('get-spdx-license-ids');

(async () => {
  const ids = await getSpdxLicenseIds();
  //=> ['0BSD', 'AAL', 'Abstyles', 'Adobe-2006', 'Adobe-Glyph', 'ADSL', 'AFL-1.1', 'AFL-1.2', ...]
})();
```

### Installation

[Use](https://docs.npmjs.com/cli/install) [npm](https://docs.npmjs.com/getting-started/what-is-npm).

```
npm install get-spdx-license-ids
```

### getSpdxLicenseIds([*options*])

*options*: `Object` ([`request` options](https://github.com/request/request#requestoptions-callback) without `json` option that defaults to `true`)  
Return: `Promise<Array<string>>`

It retrieves an array of non-deprecated SPDX license identifiers from <https://spdx.org/licenses/licenses.json>.

```javascript
(async () => {
  const ids = await getSpdxLicenseIds();
  ids.includes('MIT'); //=> true
  ids.includes('ISC'); //=> true
  ids.includes('GPL-1.0'); //=> false
})
```

### getSpdxLicenseIds.deprecated([*options*])

---
Retrieves deprecated IDs only.

```javascript
(async () => {
    const deprecatedIds = await getSpdxLicenseIds.deprecated();
    deprecatedIds.includes('MIT'); //= false
    deprecatedIds.includes('ISC'); //= false

    deprecatedIds.includes('GPL-1.0'); //= true
})();
```

### getSpdxLicenseIds.all(*options*)

Retrieves both deprecated and non-deprecated IDs in a single array.

```javascript
(async () => {
    const allIds = await getSpdxLicenseIds.all();
    allIds.includes('MIT'); //= true
    allIds.includes('ISC'); //= true
    allIds.includes('GPL-1.0'); //= false
})();
```

### getSpdxLicenseIds.both(*options*)

Retrieves both deprecated and non-deprecated IDs in two separate arrays.

```javascript
(async () => {
    const pair = await getSpdxLicenseIds.both();
    pair.length; //= 2

    const [valid, deprecated] = pair;

    valid.includes('MIT'); //= true
    valid.includes('ISC'); //= true
    valid.includes('GPL-1.0'); //= false

    deprecated.includes('MIT'); //= false
    deprecated.includes('ISC'); //= false
    deprecated.includes('GPL-1.0'); //= true
})();
```
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branches:
  except: /^v\d/  
language: node_js  
node_js: node  
after_script: node_modules/.bin/nyc report --reporter=text-lcov | npx coveralls  
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### 1.1566 nfs-utils 1.3.0-0.68.el7

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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
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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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Included here to compliment the Pthreads-win32 license header in wtf/ThreadingWin.cpp file.
WebKit is using derived sources of ThreadCondition code from Pthreads-win32.

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procedure to fix Mingw32 thread-safety issues.
Louis Thomas
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(with Alexander Terekhov) re-implemented and improved condition variables.
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Ported to UWIN.
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Ralf Brese
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Bug fix.
prionx at junodotcom prionx at junodotcom
Bug fixes.
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POSIX versioning conditionals;
reduced namespace pollution;
idea to separate routines to reduce statically linked image sizes.
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Michael Johnson
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Nicolas Barry
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Bug fixes.
Piet van Bruggen
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Bug fix.
Makoto Katoraven at oldskool dot jp
AMD64 port.
Panagiotis E. Hadjidoukas peh at hpclab dot ceid dot upatras dot gr
Contributed the QueueUserAPCEx package which makes preemptive async cancelation possible.
Will Bryant will dot bryant at ecosm dot com
Borland compiler patch and makefile.
Anuj Goyal anuj dot goyal at gmail dot com
Port to Digital Mars compiler.
Gottlob Frege gottlobfrege at gmail dot com
re-implemented pthread_once (version 2) (pthread_once cancellation added by rpj).
Vladimir Kliatchko kliatchko dot com
reimplemented pthread_once with the same form as described by A.Terekhov (later version 2);
implementation of MCS (Mellor-Crummey/Scott) locks.

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1.1576 scala 2.12.6

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not-a-legal-formal-parameter-tuple.scala:2: error: not a legal formal parameter.
Note: Tuples cannot be directly destructured in method or function parameters.

   Either create a single parameter accepting the Tuple2,
   or consider a pattern matching anonymous function: `\{ case (a, b) => ... }`
val x: ((Int, Int) => Int) = (((a, b)) => a)

^ 

not-a-legal-formal-parameter-tuple.scala:3: error: not a legal formal parameter.
Note: Tuples cannot be directly destructured in method or function parameters.
Either create a single parameter accepting the Tuple2,
  or consider a pattern matching anonymous function: `\{ case (param1, param2) => ... \}
val y: ((Int, Int) => Int) = (((a, !!)) => a)

^ 

not-a-legal-formal-parameter-tuple.scala:4: error: not a legal formal parameter.
Note: Tuples cannot be directly destructured in method or function parameters.
Either create a single parameter accepting the Tuple3,
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val z: ((Int, Int, Int) => Int) = (((a, NotAPatternVariableName, c)) => a)

^ 

three errors found
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src/base/md5.h

src/bdf/bdf.c
src/bdf/bdf.h
src/bdf/bdfdrivr.c
src/bdf/bdfdrivr.h
src/bdf/bdferror.h
src/bdf/bdflib.c
src/bdf/module.mk
src/bdf/README
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src/pcf/module.mk
src/pcf/pcf.c
src/pcf/pcf.h
src/pcf/pcfdrivr.c
src/pcf/pcfdrivr.h
src/pcf/pcferror.h
src/pcf/pcfread.c
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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@end enumerate

@end enumerate

@end enumerate

@end enumerate

@end enumerate

@end enumerate

@end enumerate

@end enumerate

@end enumer
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@end smallexample

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

If the program does terminal interaction, make it output a short
notice like this when it starts in an interactive mode:

@end smallexample
@var{program} Copyright (C) @var{year} @var{name of author}
This program comes with ABSOLUTELY NO WARRANTY; for details type @samp{show w}.
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@end smallexample

The hypothetical commands @samp{show w} and @samp{show c} should show
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@end c man end
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DRuntime: Runtime Library for the D Programming Language

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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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1.1601 d-bus 1.12.20-0+deb10u1

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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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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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1.1611 kerberos 1.15 1+deb9u1
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lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mach/gssapiP_spnego.h
lib/gss_mechs/mech_spnego/mech/spnego_mech.c
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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in:
```
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
```
class="n">g_delete_sec_context</span><span class="o">.</span><span class="n">c</span><span class="o">
</span>class="n">g_dup_name</span><span class="o">.</span><span class="n">c</span><span class="o">
</span>class="n">g_dup_status</span><span class="o">.
</span>class="n">g_dsp_name</span><span class="o">.
</span>class="n">g_dsp_status</span><span class="o">.
</span>class="n">g_exp_sec_context</span><span class="o">
</span>class="n">g_export_name</span><span class="o">
</span>class="n">g_glue</span><span class="o">
</span>class="n">g_imp_name</span><span class="o">
</span>class="n">g_imp_sec_context</span><span class="o">
</span>class="n">g_initialize</span><span class="o">
</span>class="n">g_inquire_context</span><span class="o">
</span>class="n">g_inquire_cred</span><span class="o">
</span>class="n">g_inquire_names</span><span class="o">
</span>class="n">g_process_context</span><span class="o">
</span>class="n">g_rel_buffer</span><span class="o">
</span>class="n">g_set_cred</span><span class="o">
</span>class="n">g_set_name</span><span class="o">
</span>class="n">g_set_sec_context</span><span class="o">
</span>class="n">g_start_sec_context</span><span class="o">
</span>class="n">g_stop_sec_context</span><span class="o">
</span>class="n">g_token_info</span><span class="o">

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and the initial implementation of incremental propagation, including the following new or changed files:

- `include/g_rel_cred.h`
- `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_verify.c`
- `lib/gssapi/oid_ops.c`
- `lib/gssapi/spnego/gssapiP_spnego.h`
- `lib/gssapi/spnego/spnego_mech.c`
- `lib/gssapi/spnego/gssapiP_spnego.c`
- `lib/gssapi/spnego/gssapiP_spnego.c`
- `lib/gssapi/spnego/gssapiP_spnego.c`
- `lib/gssapi/spnego/gssapiP_spnego.c`
- `lib/gssapi/spnego/gssapiP_spnego.c`
- `lib/gssapi/spnego/gssapiP_spnego.c`

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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in `src/lib/gssapi`, including the following files:

.. 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
    lib/gssapi/mechglue/g unseal.c
    lib/gssapi/mechglue/g userok.c
    lib/gssapi/mechglue/g utils.c
    lib/gssapi/mechglue/g verify.c
and the initial implementation of incremental propagation, including the following new or changed files:

.. 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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<script type="text/javascript">
var DOCUMENTATION_OPTIONS = {
    URL_ROOT: './',
    VERSION: '1.17',
    COLLAPSE_INDEX: false,
    FILE_SUFFIX: '.html',
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lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
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import os
import sys
import re

def warn(fname, ln, msg):
    print '%s: %d: %s' % (fname, ln + 1, msg)

def indicates_license(line):
    return 'Copyright' in line or 'COPYRIGHT' in line or 'License' in line

# Check a comment for boilerplate violations. Return true if the comment
# is a license statement.
def check_comment(comment, fname, ln, code_seen, nonlicense_seen):
    text_seen = False
    is_license = False
    for line in comment:
        if not is_license and indicates_license(line):
            is_license = True
        if text_seen:
            warn(fname, ln, 'License begins after first line of comment')
        elif code_seen:
            warn(fname, ln, 'License after code')
        elif nonlicense_seen:
            warn(fname, ln, 'License after non-license comments')
        break
    # DB2 licenses start with '/*-]' and we don't want to change them.
    if line != '' and line != '-[
        text_seen = True
    return is_license
```python
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()
```

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*/

1.1612 libpython3-stdlib 3.9.2-3
1.1612.1 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

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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1.1618 babel-plugin-syntax-object-rest-spread 6.13.0

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1.1620 jackson-jaxrs-json-provider 2.9.7

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1.1621 just-reduce-object 1.1.0

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1.1622 ws 5.2.2

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1.1623 apache-arrow-go-arrow v0.0.0-20200610220642-670890229854

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1.1625 cockroachdb-pebble v0.0.0-20210518010609-7506c674f9af

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Protocol Buffers for Go with Gadgets

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1.1631 warning 4.0.2

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our electronic mailing list. Mailing list members are notified of updates and have a chance to participate in technical discussions, etc.

This software is the work of Tom Lane, Philip Gladstone, Jim Boucher, Lee Crocker, Julian Minguillon, Luis Ortiz, George Phillips, Davide Rossi, Guido Vollbeding, Ge’ Weijers, and other members of the Independent JPEG Group.

IJJG is not affiliated with the official ISO JPEG standards committee.

DOCUMENTATION ROADMAP
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This file contains the following sections:

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

Other documentation files in the distribution are:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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


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

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

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

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

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

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

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

The JPEG FAQ (Frequently Asked Questions) article is a useful source of
general information about JPEG. It is updated constantly and therefore is
not included in this distribution. The FAQ is posted every two weeks to
Usenet newsgroups comp.graphics.misc, news.answers, and other groups.
It is available on the World Wide Web at http://www.faqs.org/faqs/jpeg-faq/ and other news.answers archive sites, including the official news.answers archive at rtfm.mit.edu: ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/. If you don't have Web or FTP access, send e-mail to mail-server@rtfm.mit.edu with body
send usenet/news.answers/jpeg-faq/part1
send usenet/news.answers/jpeg-faq/part2

RELATED SOFTWARE

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

If you are on a Unix machine, we highly recommend Jef Poskanzer's free PBMPLUS software, which provides many useful operations on PPM-format image files. In particular, it can convert PPM images to and from a wide range of other formats, thus making cjpeg/djpeg considerably more useful. The latest version is distributed by the NetPBM group, and is available from numerous sites, notably ftp://wuarchive.wustl.edu/graphics/graphics/packages/NetPBM/.

Unfortunately PBMPLUS/NETPBM is not nearly as portable as the IJG software is; you are likely to have difficulty making it work on any non-Unix machine.

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

FILE FORMAT WARS

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

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

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

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

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

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

As always, speeding things up is of great interest.

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

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*******************
History and License
*******************

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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.

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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 `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

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

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----------

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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
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zlib
----

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-------

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

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http-proxy-agent

============
### An HTTP(s) proxy `http.Agent` implementation for HTTP


This module provides an `http.Agent` implementation that connects to a specified HTTP or HTTPS proxy server, and can be used with the built-in `http` module.

__Note:__ For HTTP proxy usage with the `https` module, check out [node-https-proxy-agent](https://github.com/TooTallNate/node-https-proxy-agent).

**Installation**

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

Install with `npm`:

```bash
$ npm install http-proxy-agent
```

**Example**

-------

```js
var url = require('url');
var http = require('http');
var HttpProxyAgent = require('http-proxy-agent');

// HTTP/HTTPS proxy to connect to
var proxy = process.env.http_proxy || 'http://168.63.76.32:3128';
console.log('using proxy server %j', proxy);

// HTTP endpoint for the proxy to connect to
console.log('attempting to GET %j', endpoint);
var opts = url.parse(endpoint);

// create an instance of the `HttpProxyAgent` class with the proxy server information
var agent = new HttpProxyAgent(proxy);
opts.agent = agent;

http.get(opts, function (res) {
  console.log("response" event!, res.headers);
  res.pipe(process.stdout);
});
```

```bash
```
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-------

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<PRE>
<VAR>one line to give the program's name and an idea of what it does.</VAR>Copyright (C) <VAR>yyyy</VAR>  <VAR>name of author</VAR>

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

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

```
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Gnomovision 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 `<SAMP>`show w'</SAMP> and `<SAMP>`show c'</SAMP> should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `<SAMP>`show w'</SAMP> and `<SAMP>`show c'</SAMP>; 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.

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

Version 2, June 1991

```
Copyright (C) 1991 Free Software Foundation, Inc.
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Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the library GPL. It is
numbered 2 because it goes with version 2 of the ordinary GPL.]
```
<H3>Preamble</H3>

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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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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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<OL TYPE="a">

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<P>

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

<P>

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<P>

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</OL>

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

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

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<OL TYPE="a">
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<P>
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<P>
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</OL>

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```
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What this license *does not* allow you to do is make changes or add features to CUPS and then sell a binary distribution without source code. You must provide source for any changes or additions to the software, and all code must be provided under the GPL or LGPL as appropriate. The only exceptions to this are the portions of the CUPS software covered by the Apple operating system license exceptions outlined later in this license agreement.

The GNU LGPL relaxes the "link-to" restriction, allowing you to develop applications that use the CUPS and CUPS Imaging libraries under other licenses and/or conditions as appropriate for your
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b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

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

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END OF TERMS AND CONDITIONS

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.

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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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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
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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
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this as regards changes in header files, but we have achieved it as regards
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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
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all the source code for all modules it contains, plus any associated
interface definition files, plus the scripts used to control compilation
and installation of the library.

Activities other than copying, distribution and modification are not
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running a program using the Library is not restricted, and output from
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on the Library (independent of the use of the Library in a tool for
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1. You may copy and distribute verbatim copies of the Library’s complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

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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.

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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
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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.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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1.1656 google-uuid v1.0.0

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1.1657 @types/write-file-atomic 3.0.1

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1.1658 jwa 1.4.1

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* /opt/cola/permits/1132421808_1613177436.31/0/airline-0-6-sources-2-jar/io/airlift/command/ParseCommandMissingException.java
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* /opt/cola/permits/1132421808_1613177436.31/0/airline-0-6-sources-2-jar/io/airlift/command/ParseCommandUnrecognizedException.java
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* /opt/cola/permits/1132421808_1613177436.31/0/airline-0-6-sources-2-jar/io/airlift/command/ParseArgumentsMissingException.java
* /opt/cola/permits/1132421808_1613177436.31/0/airline-0-6-sources-2-jar/io/airlift/command/ParseOptionMissingValueException.java

1.1661 commons-codec 1.10

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1.1663 msgpack 3.3.0

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1.1664 base-passwd 3.5.43

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Name: base-passwd
Maintainer: Colin Watson <cjwatson@debian.org>

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* /opt/cola/permits/1136405427_1613762483.76/0/javassist-3-22-0-ga-sources-4-jar/javassist/compiler/ast/ArrayInitializer.java
* /opt/cola/permits/1136405427_1613762483.76/0/javassist-3-22-0-ga-sources-4-jar/javassist/compiler/ast/ArraySlice.java
* /opt/cola/permits/1136405427_1613762483.76/0/javassist-3-22-0-ga-sources-4-jar/javassist/compiler/ast/MethodCall.java
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* /opt/cola/permits/1136405427_1613762483.76/0/javassist-3-22-0-ga-sources-4-jar/javassist/bytecode/annotation/FloatMemberValue.java
* /opt/cola/permits/1136405427_1613762483.76/0/javassist-3-22-0-ga-sources-4-jar/javassist/bytecode/annotation/ClassMemberValue.java
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1.1673 aopalliance-repackaged 2.5.0

1.1674 kbn-test-subj-selector 0.2.1

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1.1676 angular-elastic 2.5.0

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1.1678 run-queue 2.0.0

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 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1022263333_1596610313.9/0/quux-4-zip/quux/quux.js

1.1680 v8 5.7.492.77

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1.1681 nettle 2.7.1 8.el7

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 *
 * PKCS #5 PBKDF2 used with HMAC-SHA256, see RFC 2898.
 */

/* nettle, low-level cryptographics library
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*/
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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
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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.

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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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.

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[This is the first released version of the library GPL. It is
numbered 2 because it goes with version 2 of the ordinary GPL.]
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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

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

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

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

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

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

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

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

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

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

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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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EFFECTIVE OCT 2008, LICENSE IS BEING CHANGED TO LGPL-2.1 (though not reflected in released code until Nov 2009 - slow release cycle...)

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Discussion thread from mailing list archive, with approval from everyone actively involved or holding original licensing rights included.

[Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16

Attachments: Message as HTML
looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries unde=
GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists

=2Dmike

Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18
I understand that, and you're welcome to bring it up with Alec directly
and see if he wants to relicense his code as LGPL... but at this point,
it was enough to just get it consistent and documented as to what it was
released under. This wasn't actually a license change, just a
clarification of the licensing that was already in place.=20

-- Nathan
=20

------------------------------------------------------------
Nathan Neulinger EMail: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----
> From: cracklib-devel-bounces@li...
> [mailto:cracklib-devel-bounces@li...] On Behalf Of
> Mike Frysinger
> Sent: Monday, October 01, 2007 8:15 PM
> To: cracklib-devel@li...
> Subject: [Cracklib-devel] cracklib license
>=20
> looks like 2.8.11 is out and marked as "GPL-2" ... releasing
> libraries under
> GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
> -mike

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

Attachments: Message as HTML
On Monday 01 October 2007, Neulinger, Nathan wrote:
> I understand that, and you're welcome to bring it up with Alec directly
> and see if he wants to relicense his code as LGPL... but at this point,
> it was enough to just get it consistent and documented as to what it was
> released under. This wasn't actually a license change, just a
> clarification of the licensing that was already in place.

the original license (before moving to sourceforge -- aka, 2.7) was not=20
GPL-2 ... it was a modified artistic license ... i didnt notice the license=
change until it was mentioned in the latest notes.

unlike the old license, GPL-2 prevents people from using cracklib unless their applications are also GPL-2 which imo is just wrong. it isn't the place of a library to dictate to application writers what license they should be using. thus LGPL-2.1 enters to fill this void.

Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46
Seems like the ideal thing here would be for you and the other distro maintainers to get together with Alec in a conversation and come to a decision as to what licensing scheme y'all want. I haven't really done much other than cleaning up the packaging and patches and a small bit of additional code, so whatever licensing y'all come up with is fine by me.

-- Nathan

Nathan Neulinger EMail: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
UMR Information Technology Fax: (573) 341-4216

----Original Message-----
From: cracklib-devel-bounces@li...
[mailto:cracklib-devel-bounces@li...] On Behalf Of Mike Frysinger
Sent: Monday, October 01, 2007 8:33 PM
To: Neulinger, Nathan
Cc: cracklib-devel@li...; Alec Muffett
Subject: Re: [Cracklib-devel] cracklib license

On Monday 01 October 2007, Neulinger, Nathan wrote:
> I understand that, and you're welcome to bring it up with Alec directly
> and see if he wants to relicense his code as LGPL... but at this point,
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> >=20
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> applications are also GPL-2 which imo is just wrong. it isnt the
> place of a
> library to dictact to application writes what license they should
> be using.
> thus LGPL-2.1 enters to fill this void.
> >-mike

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57
> Seems like the ideal thing here would be for you and the other distro
> maintainers to get together with Alec in a conversation and come to a
> decision as to what licensing scheme y'all want. I haven't really done
> much other than cleaning up the packaging and patches and a small
> bit of
> additional code, so whatever licensing y'all come up with is fine
> by me.

I am sympathetic. Guys, what do you reckon?

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

-a

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

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

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

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

My apologies for not chiming in in anything resembling a reasonable

timeframe.

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

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

Cheers,

Nalin

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

Attachments: Message as HTML
On Monday 28 January 2008, Nalin Dahyabhai wrote:
  > On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
  > > > Seems like the ideal thing here would be for you and the other distro
  > > > maintainers to get together with Alec in a conversation and come to a
  > > > decision as to what licensing scheme y'all want. I haven't really done
  > > > much other than cleaning up the packaging and patches and a small
  > > > bit of
  > > > additional code, so whatever licensing y'all come up with is fine
  > > > by me.
  > >
  > > I am sympathetic. Guys, what do you reckon?
> > What I am hearing so far is that LGPL makes sense, since it can be
> > linked with any code, not just GPL....
> >
> > My apologies for not chiming in in anything resembling a reasonable
> > timeframe.
> >
> > I'd also suggest the LGPL, for the reason you noted above. Alternately,
> > GPLv2 with the option of using the library under a later version of the
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> > 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
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
Subject: [New Message] Re: [PATCH] Linux insmod utility -dependence on KERN_MODULE

BELOW IS ORIGINAL LICENSING DISCUSSION RE CHANGING TO GPL from Artistic.
From: Alec Muffett <alecm@crypticide.com>
Subject: Re: cracklib license
Date: Mon, 1 Oct 2007 17:59:46 +0100
To: Nathan Neulinger <nneul@neulinger.org>
X-Mailer: Apple Mail (2.752.2)
X-Originating-Rutherford-IP: [82.68.43.14]
Return-Path: alecm@crypticide.com
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]
Status: RO
Content-Length: 585
Lines: 21

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

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

Happy now? :-)  

-a

1.1692 logstash-filter-split 3.1.8
1.1692.1 Available under license :

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The following is a list of people who have contributed ideas, code, bug reports, or in general have helped Logstash along its way.

Contributors:
* Colin Surprenant (colinsurprenant)
* John E. Vincent (lusis)
* Jordan Sissel (jordansissel)
* Pete Fritchman (fetep)
* Philippe Weber (wiibaa)
* Pier-Hugues Pellerin (ph)
* R. Toma (rtoma)
* Richard Pijnenburg (electrical)
* Suyog Rao (suyograo)

Note: If you've sent us patches, bug reports, or otherwise contributed to Logstash, and you aren't on the list above and want to be, please let us know and we'll make sure you're here. Contributions from folks like you are what make open source awesome.

1.1693 x-xerrors v0.0.0-20200804184101-5ec99f83aff1

1.1693.1 Available under license:

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1.1694 scope-analyzer 2.1.1

1.1694.1 Available under license :

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1.1695 x-pack-core 6.8.16

1.1695.1 Available under license :

Elasticsearch X-Pack

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### 1.1696 invokebinder 1.11

#### 1.1696.1 Available under license:

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

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*/

Found in path(s):
* /opt/cola/permits/1142800326_1615477347.28/0/invokebinder-1-11-sources-3-jar/com/headius/invokebinder/Binder.java
* /opt/cola/permits/1142800326_1615477347.28/0/invokebinder-1-11-sources-3
jar/com/headius/invokebinder/transform/Filter.java
* /opt/cola/permits/1142800326_1615477347.28/0/invokebinder-1-11-sources-3-jar/com/headius/invokebinder/transform/Permute.java
* /opt/cola/permits/1142800326_1615477347.28/0/invokebinder-1-11-sources-3-jar/com/headius/invokebinder/transform/Convert.java
* /opt/cola/permits/1142800326_1615477347.28/0/invokebinder-1-11-sources-3-jar/com/headius/invokebinder/transform/Fold.java
* /opt/cola/permits/1142800326_1615477347.28/0/invokebinder-1-11-sources-3-jar/com/headius/invokebinder/transform/Catch.java
* /opt/cola/permits/1142800326_1615477347.28/0/invokebinder-1-11-sources-3-jar/com/headius/invokebinder/transform/InvalidTransformException.java
* /opt/cola/permits/1142800326_1615477347.28/0/invokebinder-1-11-sources-3-jar/com/headius/invokebinder/transform/Collect.java
* /opt/cola/permits/1142800326_1615477347.28/0/invokebinder-1-11-sources-3-jar/com/headius/invokebinder/transform/Transform.java
* /opt/cola/permits/1142800326_1615477347.28/0/invokebinder-1-11-sources-3-jar/com/headius/invokebinder/transform/Varargs.java
* /opt/cola/permits/1142800326_1615477347.28/0/invokebinder-1-11-sources-3-jar/com/headius/invokebinder/transform/TryFinally.java
* /opt/cola/permits/1142800326_1615477347.28/0/invokebinder-1-11-sources-3-jar/com/headius/invokebinder/transform/Cast.java
* /opt/cola/permits/1142800326_1615477347.28/0/invokebinder-1-11-sources-3-jar/com/headius/invokebinder/transform/Drop.java
* /opt/cola/permits/1142800326_1615477347.28/0/invokebinder-1-11-sources-3-jar/com/headius/invokebinder/transform/Spread.java
* /opt/cola/permits/1142800326_1615477347.28/0/invokebinder-1-11-sources-3-jar/com/headius/invokebinder/transform/Insert.java
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1.1715 jitescript 0.4.1

1.1716 jackson 2.9.9

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1.1717 go-uber-org-multierr v1.1.0

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1.1721 babel-plugin-transform-es2015-sticky-regex 6.24.1

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1.1722 slf4j 1.6.1

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1.1725.1 Available under license :
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This 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. See the file Tech.Notes for some information on the internals.

This module is a wrapper that provides a POSIX API to the underlying PCRE functions.

Written by: Philip Hazel <ph10@cam.ac.uk>

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md5.c: NCSA HTTPd code which uses the md5c.c RSA Code

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License: Haines
This imagemap module started as a port of the original imagemap.c
written by Rob McCool (11/13/93 robm@ncsa.uiuc.edu).
This version includes the mapping algorithms found in version 1.3
of imagemap.c.

Contributors to this code include:

Kevin Hughes, kevinh@pulua.hcc.hawaii.edu

Eric Haines, erich@eye.com
"macmartinized" polygon code copyright 1992 by Eric Haines, erich@eye.com

Randy Terbush, randy@zyzzyva.com
port to Apache module format, "base_uri" and support for relative URLs

James H. Cloos, Jr., cloos@jhcloos.com
Added point datatype, using code in NCSA's version 1.8 imagemap.c
program, as distributed with version 1.4.1 of their server.
The point code is originally added by Craig Milo Rogers, Rogers@ISI.Edu
Nathan Kurz, nate@tripod.com
Rewrite/reorganization. New handling of default, base and relative URLs.

New Configuration directives:
  ImapMenu {none, formatted, semiformatted, unformatted}
  ImapDefault {error, nocontent, referer, menu, URL}
  ImapBase {map, referer, URL}

Support for creating non-graphical menu added. (backwards compatible):
  Old: directive URL [x,y ...]
  New: directive URL "Menu text" [x,y ...]
        or: directive URL x,y ... "Menu text"

Map format and menu concept courtesy Joshua Bell, jsbell@acs.ucalgary.ca.

Mark Cox, mark@ukweb.com, Allow relative URLs even when no base specified

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For compliance with Mr Darwin's terms: this has been very significantly modified from the free "file" command. 
- all-in-one file for compilation convenience when moving from one version of Apache to the next.
- Memory allocation is done through the Apache API's apr_pool_t structure.
- All functions have had necessary Apache API request or server structures passed to them where necessary to call other Apache API routines. (i.e. usually for logging, files, or memory allocation in itself or a called function.)
- struct magic has been converted from an array to a single-ended linked list because it only grows one record at a time, it's only accessed sequentially, and the Apache API has no equivalent of realloc().
- Functions have been changed to get their parameters from the server configuration instead of globals. (It should be reentrant now but has not been tested in a threaded environment.)
- Places where it used to print results to stdout now saves them in a list where they're used to set the MIME type in the Apache request record.
- Command-line flags have been removed since they will never be used here.

Ian Kluft <ikluft@cisco.com>
Engineering Information Framework
Central Engineering
Cisco Systems, Inc.
San Jose, CA, USA

- Initial installation          July/August 1996
Misc bug fixes                May 1997
Submission to Apache Software Foundation    July 1997

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C LALR(1) parser skeleton written by Richard Stallman, by simplifying the original so-called "semantic" parser.

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1.1728 python-setuptools 33.1.1 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.

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1.1730 mime-support 3.66

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1.1732 jackson-xc 2.10.5

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1.1765 fontconfig 2.13.1-4.2

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      value: '{{_ingest.timestamp}}'
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      field: event.created
      value: '{{@timestamp}}'
  - date:
      field: zeek.notice.ts
      formats:
        - UNIX
      remove:
        field: zeek.notice.ts
  - geoip:
      field: destination.ip
      target_field: destination.geo
      ignore_missing: true
  - geoip:
      field: source.ip
      target_field: source.geo
      ignore_missing: true
  - geoip:
      database_file: GeoLite2-ASN.mmdb
      field: source.ip
      target_field: source.as
      properties:
        - asn
        - organization_name
      ignore_missing: true
  - geoip:
      database_file: GeoLite2-ASN.mmdb
      field: destination.ip
      target_field: destination.as
      properties:
        - asn
        - organization_name
      ignore_missing: true
  - rename:
      field: source.as.asn
      target_field: source.as.number
      ignore_missing: true
  - rename:
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Dependency : github.com/andrewkroh/sys
Version: v0.0.0-20151128191922-287798fe3e43
Licence type (autodetected): BSD-3-Clause
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Version: v0.0.0-20200820155224-be881fa6b91d
Licence type (autodetected): MIT
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Dependency : github.com/bsm/sarama-cluster
Version: v2.1.14-0.20180625083203-7e67d87a6b3f+incompatible
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Dependency : github.com/cavaliercoder/go-rpm
Version: v0.0.0-20190131055624-7a9c54e3d83e
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Version: v22.0.0
Licence type (autodetected): Apache-2.0

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Version: v0.4.0
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Dependency : github.com/eclipse/paho.mqtt.golang
Version: v1.2.1-0.20200121105743-0d940dd29fd2
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Dependency : github.com/elastic/go-lookslike
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Dependency : github.com/fatih/color
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Dependency : github.com/elastic/fsevents
Version: v0.0.0-20181029231046-e1d381a4d270
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Dependency: github.com/adriansr/fsnotify
Version: v0.0.0-20180417234312-c9bbe1f46f1d
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Dependency: github.com/go-sql-driver/mysql
Version: v1.4.1
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Dependency: github.com/go-test/deep
Version: v1.0.7
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Dependency : github.com/gorilla/mux
Version: v1.7.2
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Dependency : github.com/h2non/filetype
Version: v1.1.1-0.20201130172452-f60988ab73d5
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Dependency : github.com/hashicorp/go-multierror
Version: v1.1.0
Licence type (autodetected): MPL-2.0

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Version: v1.0.4
Licence type (autodetected): MIT

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Version: v1.2.1-0.20190826204134-d7d95172beb5
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Version: v0.0.0-20140124173710-69b34d4ec901  
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Dependency: github.com/jonboulle/clockwork
Version: v0.2.2
Licence type (autodetected): Apache-2.0

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Version: v1.1.1-0.20200924160513-057808572ffa
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Version: v1.1.2-0.20190507191818-2ff3cb3adc01
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Dependency : github.com/magefile/mage
Version: v1.11.0
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Version: v0.1.6
Licence type (autodetected): MIT
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Version: v1.1.15
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Version: v0.0.0-20200313005456-10cdbea86bc0
Licence type (autodetected): BSD-2-Clause-FreeBSD

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Version: v0.0.0-20140522043831-2187045faa54
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Version: v1.2.0
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Dependency : github.com/spf13/pflag
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Version: v0.0.0-20200820211705-5c72a883971a
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Version: v0.0.0-20200317015054-43a5402ce75a
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Dependency : google.golang.org/protobuf
Version: v1.25.0
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Dependency : gopkg.in/inf.v0
Version: v0.9.1
Licence type (autodetected): BSD-3-Clause

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Version: v7.5.0
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Dependency : gopkg.in/mgo.v2
Version: v2.0.0-20160818020120-3f83fa500528
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mgo - MongoDB driver for Go

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Dependency : gopkg.in/yaml.v2
Version: v2.3.0
Licence type (autodetected): Apache-2.0
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Version: v3.1.0+incompatible
Licence type (autodetected): MIT

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Dependency : github.com/cavaliercoder/badio
Version: v0.0.0-20160213150051-ce5280129e9e
Licence type (autodetected): MIT

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Version: v0.2.1
Licence type (autodetected): Apache-2.0

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Dependency : github.com/cespare/xxhash
Version: v1.1.0
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Dependency : github.com/chzyer/logex
Version: v1.1.10
Licence type (autodetected): MIT
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Dependency : github.com/chzyer/readline
Version: v0.0.0-20180603132655-2972be24d48e
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Dependency : github.com/chzyer/test
Version: v0.0.0-20180213035817-a1ea475d72b1
Licence type (autodetected): MIT

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Dependency : github.com/client9/misspell
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Dependency : github.com/cncf/udpa/go
Version: v0.0.0-20191209042840-269d4d468f6f
Licence type (autodetected): Apache-2.0

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Dependency : github.com/cyphar/filepath-securejoin
Version: v0.2.2
Licence type (autodetected): BSD-3-Clause

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Dependency : github.com/davecgh/go-spew
Version: v1.1.1
Licence type (autodetected): ISC
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Dependency : github.com/davecgh/go-xdr
Version: v0.0.0-20161123171359-e6a2ba005892
Licence type (autodetected): ISC
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Version: v0.1.2-0.20190607222403-0c15cf42f9a2
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Version: v0.0.3-0.20200630154024-f66de99634de
Licence type (autodetected): Apache-2.0

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Dependency : github.com/dgrijalva/jwt-go
Version: v3.2.1-0.20190620180102-5e25c22bd5d6+incompatible
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Dependency : github.com/dgryski/go-farm
Version: v0.0.0-20190423205320-6a90982ecce2
Licence type (autodetected): MIT

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Dependency: github.com/dimchansky/utfbom
Version: v1.1.0
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Version: v0.0.1
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Version: v0.0.0-20180111231733-ee0de3bc6815
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Version: v0.0.0-20180814174437-776d5712da21
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Version: v0.0.0-20180725130230-947c36da3153
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Version: v0.1.0
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Dependency : github.com/go-gl/glfw/v3.3/glfw
Version: v0.0.0-20191125211704-12ad95a8df72
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Version: v0.0.0-20160704191624-1d0bd113de87
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Version: v0.0.0-20190719163853-cb61b32ac6fe
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Dependency : github.com/google/gofuzz
Version: v1.1.0
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Version: v1.0.2
Licence type (autodetected): MPL-2.0

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Dependency : github.com/json-iterator/go
Version: v1.1.10
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Dependency : github.com/jstemmer/go-junit-report
Version: v0.9.1
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Dependency : github.com/jtolds/gls
Version: v4.20.0+incompatible
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Dependency : github.com/julienschmidt/httprouter
Version: v1.2.0
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Dependency : github.com/kisielk/gotool
Version: v1.0.0
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match.go, match_test.go:

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Version: v1.11.0
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Dependency : github.com/konsorten/go-windows-terminal-sequences
Version: v1.0.2
Licence type (autodetected): MIT

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Dependency : github.com/kr/logfmt
Version: v0.0.0-20140226030751-b84e30acd515
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Go package for parsing (and, eventually, generating) log lines in the logfmt style.

See http://godoc.org/github.com/kr/logfmt for format, and other documentation and examples.

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Dependency : github.com/kr/pretty
Version: v0.2.1
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Dependency : github.com/magiconair/properties
Version: v1.8.0
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Dependency : github.com/mailru/easyjson
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Dependency : github.com/markbates/pkger
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Dependency : github.com/matttproud/golang_protobuf_extensions
Version: v1.0.2-0.20181231171920-c182affec369
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Version: v1.0.1
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Dependency: github.com/peterbourgon/diskv
Version: v2.0.1+incompatible
Licence type (autodetected): MIT

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Dependency: github.com/pierrec/lz4
Version: v2.5.2+incompatible
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Dependency : github.com/poy/eachers
Version: v0.0.0-20181020210610-23942921fe77
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Dependency : github.com/prometheus/client_golang
Version: v1.1.1-0.20190913103102-20428fa0bffc
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Version: v1.2.0
Licence type (autodetected): BSD-3-Clause

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Dependency : github.com/rogpeppe/go-internal
Version: v1.3.0
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Dependancy: github.com/russross/blackfriday
Version: v1.5.2
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Dependency: github.com/samuel/go-parser
No licence file provided.

Dependency: github.com/sanathkr/go-yaml
Version: v0.0.0-20170819195128-ed9d249f429b
Licence type (autodetected): Apache-2.0

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Dependency : github.com/sanathkr/yaml
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Version: v1.2.4
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Dependency : github.com/sirupsen/logrus
Version: v1.4.2
Licence type (autodetected): MIT

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Dependency : github.com/smartystreets/assertions
Version: v0.0.0-20180927180507-b2de0cb4f26d
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Version: v0.0.0-20190330032615-68dc04aab96a
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Dependency : github.com/spf13/afero
Version: v1.2.2
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Dependency : github.com/spf13/cast
Version: v1.3.0
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Dependency : github.com/syndtr/gocapability
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Dependency : github.com/ugorji/go
Version: v1.1.8
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Version: v0.0.0-20180220135811-781c575c9f0e
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Dependency : honnef.co/go/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
SUBDIRECTORIES

.hg

= vendor/bitbucket.org/ww/goautoneg/README.txt a33eda65f1be658f358e1d690c6a93d4
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----------------------------------------------------------------------------------------------------------------------------------
Dependency : sigs.k8s.io/yaml
Version: v1.2.0
Licence type (autodetected): MIT
----------------------------------------------------------------------------------------------------------------------------------
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- name: notice
type: group
description: Fields exported by the Zeek Notice log.

fields:
- name: connection_id
type: keyword
description: Identifier of the related connection session.

- name: icmp_id
type: keyword
description: Identifier of the related ICMP session.

- name: file.id
type: keyword
description: An identifier associated with a single file that is related to this notice.

- name: file.parent_id
type: keyword
description: Identifier associated with a container file from which this one was extracted.

- name: file.source
type: keyword
description: |
An identification of the source of the file data. E.g. it may be a network protocol over which it was transferred, or a local file path which was read, or some other input source.

- name: file.mime_type
type: keyword
description: >
  A mime type if the notice is related to a file.

- name: file.is_orig
type: boolean
description: |
  If the source of this file is a network connection, this field indicates if the file is being sent by the originator of the connection or the responder.

- name: file.seen_bytes
type: long
description: >
  Number of bytes provided to the file analysis engine for the file.

- name: ffile.total_bytes
type: long
description: >
  Total number of bytes that are supposed to comprise the full file.

- name: file.missing_bytes
type: long
description: |
  The number of bytes in the file stream that were completely missed during the process of analysis.

- name: file.overflow_bytes
type: long
description: |
  The number of bytes in the file stream that were not delivered to stream file analyzers. This could be overlapping bytes or bytes that couldn't be reassembled.

- name: fuid
type: keyword
description: >
  A file unique ID if this notice is related to a file.

- name: note
type: keyword
description: >
  The type of the notice.

- name: msg
The human readable message for the notice.

- name: sub
  type: keyword
  description: >
  The human readable sub-message.

- name: n
  type: long
  description: >
  Associated count, or a status code.

- name: peer_name
  type: keyword
  description: >
  Name of remote peer that raised this notice.

- name: peer_descr
  type: text
  description: >
  Textual description for the peer that raised this notice.

- name: actions
  type: keyword
  description: >
  The actions which have been applied to this notice.

- name: email_body_sections
  type: text
  description: |
  By adding chunks of text into this element, other scripts can expand on notices that are being emailed.

- name: email_delay_tokens
  type: keyword
  description: |
  Adding a string token to this set will cause the built-in emailing functionality to delay sending the email either the token has been removed or the email has been delayed for the specified time duration.

- name: identifier
  type: keyword
  description: >
  This field is provided when a notice is generated for the purpose of deduplicating notices.

- name: suppress_for
- type: double
  description:  
  This field indicates the length of time that this unique notice should be suppressed.

- name: dropped
  type: boolean
  description:  
  Indicate if the source IP address was dropped and denied network access.

paths:
  {{ range $i, $path := .paths }}
  - {{ $path }}
  {{ end }}
exclude_files: ".gz$"
tags: {{ .tags | tojson }}
publisher_pipeline.disable_host: {{ inList .tags "forwarded" }}

json.keys_under_root: false

processors:
  - drop_fields:
      fields: ["json.actions"]
      ignore_missing: true
  - rename:
      fields:
      - from: "json"
        to: "zeek.notice"
      - from: "zeek.notice.src"
        to: "source.address"
      - from: "zeek.notice.dst"
        to: "destination.address"
      - from: "zeek.notice.uid"
        to: "zeek.session_id"
      - from: "zeek.notice.p"
        to: "destination.port"
      - from: "zeek.notice.conn"
        to: "zeek.notice.connection_id"
      - from: "zeek.notice.iconn"
        to: "zeek.notice.icmp_id"
      - from: "zeek.notice.id.orig_h"
        to: "source.address"
- from: "zeek.notice.id.orig_p" to: "source.port"
- from: "zeek.notice.id.resp_h" to: "destination.address"
- from: "zeek.notice.id.resp_p" to: "destination.port"
- from: "zeek.notice.proto" to: "network.transport"
- from: "zeek.notice.id.orig_p" to: "source.port"
- from: "zeek.notice.f.id" to: "zeek.notice.file.id"
- from: "zeek.notice.f.parent_id" to: "zeek.notice.file.parent_id"
- from: "zeek.notice.f.source" to: "zeek.notice.file.source"
- from: "zeek.notice.f.is_orig" to: "zeek.notice.file.is_orig"
- from: "zeek.notice.f.seen_bytes" to: "zeek.notice.file.seen_bytes"
- from: "zeek.notice.f.total_bytes" to: "zeek.notice.file.total_bytes"
- from: "zeek.notice.file_mime_type" to: "zeek.notice.file.mime_type"

ignore_missing: true
fail_on_error: false

- drop_fields:
  fields: ["zeek.notice.remote_location", "zeek.notice.f"]
  ignore_missing: true
- convert:
  fields:
  - { from: "zeek.session_id", to: "event.id"}
  - { from: "source.address", to: "source.ip", type: "ip"}
  - { from: "destination.address", to: "destination.ip", type: "ip"}
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package licenser

import (  "encoding/json"  "testing"  "time"

  "github.com/stretchr/testify/assert"
)

func TestLicenseUnmarshal(t *testing.T) {
tests := map[string]struct {

- {from: "zeek.notice.file.total_bytes", to: "file.size"}
- {from: "zeek.notice.file.mime_type", to: "file.mime_type"}
- {from: "zeek.notice.note", to: "rule.name"}
- {from: "zeek.notice.msg", to: "rule.description"}
ignore_missing: true
fail_on_error: false
- add_fields:
target: event
fields:
  kind: alert
category:
  - intrusion_detection
type:
  - info
- community_id:
- add_fields:
target: 
fields:
  ecs.version: 1.9.0
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// specific language governing permissions and limitations
// under the License.
func TestIsExpired(t *testing.T) {
    expired := true

    tests := map[string]struct {
                license License
        }

    for name, test := range tests {
        t.Run(name, func(t *testing.T) {
            var got License
            if err := json.Unmarshal([]byte(test.lic), &got); err != nil {
                if !test.failing {
                    t.Fatal(err)
                }
                return
            }

            if test.failing {
                t.Fatal("expected license to be invalid")
            }

            assert.Equal(t, test.want, got)
        })
    }
}
want bool

"trial is expired": {
    license: License{Type: Trial, ExpiryDate: time.Now().Add(-2 * time.Hour)},
    want: expired,
},
"trial is not expired": {
    license: License{Type: Trial, ExpiryDate: time.Now().Add(2 * time.Minute)},
    want: !expired,
},
"license is not on trial": {
    license: License{Type: Basic, ExpiryDate: time.Now().Add(2 * time.Minute)},
    want: !expired,
},
"state is expired": {
    license: License{Type: Enterprise, Status: Expired},
    want: expired,
},
"active enterprise license": {
    license: License{Type: Enterprise, Status: Active},
    want: !expired,
},

for name, test := range tests {
    t.Run(name, func(t *testing.T) {
        assert.Equal(t, test.want, IsExpired(test.license))
    })
}

{{- define "depInfo" -}}
{{- range $i, $dep := . }}
    {{ $dep.Name }},{{ $dep.URL }},{{ $dep.Version | canonicalVersion }},{{ $dep.Version | revision }},{{ $dep.LicenceType }}
{{- end -}}
{{- end -}}
name,url,version,revision,license,sourceURL{{ template "depInfo" .Direct }}{{ template "depInfo" .Indirect }}

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Third party libraries used by the Elastic Beats project:

Indirect dependencies

var:
- name: paths
default:
  - /var/log/bro/current/notice.log
os.linux:
  - /var/log/bro/current/notice.log
os.darwin:
  - /usr/local/var/logs/current/notice.log
- name: tags
default: [zeek.notice]

ingest_pipeline: ingest/pipeline.yml
input: config/notice.yml

requires.processors:
- name: geoip
  plugin: ingest-geoip

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package licenses

import "fmt"

var ASL2 = `
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`

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`

func Find(name string) (string, error) {
    switch name {
    case "ASL2":
        return ASL2, nil
    case "Elastic":
        return Elastic, nil
    }

package licenser

import (
    "encoding/json"
    "fmt"
    "time"
)

// License represents the license of this beat, the license is fetched and returned from
// the elasticsearch cluster.

// The x-pack endpoint returns the following JSON response.

//
//{
//   "license": {
//      "status": "active",
//      "uid": "cbff45e7-c553-41f7-ae4f-9205eabd80xx",
//      "type": "trial",
//      "issue_date": "2018-10-20T22:05:12.332Z",
//      "issue_date_in_millis": 1540073112332,
//      "expiry_date": "2018-11-19T22:05:12.332Z",
//      "expiry_date_in_millis": 1542665112332,
//      "max_nodes": 1000,
//      "issued_to": "test",
//      "issuer": "elasticsearch",
//      "start_date_in_millis": -1
//   }
// }

// Definition:
// type is the installed license.
// mode is the license in operation. (effective license)
// status is the type installed is active or not.

type License struct {
    UUID       string      `json:"uid"`
    Type       LicenseType `json:"type"`
    Status     State       `json:"status"`
    ExpiryDate time.Time   `json:"expiry_date_in_millis,omitempty"
}

func (l *License) UnmarshalJSON(b []byte) error {
    document := struct {
        UUID       string  `json:"uid"`
        Type       LicenseType `json:"type"`
        Status     State     `json:"status"`
        ExpiryDate int64     `json:"expiry_date_in_millis,omitempty"
    }{}

    // Unmarshal the JSON into the struct
    if err := json.Unmarshal(b, &document); err != nil {
        return err
    }

    // Set the fields of the License struct
    l.UUID = document.UUID
    l.Type = document.Type
    l.Status = document.Status
    l.ExpiryDate = document.ExpiryDate

    return nil
}
if err := json.Unmarshal(b, &document); err != nil {
    return err
}

var expiryTime time.Time
if document.ExpiryDate != 0 {
    expiryTime = time.Unix(0, int64(time.Millisecond)*int64(document.ExpiryDate)).UTC()
} else if document.Type == Trial {
    return fmt.Errorf("missing expiry_date_in_millis on trial license")
}

*l = License{
    UUID:       document.UUID,
    Type:       document.Type,
    Status:     document.Status,
    ExpiryDate: expiryTime,
}
return nil

// Cover returns true if the provided license is included in the range of license.
//
// Basic -> match basic, gold and platinum
// gold -> match gold and platinum
// platinum -> match platinum only
func (l *License) Cover(license LicenseType) bool {
    if l.Type >= license {
        return true
    }
    return false
}

// IsExpired checks if the installed Elasticsearch license is still valid.
func IsExpired(l License) bool {
    return l.Status == Expired || (l.Type == Trial && time.Now().After(l.ExpiryDate))
}

// EqualTo returns true if the two license are the same, we compare license to reduce the number
// message send to the watchers.
func (l *License) EqualTo(other *License) bool {
    return l.UUID == other.UUID &&
    l.Type == other.Type &&
    l.Status == other.Status
}

// Cover returns true if the provided license is included in the range of license.
//
// Basic -> match basic, gold and platinum
// gold -> match gold and platinum
// platinum -> match platinum only
func (l *License) Cover(license LicenseType) bool {
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    }
    return false
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    l.Type == other.Type &&
    l.Status == other.Status
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// Cover returns true if the provided license is included in the range of license.
//
// Basic -> match basic, gold and platinum
// gold -> match gold and platinum
// platinum -> match platinum only
func (l *License) Cover(license LicenseType) bool {
    if l.Type >= license {
        return true
    }
    return false
}

// IsExpired checks if the installed Elasticsearch license is still valid.
func IsExpired(l License) bool {
    return l.Status == Expired || (l.Type == Trial && time.Now().After(l.ExpiryDate))
}

// EqualTo returns true if the two license are the same, we compare license to reduce the number
// message send to the watchers.
func (l *License) EqualTo(other *License) bool {
    return l.UUID == other.UUID &&
    l.Type == other.Type &&
    l.Status == other.Status
}

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Posted Date: April 20, 2018

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```
# MurmurHash.js

An optimized JavaScript implementation of the MurmurHash algorithms.

These algorithms take a JavaScript string (and a seed), and quickly create a non-cryptographic 32-bit hash from it. And by quick I mean sub-millisecond performance.

More information about these algorithms can be found at:

* [MurmurHash Homepage](http://sites.google.com/site/murmurhash/)
* [Wikipedia Entry on MurmurHash](http://en.wikipedia.org/wiki/MurmurHash)

## Install

```
  npm install murmurhash-js
```

## API

```
```

```javascript
  var murmur = require("murmurhash-js")
```

### Methods

```javascript
```

```javascript
  murmur.murmur2(key, seed)
```
Runs the murmur2 hash algorithm on the string `key` with initial seed `seed`.

```javascript
  murmur.murmur3(key, seed)
```
Runs the murmur3 hash algorithm on the string `key` with initial seed `seed`.

**Note**: `require("murmur-hash")` is the same as `murmur.murmur3`

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# Contributions to the urllib3 project

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## Contributors

In chronological order:

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

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

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

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

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

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

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

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

* Brandon Rhodes <http://rhodesmill.org/brandon>
* Design review, bugfixes, test coverage.
* studer <theo.studer@gmail.com>
  * IPv6 url support and test coverage

* Shivaram Lingamneni <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

* Shivvan 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]
1.1778 startpar 0.59-3.1

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1.1780 ghodss-yaml 1.0.1

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1.1785 resolve-protobuf-schema 2.1.0

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1.1786 kbn-pm 1.0.0

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validate-npm-package-license

Give me a string and I'll tell you if it's a valid npm package license string.

```javascript
var valid = require('validate-npm-package-license');
```

SPDX license identifiers are valid license strings:

```javascript
var assert = require('assert');
var validSPDXExpression = {
  validForNewPackages: true,
  validForOldPackages: true,
  spdx: true
};
assert.deepEqual(valid('MIT'), validSPDXExpression);
assert.deepEqual(valid('BSD-2-Clause'), validSPDXExpression);
assert.deepEqual(valid('Apache-2.0'), validSPDXExpression);
assert.deepEqual(valid('ISC'), validSPDXExpression);
```

The function will return a warning and suggestion for nearly-correct license identifiers:

```javascript
assert.deepEqual(
  valid('Apache 2.0'),
  {
    validForOldPackages: false,
    validForNewPackages: false,
    warnings: [
      'license should be ' +
```
'a valid SPDX license expression (without "LicenseRef"), ' + 
"UNLICENSED", or ' + 
"SEE LICENSE IN <filename>"', 
'license is similar to the valid expression "Apache-2.0"
 ]
 }
);
```

SPDX expressions are valid, too ...

```javascript
// Simple SPDX license expression for dual licensing
assert.deepEqual(
    valid('(GPL-3.0-only OR BSD-2-Clause)'),
    validSPDXExpression
);
```

... except if they contain `LicenseRef`:

```javascript
var warningAboutLicenseRef = {
    validForOldPackages: false,
    validForNewPackages: false,
    spdx: true,
    warnings: [
        'license should be ' + 
        'a valid SPDX license expression (without "LicenseRef"), ' + 
        "UNLICENSED", or ' + 
        "SEE LICENSE IN <filename>"',
    ]
};

assert.deepEqual(
    valid('LicenseRef-Made-Up'),
    warningAboutLicenseRef
);
```

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```javascript
```
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1.1801 libxdmcp 1.1.2-3

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1.1803 ewma v1.1.1

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1.1804 json-path 2.4.0

1.1805 netty-handler 4.1.59.Final

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  jar/io/netty/handler/ssl/util/LazyJavaxX509Certificate.java
* /opt/cola/permits/1145449572_1616156172.9/0/netty-handler-4-1-59-final-sources-
  jar/io/netty/handler/ssl/SslContextBuilder.java
* /opt/cola/permits/1145449572_1616156172.9/0/netty-handler-4-1-59-final-sources-
  jar/io/netty/handler/ssl/OpenSslSessionTicketKey.java
* /opt/cola/permits/1145449572_1616156172.9/0/netty-handler-4-1-59-final-sources-
  jar/io/netty/handler/ssl/ApplicationProtocolNegotiationHandler.java
* /opt/cola/permits/1145449572_1616156172.9/0/netty-handler-4-1-59-final-sources-
  jar/io/netty/handler/ssl/ApplicationProtocolAccessor.java
* /opt/cola/permits/1145449572_1616156172.9/0/netty-handler-4-1-59-final-sources-
  jar/io/netty/handler/ssl/ApplicationProtocolNames.java

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* /opt/cola/permits/1145449572_1616156172.9/0/netty-handler-4-1-59-final-sources-jar/io/netty/handler/ssl/util/KeyManagerFactoryWrapper.java
* /opt/cola/permits/1145449572_1616156172.9/0/netty-handler-4-1-59-final-sources-jar/io/netty/handler/ssl/SslMasterKeyHandler.java
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* /opt/cola/permits/1145449572_1616156172.9/0/netty-handler-4-1-59-final-sources-jar/io/netty/handler/ssl/util/X509KeyManagerWrapper.java
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* /opt/cola/permits/1145449572_1616156172.9/0/netty-handler-4-1-59-final-sources-jar/io/netty/handler/ssl/util/TrustManagerFactoryWrapper.java
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* /opt/cola/permits/1145449572_1616156172.9/0/netty-handler-4-1-59-final-sources.jar/io/netty/handler/ssl/util/LazyXS09Certificate.java
* /opt/cola/permits/1145449572_1616156172.9/0/netty-handler-4-1-59-final-sources.jar/io/netty/handler/ssl/CipherSuiteFilter.java
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* /opt/cola/permits/1145449572_1616156172.9/0/netty-handler-4-1-59-final-sources.jar/io/netty/handler/ssl/JettyNpnSslEngine.java
* /opt/cola/permits/1145449572_1616156172.9/0/netty-handler-4-1-59-final-sources.jar/io/netty/handler/ssl/Java7SslParametersUtils.java
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* /opt/cola/permits/1145449572_1616156172.9/0/netty-handler-4-1-59-final-sources.jar/io/netty/handler/ipfilter/UniqueIpFilter.java
* /opt/cola/permits/1145449572_1616156172.9/0/netty-handler-4-1-59-final-sources.jar/io/netty/handler/ssl/JdkSslEngine.java
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* /opt/cola/permits/1145449572_1616156172.9/0/netty-handler-4-1-59-final-sources.jar/io/netty/handler/ipfilter/IpFilterRuleType.java
* /opt/cola/permits/1145449572_1616156172.9/0/netty-handler-4-1-59-final-sources.jar/io/netty/handler/ssl/SslProvider.java
Jar files:
- jar/io/netty/handler/ssl/SniHandler.java
- jar/io/netty/handler/ssl/util/FingerprintTrustManagerFactory.java
- jar/io/netty/handler/ssl/OpenSslSessionStats.java
- jar/io/netty/handler/ssl/OpenSslSessionStats.java
- jar/io/netty/handler/ipfilter/RuleBasedIpFilter.java

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- jar/io/netty/handler/stream/ChunkedNioStream.java
- jar/io/netty/handler/ssl/util/package-info.java
- jar/io/netty/handler/stream/ChunkedNioFile.java
- jar/io/netty/handler/stream/package-info.java
- jar/io/netty/handler/stream/ChunkedWriteFile.java
- jar/io/netty/handler/stream/ChunkedWriteFile.java
- jar/io/netty/handler/stream/package-info.java
- jar/io/netty/handler/stream/ReadTimeoutHandler.java
- jar/io/netty/handler/logging/LoggingHandler.java
- jar/io/netty/handler/stream/ChunkedNioFile.java
- jar/io/netty/handler/stream/WriteTimeOutException.java
- jar/io/netty/handler/stream/ChunkedNioFile.java
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* /opt/cola/permits/1145449572_1616156172.9/0/netty-handler-4-1-59-final-sources-jar/io/netty/handler/timeout/TimeoutException.java
* /opt/cola/permits/1145449572_1616156172.9/0/netty-handler-4-1-59-final-sources-jar/io/netty/handler/stream/ChunkedStream.java
* /opt/cola/permits/1145449572_1616156172.9/0/netty-handler-4-1-59-final-sources-jar/io/netty/handler/logging/package-info.java

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jar/io/netty/handler/ssl/OpenSslKeyMaterialProvider.java
* /opt/cola/permits/1145449572_1616156172.9/0/netty-handler-4-1-59-final-sources-
jar/io/netty/handler/ssl/OpenSslPrivateKey.java
* /opt/cola/permits/1145449572_1616156172.9/0/netty-handler-4-1-59-final-sources-
jar/io/netty/handler/ssl/OpenSslX509TrustManagerWrapper.java
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jar/io/netty/handler/ssl/OpenSslX509KeyManagerFactory.java
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jar/io/netty/handler/traffic/ChannelTrafficShapingHandler.java
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jar/io/netty/handler/ssl/ReferenceCountedOpenSslClientContext.java
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jar/io/netty/handler/ssl/OpenSslKeyMaterialManager.java
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jar/io/netty/handler/ssl/PemValue.java
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jar/io/netty/handler/ssl/PemX509CertificateException.java
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1.1817 sqlite 3.30.1-r1

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1.1818 node-glob 7.1.6+~7.1.3-1

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1.1819 pyudev 0.15

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To: Stephen Frost <sfrost@debian.org>
Subject: Re: Mark Adamson 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
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* In-reply-to: <20030528162613.GB8524@ns.snowman.net>
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1.1825 alpine-baselayout 3.2.0-r3

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## Commands to generate dependency files
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)

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

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

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

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

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

## Shared object suffix
SO = so

## Non-shared intermediate object suffix
STATIC_O = ao

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

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

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

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

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

## Bind internal references

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

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

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

## End BSD-specific setup

### 1.1841 react-toggle 4.0.2

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

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1.1845 libsepol 2.5 10.el7

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1.1852 unicode-match-property-ecmascript

1.0.4

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* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
  jar/io/netty/handler/ssl/SslCompletionEvent.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
  jar/io/netty/handler/ssl/SniCompletionEvent.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
  jar/io/netty/handler/ssl/ConscryptAlpnSslEngine.java
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  jar/io/netty/handler/ssl/SslCloseCompletionEvent.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
  jar/io/netty/handler/ssl/Conscrypt.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
  jar/io/netty/handler/ssl/Java9SslEngine.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
  jar/io/netty/handler/ssl/ocsp/package-info.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
  jar/io/netty/handler/ssl/OptionalSslHandler.java

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* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-jar/io/netty/handler/ssl/PemReader.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
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* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-jar/io/netty/handler/ssl/OpenSslCachingX509KeyManagerFactory.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-jar/io/netty/handler/ssl/SignatureAlgorithmConverter.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-jar/io/netty/handler/ssl/OpenSslTlsv13X509ExtendedTrustManager.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-jar/io/netty/handler/ssl/OpenSslCachingX509KeyManagerFactory.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-jar/io/netty/handler/ssl/OpenSslX509TrustManager.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-jar/io/netty/handler/ssl/OpenSslX509TrustManager.java

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* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
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jar/io/netty/handler/ssl/PemValue.java

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  jar/io/netty/handler/ssl/OpenSslJavaxX509Certificate.java
  jar/io/netty/handler/ssl/SSLContextBuilder.java
  jar/io/netty/handler/ssl/ApplicationProtocolNegotiationHandler.java
  jar/io/netty/handler/ssl/ClientAuth.java
  jar/io/netty/handler/ssl/ApplicationProtocolNegotiationHandler.java

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 * /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
   jar/io/netty/handler/stream/package-info.java
 * /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
   jar/io/netty/handler/ssl/NotSslRecordException.java
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 * /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
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   jar/io/netty/handler/logging/LogLevel.java

1.1864 python-defaults 2.7.13 2

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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
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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1.1868 @babel/plugin-syntax-json-strings

7.2.0

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1.1883 arr-diff 4.0.0

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1.1884 lzo 2.06 8.el7

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1.1886 ipaddr.js 1.9.1

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1.1887 react-anything-sortable 1.7.4

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1.1888 ajv-keywords 3.2.0

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1.1889 libcap-ng 0.7.7-3+b1

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1.1890 icu 67.1-7

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## 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 $<"  
@foreach SHELL $\"(SHELL) -ec \"$(GEN_DEPS.c) $< \n| sed \"%s/\($*\)\.o[ \:]*/\1.o $@ : /g\" \n[ -s $@ ] || rm -f $@\"  

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

## Versioned libraries rules

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

## Bind internal references

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

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

## Remove shared library 's'

STATIC_PREFIX_WHEN_USED =  
STATIC_PREFIX =  

## End BSD-specific setup

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

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Index: tdbsa/tdb.c

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

- trivial database library - private includes
-
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Theodore Ts'o
23-June-2007

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

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

http://sourceforge.net/projects/e2fsprogs

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

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

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:

tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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

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

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

image::$(BSD_LIB)

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

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

install-strip: install

install-shlibs-strip: install-shlibs

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

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)
This is the Debian GNU/Linux prepackaged version of the Common Error Description library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

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

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Gadi Oxman, August 1995

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1.1898 encode-uri-query 1.0.0
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eName.js

*/

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1.1900 nanomatch 1.2.9

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1.1901 go-openapi-spec v0.20.3

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package spec

import (
    "encoding/json"
    "testing"
    
    "github.com/stretchr/testify/assert"
)

var license = License{
    LicenseProps: LicenseProps{Name: "the name", URL: "the url"},
    VendorExtensible: VendorExtensible{Extensions: map[string]interface{}{"x-license": "custom term"}}
}

cost licenseJSON = `[
    "name": "the name",
    "url": "the url",
    "x-license": "custom term"
]`

func TestIntegrationLicense(t *testing.T) {
    // const licenseYAML = "name: the name
    // url: the url"

    b, err := json.MarshalIndent(license, "", "\t")
    if assert.NoError(t, err) {
        assert.Equal(t, licenseJSON, string(b))
    }

    actual := License{}
    err = json.Unmarshal([]byte(licenseJSON), &actual)
    if assert.NoError(t, err) {
        assert.EqualValues(t, license, actual)
    }
}

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package spec

import (
    "encoding/json"
    "github.com/go-openapi/swag"
)

// License information for the exposed API.
//
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
    LicenseProps
    VendorExtensible
}

// LicenseProps holds the properties of a License object
type LicenseProps struct {
    Name string `json:"name,omitempty"`
    URL  string `json:"url,omitempty"`
}

// UnmarshalJSON hydrates License from json
func (l *License) UnmarshalJSON(data []byte) error {
    if err := json.Unmarshal(data, &l.LicenseProps); err != nil {
        return err
    }
    return json.Unmarshal(data, &l.VendorExtensible)
}

// MarshalJSON produces License as json
func (l License) MarshalJSON() ([]byte, error) {
    b1, err := json.Marshal(l.LicenseProps)
    if err != nil {
        return nil, err
    }
    b2, err := json.Marshal(l.VendorExtensible)
    if err != nil {
        return nil, err
    }
    return swag.ConcatJSON(b1, b2), nil
}
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* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-jar/org/springframework/http/converter/json/Jackson2ObjectMapperBuilder.java
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  jar/org/springframework/web/util/IntrospectorCleanupListener.java
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  jar/org/springframework/web/bind/annotation/ValueConstants.java
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  jar/org/springframework/web/bind/annotation/InitBinder.java
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  jar/org/springframework/web/jsf/DecoratingNavigationHandler.java
* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-
  jar/org/springframework/web/client/RestClientException.java
* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-
  jar/org/springframework/web/jsf/DelegatingPhaseListenerMulticaster.java
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  jar/org/springframework/remoting/jaxws/JaxWsSoapFaultException.java
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  jar/org/springframework/web/context/ConfigurableWebEnvironment.java
* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-
  jar/org/springframework/web/context/support/SpringBeanAutowiringSupport.java
* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-
  jar/org/springframework/web/HttpMediaTypeNotAcceptableException.java
* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-
  jar/org/springframework/web/bind/MissingServletRequestParameterException.java
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  jar/org/springframework/http/MediaTypeEditor.java
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application/andrew-insetez
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# application/atf
# application/atfx
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application/patch-ops-error+xml xer
application/pdf pdf
# application/pdx
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# application/pgp-keys
application/pgp-signature asc sig
application/pics-rules prf
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# application/pkcs12
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* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-
  jar/org/springframework/http/mime.types
No license file was found, but licenses were detected in source scan.

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  * Return the web session for the current request. Always guaranteed to
  * return an instance either matching to the session id requested by the
  * client, or with a new session id either because the client did not
  * specify one or because the underlying session had expired. Use of this
  * method does not automatically create a session. See {@link WebSession}
  * for more details.
*/

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1.1920 goprotobuf v1.5.2

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1.1922 number-is-nan 1.0.1

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1.1926 thrift-server 0.3.7

1.1927 connect-json 2.7.1

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1.1928 binutils 2.27-44.base.el7

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

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

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

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

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

The Intel 80386 machine description was written by Eliot Dresselhaus.

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

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

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

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

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

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

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

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

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

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

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

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

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

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

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

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

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.
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5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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

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

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

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

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

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

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

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

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

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

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

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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**1.1929 sqlite 3.8.10.2**

**1.1930 babel-helper-function-name 6.24.1**

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1.1931 mitchellh-cli v1.1.0

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1.1943 babel-plugin-syntax-trailing-function-commas 6.22.0

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1.1944 element-resize-detector 1.1.14

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### 1.1948 javax-ws-rs-api 2.1.1

### 1.1949 j-keck-arping v0.0.0-20160618110441-2cf9dc699c56
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Eclipse

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

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

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

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

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

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Oracle OpenJDK

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* java.sun.security.ssl

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

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OW2

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

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Apache

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

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MortBay

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

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

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*/

package license

import (
    "context"
    "flag"
    "github.com/vmware/govmomi/govc/cli"
    "github.com/vmware/govmomi/govc/flags"
    "github.com/vmware/govmomi/license"
    "github.com/vmware/govmomi/vim25/types"
)

type assign struct {
    *flags.ClientFlag
    *flags.OutputFlag
    *flags.HostSystemFlag
    *flags.ClusterFlag
}
name  string
remove bool
}

func init() {
cli.Register("license.assign", &assign{})
}

func (cmd *assign) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)

    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)

    cmd.HostSystemFlag, ctx = flags.NewHostSystemFlag(ctx)
    cmd.HostSystemFlag.Register(ctx, f)

    cmd.ClusterFlag, ctx = flags.NewClusterFlag(ctx)
    cmd.ClusterFlag.Register(ctx, f)

    f.StringVar(&cmd.name, "name", "", "Display name")
    f.BoolVar(&cmd.remove, "remove", false, "Remove assignment")
}

func (cmd *assign) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }

    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }

    if err := cmd.HostSystemFlag.Process(ctx); err != nil {
        return err
    }

    return cmd.ClusterFlag.Process(ctx)
}

func (cmd *assign) Usage() string {
    return "KEY"
}

func (cmd *assign) Description() string {
    return `Assign licenses to HOST or CLUSTER.
Examples:
govc license.assign $VCSA_LICENSE_KEY
govc license.assign -host a_host.example.com $ESX_LICENSE_KEY`
gove license.assign -cluster a_cluster $VSAN_LICENSE_KEY

func (cmd *assign) Run(ctx context.Context, f *flag.FlagSet) error {
    if f.NArg() != 1 {
        return flag.ErrHelp
    }

    key := f.Arg(0)

    client, err := cmd.Client()
    if err != nil {
        return err
    }

    m, err := license.NewManager(client).AssignmentManager(ctx)
    if err != nil {
        return err
    }

    host, err := cmd.HostSystemIfSpecified()
    if err != nil {
        return err
    }

    var id string
    if host == nil {
        cluster, cerr := cmd.ClusterIfSpecified()
        if cerr != nil {
            return cerr
        }
        if cluster == nil {
            // Default to vCenter UUID
            id = client.ServiceContent.About.InstanceUuid
        } else {
            id = cluster.Reference().Value
        }
    } else {
        id = host.Reference().Value
    }

    if cmd.remove {
        return m.Remove(ctx, id)
    }

    info, err := m.Update(ctx, id, key, cmd.name)
    if err != nil {

package license

import (  
    "context"  
    "flag"  
    "
github.com/vmware/govmomi/govc/cli"  
    "github.com/vmware/govmomi/govc/flags"  
    "github.com/vmware/govmomi/license"  
  )

var featureUsage = "List licenses with given feature"

type ls struct {  
    *flags.ClientFlag  
    *flags.OutputFlag  
    feature string  
  }

func init() {  
    cli.Register("license.ls", &ls{ })  
  }

func (cmd *ls) Register(ctx context.Context, f *flag.FlagSet) {  
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)  
    cmd.ClientFlag.Register(ctx, f)
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)  
    cmd.ClientFlag.Register(ctx, f)
}
cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
cmd.OutputFlag.Register(ctx, f)

f.StringVar(&cmd.feature, "feature", "", featureUsage)
}

func (cmd *ls) Process(ctx context.Context) error {
if err := cmd.ClientFlag.Process(ctx); err != nil {
return err
}
if err := cmd.OutputFlag.Process(ctx); err != nil {
return err
}
return nil
}

func (cmd *ls) Run(ctx context.Context, f *flag.FlagSet) error {
client, err := cmd.Client()
if err != nil {
return err
}

m := license.NewManager(client)
result, err := m.List(ctx)
if err != nil {
return err
}

if cmd.feature != "" {
result = result.WithFeature(cmd.feature)
}

return cmd.WriteResult(licenseOutput(result))
}
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*/

package license

import {
    "context"
    "flag"
    "fmt"

    "github.com/vmware/govmomi/govc/cli"
    "github.com/vmware/govmomi/govc/flags"
    "github.com/vmware/govmomi/license"
    "github.com/vmware/govmomi/vim25/types"
}

type add struct {
    *flags.ClientFlag
    *flags.OutputFlag
}

func init() {
    cli.Register("license.add", &add{})
}

func (cmd *add) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)
    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)
}

func (cmd *add) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }
    return nil
}

func (cmd *add) Usage() string {
    return "KEY..."
}

func (cmd *add) Run(ctx context.Context, f *flag.FlagSet) error {

client, err := cmd.Client()
if err != nil {
    return err
}

m := license.NewManager(client)

// From the vSphere 5.5 documentation:
//
// To specify the edition type and any optional functions, use
// updateLicense for ESX Server and addLicense follow by
// LicenseAssignmentManager.updateAssignedLicense for VirtualCenter.
//
var addFunc func(ctx context.Context, key string, labels map[string]string) (types.LicenseManagerLicenseInfo, error)
switch t := client.ServiceContent.About.ApiType; t {
    case "HostAgent":
        addFunc = m.Update
    case "VirtualCenter":
        addFunc = m.Add
    default:
        return fmt.Errorf("unsupported ApiType: %s", t)
}

result := make(licenseOutput, 0)
for _, v := range f.Args() {
    license, err := addFunc(ctx, v, nil)
    if err != nil {
        return err
    }
    result = append(result, license)
}

return cmd.WriteResult(licenseOutput(result))

#!/usr/bin/env bats
load test_helper
# These tests should only run against a server running an evaluation license.
verify_evaluation() {
    if [ $(govc license.ls -json | jq -r .[0].EditionKey) != "eval" ]; then
        skip "requires evaluation license"
    fi
}

get_key() {
jq "[].[] | select(.LicenseKey == "$1")"
}

get_property() {
  jq ".Properties[].[] | select(.Key == "$1") | .Value"
}

get_label() {
  govc license.ls -json | jq "[].[] | select(.LicenseKey == "$1") | .Labels[].[] | select(.Key == "$2") | .Value"
}

get_nlabel() {
  govc license.ls -json | jq "[].[] | select(.LicenseKey == "$1") | .Labels[].Key" | wc -l
}

@test "license.add" {
  esx_env

  verify_evaluation

  run govc license.add -json 00000-00000-00000-00000-00001 00000-00000-00000-00000-00002 <<<${output}
  assert_success

  # Expect to see an entry for both the first and the second key
  assert_equal "License is not valid for this product" "$(get_property diagnostic)"
}

@test "license.remove" {
  esx_env

  verify_evaluation

  run govc license.remove -json 00000-00000-00000-00000-00001 <<<${output}
  assert_success
}

@test "license.ls" {
  vcsim_env

  verify_evaluation

  run govc license.ls -json <<<${output}
  assert_success

  # Expect the test instance to run in evaluation mode
assert_equal "Evaluation Mode" "$(get_key 00000-00000-00000-00000-00000 <<<$output | jq -r ".Name")"
}

@test "license.decode" {
    esx_env
    verify_evaluation

    key=00000-00000-00000-00000-00000
    assert_equal "eval" $(govc license.decode $key | grep $key | awk '{print $2}')
}

@test "license.label.set" {
    vcsim_env

    key=00000-00000-00000-00000-00000

    assert_equal 0 "$(get_nlabel $key)"
    assert_equal "" "$(get_label $key foo)"

    run govc license.label.set $key foo bar
    assert_success

    assert_equal 1 "$(get_nlabel $key)"
    assert_equal bar "$(get_label $key foo)"

    run govc license.label.set $key biz baz
    assert_success
    run govc license.label.set $key foo bar2
    assert_success

    assert_equal 2 "$(get_nlabel $key)"
    assert_equal bar2 "$(get_label $key foo)"

    run govc license.label.set $key foo ""
    assert_success

    assert_equal 1 "$(get_nlabel $key)"
    assert_equal "" "$(get_label $key foo)"
}
/

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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",
        },
    }}
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{},
    }

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

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

    return body
}

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

    info.LicenseKey = key
    info.Labels = labels

    return info
}

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package license

import (  
    "context"  
    "flag"  
    "github.com/vmware/govmomi/govc/cli"  
    "github.com/vmware/govmomi/govc/flags"  
    "github.com/vmware/govmomi/license"  
    "github.com/vmware/govmomi/vim25/methods"  
    "github.com/vmware/govmomi/vim25/types"  
)
type label struct {
    *flags.ClientFlag
}

func init() {
    cli.Register("license.label.set", &label{})
}

func (cmd *label) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)
}

func (cmd *label) Usage() string {
    return "LICENSE KEY VAL"
}

func (cmd *label) Description() string {
    return `Set license labels.
Examples:
govc license.label.set 00000-00000-00000-00000-00000 team cnx # add/set label
govc license.label.set 00000-00000-00000-00000-00000 team "" # remove label
govc license.ls -json | jq ".[].LicenseKey"`}

func (cmd *label) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }

    m := license.NewManager(client)
    if f.NArg() != 3 {
        return flag.ErrHelp
    }

    req := types.UpdateLicenseLabel{
        This: m.Reference(),
        LicenseKey: f.Arg(0),
        LabelKey:   f.Arg(1),
        LabelValue: f.Arg(2),
    }

    _, err = methods.UpdateLicenseLabel(ctx, m.Client(), &req)
    return err
}
package simulator

import (    "context"    "reflect"    "testing"
    "github.com/vmware/govmomi"    "github.com/vmware/govmomi/find"    "github.com/vmware/govmomi/license"
)

func TestLicenseManagerVPX(t *testing.T) {    ctx := context.Background()    m := VPX()    defer m.Remove()    err := m.Create()    if err != nil {        t.Fatal(err)    }
    s := m.Service.NewServer()    defer s.Close()    c, err := govmomi.NewClient(ctx, s.URL, true)    if err != nil {        t.Fatal(err)    }
    lm := license.NewManager(c.Client)
am, err := lm.AssignmentManager(ctx)
if err != nil {
t.Fatal(err)
}

la, err := am.QueryAssigned(ctx, "enoent")
if err != nil {
t.Fatal(err)
}

if len(la) != 0 {
t.Errorf("unexpected license")
}

finder := find.NewFinder(c.Client, false)
hosts, err := finder.HostSystemList(ctx, "/..."
if err != nil {
t.Fatal(err)
}

host := hosts[0].Reference().Value
for _, name := range []string{"", host, vcid} {
la, err = am.QueryAssigned(ctx, name)
if err != nil {
t.Fatal(err)
}

if len(la) != 1 {
t.Fatal("no licenses")
}

if !reflect.DeepEqual(la[0].AssignedLicense, EvalLicense) {
t.Fatal("invalid license")
}
}

func TestLicenseManagerESX(t *testing.T) {
ctx := context.Background()
m := ESX()

defer m.Remove()

err := m.Create()
if err != nil {
t.Fatal(err)
}
s := m.Service.NewServer()
defer s.Close()

c, err := govmomi.NewClient(ctx, s.URL, true)
if err != nil {
    t.Fatal(err)
}

lm := license.NewManager(c.Client)
_, err = lm.AssignmentManager(ctx)
if err == nil {
    t.Fatal("expected error")
}

la, err := lm.List(ctx)
if err != nil {
    t.Fatal(err)
}

if len(la) != 1 {
    t.Fatal("no licenses")
}

if !reflect.DeepEqual(la[0], EvalLicense) {
    t.Fatal("invalid license")
}

func TestAddRemoveLicense(t *testing.T) {
    ctx := context.Background()
m := ESX()

defer m.Remove()

    err := m.Create()
    if err != nil {
        t.Fatal(err)
    }

    s := m.Service.NewServer()
defer s.Close()

    c, err := govmomi.NewClient(ctx, s.URL, true)
    if err != nil {
        t.Fatal(err)
    }
lm := license.NewManager(c.Client)
key := "00000-00000-00000-00000-11111"
labels := map[string]string{"key": "value"}

info, err := lm.Add(ctx, key, labels)
if err != nil {
    t.Fatal(err)
}

if info.LicenseKey != key {
    t.Fatalf("expect info.LicenseKey equal to %q; got %q", key, info.LicenseKey)
}

if len(info.Labels) != len(labels) {
    t.Fatalf("expect len(info.Labels) equal to %d; got %d", len(labels), len(info.Labels))
}

if info.Labels[0].Key != "key" || info.Labels[0].Value != "value" {
    t.Fatalf("expect label be {key:value}; got {%s:%s}", info.Labels[0].Key, info.Labels[0].Value)
}

la, err := lm.List(ctx)
if err != nil {
    t.Fatal(err)
}

if len(la) != 2 {
    t.Fatal("no licenses")
}

if la[1].LicenseKey != key {
    t.Fatalf("expect info.LicenseKey equal to %q; got %q", key, la[1].LicenseKey)
}

if len(la[1].Labels) != len(labels) {
    t.Fatalf("expect len(info.Labels) equal to %d; got %d", len(labels), len(la[1].Labels))
}

if la[1].Labels[0].Key != "key" || la[1].Labels[0].Value != "value" {
    t.Fatalf("expect label to be {key:value}; got {%s:%s}", la[1].Labels[0].Key, la[1].Labels[0].Value)
}
err = lm.Remove(ctx, key)
if err != nil {
    t.Fatal(err)
}
la, err = lm.List(ctx)
if err != nil {
    t.Fatal(err)
}
if len(la) != 1 {
    t.Fatal("no licenses")
}

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*/

package license

import (  
  "context"
  "flag"

  "github.com/vmware/govmomi/govc/cli"
  "github.com/vmware/govmomi/govc/flags"
  "github.com/vmware/govmomi/license"
)

type decode struct {  
  *flags.ClientFlag  
  *flags.OutputFlag

  feature string
}

func init() {  
  cli.Register("license.decode", &decode{})
}

func (cmd *decode) Register(ctx context.Context, f *flag.FlagSet) {  
  cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
  cmd.ClientFlag.Register(ctx, f)
  cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
  cmd.OutputFlag.Register(ctx, f)

  f.StringVar(&cmd.feature, "feature", "", featureUsage)
}

func (cmd *decode) Process(ctx context.Context) error {  
  if err := cmd.ClientFlag.Process(ctx); err != nil {  
    return err
  }

  if err := cmd.OutputFlag.Process(ctx); err != nil {  
    return err
  }

}
func (cmd *decode) Usage() string {
    return "KEY..."
}

func (cmd *decode) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }

    var result license.InfoList
    m := license.NewManager(client)
    for _, v := range f.Args() {
        license, err := m.Decode(ctx, v)
        if err != nil {
            return err
        }
        result = append(result, license)
    }
    result = append(result, license)

    if cmd.feature != "" {
        result = result.WithFeature(cmd.feature)
    }

    return cmd.WriteResult(licenseOutput(result))
}

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package license

import {
    "context"
    "strconv"
    "strings"

    "github.com/vmware/govmomi/object"
    "github.com/vmware/govmomi/vim25"
    "github.com/vmware/govmomi/vim25/methods"
    "github.com/vmware/govmomi/vim25/mo"
    "github.com/vmware/govmomi/vim25/types"
}

type Manager struct {
    object.Common
}

func NewManager(c *vim25.Client) *Manager {
    m := Manager{
        object.NewCommon(c, *c.ServiceContent.LicenseManager),
    }

    return &m
}

func mapToKeyValueSlice(m map[string]string) []types.KeyValue {
    var r []types.KeyValue
    for k, v := range m {
        r = append(r, types.KeyValue{
            Key: k,
            Value: v,
        })
    }

    return r
}
func (m Manager) Add(ctx context.Context, key string, labels map[string]string) (types.LicenseManagerLicenseInfo, error) {
    req := types.AddLicense{
        This:       m.Reference(),
        LicenseKey: key,
        Labels:     mapToKeyValueSlice(labels),
    }

    res, err := methods.AddLicense(ctx, m.Client(), &req)
    if err != nil {
        return types.LicenseManagerLicenseInfo{}, err
    }

    return res.Returnval, nil
}

func (m Manager) Decode(ctx context.Context, key string) (types.LicenseManagerLicenseInfo, error) {
    req := types.DecodeLicense{
        This:       m.Reference(),
        LicenseKey: key,
    }

    res, err := methods.DecodeLicense(ctx, m.Client(), &req)
    if err != nil {
        return types.LicenseManagerLicenseInfo{}, err
    }

    return res.Returnval, nil
}

func (m Manager) Remove(ctx context.Context, key string) error {
    req := types.RemoveLicense{
        This:       m.Reference(),
        LicenseKey: key,
    }

    _, err := methods.RemoveLicense(ctx, m.Client(), &req)
    return err
}

func (m Manager) Update(ctx context.Context, key string, labels map[string]string) (types.LicenseManagerLicenseInfo, error) {
    req := types.UpdateLicense{
        This:       m.Reference(),
        LicenseKey: key,
    }

    _, err := methods.UpdateLicense(ctx, m.Client(), &req)
    return err
}
This:   m.Reference(),
LicenseKey: key,
Labels:  mapToKeyValueSlice(labels),
}

res, err := methods.UpdateLicense(ctx, m.Client(), &req)
if err != nil {
    return types.LicenseManagerLicenseInfo{}, err
}

return res.Returnval, nil
}

func (m Manager) List(ctx context.Context) (InfoList, error) {
    var mlm mo.LicenseManager

    err := m.Properties(ctx, m.Reference(), []string{"licenses"}, &mlm)
    if err != nil {
        return nil, err
    }

    return InfoList(mlm.Licenses), nil
}

func (m Manager) AssignmentManager(ctx context.Context) (*AssignmentManager, error) {
    var mlm mo.LicenseManager

    err := m.Properties(ctx, m.Reference(), []string{"licenseAssignmentManager"}, &mlm)
    if err != nil {
        return nil, err
    }

    if mlm.LicenseAssignmentManager == nil {
        return nil, object.ErrNotSupported
    }

    am := AssignmentManager{
        object.NewCommon(m.Client(), *mlm.LicenseAssignmentManager),
    }

    return &am, nil
}

type licenseFeature struct {
    name  string
    level int
}
func parseLicenseFeature(feature string) *licenseFeature {
    lf := new(licenseFeature)
    f := strings.Split(feature, ":")
    lf.name = f[0]
    if len(f) > 1 {
        var err error
        lf.level, err = strconv.Atoi(f[1])
        if err != nil {
            lf.name = feature
        }
    }
    return lf
}

func HasFeature(license types.LicenseManagerLicenseInfo, key string) bool {
    feature := parseLicenseFeature(key)
    for _, p := range license.Properties {
        if p.Key != "feature" {
            continue
        }
        kv, ok := p.Value.(types.KeyValue)
        if !ok {
            continue
        }
        lf := parseLicenseFeature(kv.Key)
        if lf.name == feature.name && lf.level >= feature.level {
            return true
        }
    }
    return false
}

// InfoList provides helper methods for []types.LicenseManagerLicenseInfo
type InfoList []types.LicenseManagerLicenseInfo

func (l InfoList) WithFeature(key string) InfoList {
    var result InfoList
for _, license := range l {
if HasFeature(license, key) {
    result = append(result, license)
}
}

return result
}

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*/

package license

import (  
    "context"
type remove struct {
    *flags.ClientFlag
    *flags.OutputFlag
}

func init() {
    cli.Register("license.remove", &remove{})
}

func (cmd *remove) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)
    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)
}

func (cmd *remove) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }
    return nil
}

func (cmd *remove) Usage() string {
    return "KEY..."
}

func (cmd *remove) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }
    m := license.NewManager(client)
    for _, v := range f.Args() {
        err = m.Remove(ctx, v)
        if err != nil {
            return err
        }
    }
    return nil
}
return err
}
}

return nil
}

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*/

package license

import (
    "context"
    "flag"
    "fmt"
    "io"
    "os"
    "text/tabwriter"

    "github.com/vmware/govmomi/govc/cli"
    "github.com/vmware/govmomi/govc/flags"
    "github.com/vmware/govmomi/license"
    "github.com/vmware/govmomi/vim25/types"
)

type assigned struct {
    *flags.ClientFlag
    *flags.OutputFlag

    id string
}

func init() {
    cli.Register("license.assigned.ls", &assigned{})
}
func (cmd *assigned) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)
    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)

    f.StringVar(&cmd.id, "id", "", "Entity ID")
}

func (cmd *assigned) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }
    return nil
}

func (cmd *assigned) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }

    m, err := license.NewManager(client).AssignmentManager(ctx)
    if err != nil {
        return err
    }

    assigned, err := m.QueryAssigned(ctx, cmd.id)
    if err != nil {
        return err
    }

    return cmd.WriteResult(assignedOutput(assigned))
}

type assignedOutput []types.LicenseAssignmentManagerLicenseAssignment

func (res assignedOutput) Write(w io.Writer) error {
    tw := tabwriter.NewWriter(os.Stdout, 4, 0, 2, ' ', 0)
    fmt.Fprintf(tw, "Id:	Scope:	Name:	License:
")
    for _, v := range res {
        fmt.Fprintf(tw, "%s	", v.EntityId)
        fmt.Fprintf(tw, "%s	", v.Scope)
    }
    return nil
}
fmt.Fprintf(tw, "%s\t", v.EntityDisplayName)
fmt.Fprintf(tw, "%s\t", v.AssignedLicense.LicenseKey)
fmt.Fprintf(tw, "\n")
}
return tw.Flush()
}
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package license

import (    "fmt"    "io"    "os"    "text/tabwriter"
    "github.com/vmware/govmomi/vim25/types"
)

type licenseOutput []types.LicenseManagerLicenseInfo

}

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package license

import (  
  "context"
  "github.com/vmware/govmomi/object"
)
type AssignmentManager struct {
    object.Common
}

func (m AssignmentManager) QueryAssigned(ctx context.Context, id string) ([]types.LicenseAssignmentManagerLicenseAssignment, error) {
    req := types.QueryAssignedLicenses{
        This:     m.Reference(),
        EntityId: id,
    }
    res, err := methods.QueryAssignedLicenses(ctx, m.Client(), &req)
    if err != nil {
        return nil, err
    }
    return res.Returnval, nil
}

func (m AssignmentManager) Remove(ctx context.Context, id string) error {
    req := types.RemoveAssignedLicense{
        This:     m.Reference(),
        EntityId: id,
    }
    _, err := methods.RemoveAssignedLicense(ctx, m.Client(), &req)
    return err
}

func (m AssignmentManager) Update(ctx context.Context, id string, key string, name string) (*types.LicenseManagerLicenseInfo, error) {
    req := types.UpdateAssignedLicense{
        This:              m.Reference(),
        Entity:            id,
        LicenseKey:        key,
        EntityDisplayName: name,
    }
    res, err := methods.UpdateAssignedLicense(ctx, m.Client(), &req)
    if err != nil {
        return nil, err
    }
    return res.Returnval, nil
}
1.1966 magic-string 0.25.1

1.1966.1 Available under license:

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1.1967 apache-log4j 1.2.16

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1.1968 intl 1.2.5
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1.1969 object-assign 4.1.1

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1.1970 go-bindata-assetfs v1.0.0

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1.1971 libxrender 0.9.10-1

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1.1972 libpng 1.6.36 6
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1.1977 focus-trap-react 3.1.2

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### xwd utility

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<td>GL/wglext.h</td>
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KHR/khrplatform.h  Khronos

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include/GL/gl.h :

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include/GL/glxext.h
include/GL/wglxext.h :

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The Java Cryptographic Service SunEC Provider uses the Mozilla ECC library. If this native library is removed, the following algorithms will no longer be available from the SunEC provider using the JCA/JCE APIs:

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```
## JRuby Joni v2.1.16

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pkgver=2.3.21
pkgrel=6
pkgdesc="A library for high-performance 2D graphics"
url="https://www.levien.com/libart/
arch="all"
options="!check" # No test suite.
license="LGPL-2.0-or-later"
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2"

builddir="$srcdir/libart_lgpl-$pkgver"

prepare() {
    update_config_sub
    default_prepare
}

build() {
    ./configure
    --build=$CBUILD
    --host=$CHOST
    --prefix=/usr
    make
}

package() {
    make DESTDIR="$pkgdir" install
}

sha512sums="8a632a6a4da59e5e8c02ee2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e7
6654309e001aee9bace727b5b4c8589405256a3c020 libart_lgpl-2.3.21.tar.bz2"

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pkgname=py3-flake8-copyright
_ppkgname=flake8-copyright
pkgver=0.2.2
pkgrel=1
pkgdesc="Extension for flake8 which checks for copyrights"
options="!check" # No testsuite
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
deps="py3-flake8 py3-setuptools"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/$_pkgname/$_pkgname-$pkgver.tar.gz"
builddir="$srcdir"/$_pkgname-$pkgver

replaces="py-flake8-copyright" # Backwards compatibility
provides="py-flake8-copyright=$pkgver-r$pkgrel" # Backwards compatibility

build() {
  python3 setup.py build
}

package() {
  python3 setup.py install --prefix=/usr --root="$pkgdir"
}

sha512sums="8ade49f386ee67d14e4b826946b947454cf2502ff249a9ab1d359f61fa42e2c2b17dd465708894cf82ff153f0b01b1cd74646420d409d4dc1b07940ec280f28 flake8-copyright-0.2.2.tar.gz"

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pkgname=perl-bsd-resource
_pkgreal=BSD-Resource
pkgver=1.2911
pkgrel=4
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource"
arch="all"
license="GPL-1.0-or-later OR Artistic-1.0-Perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/$pkgreal-$pkgver.tar.gz"

prepare() {
    default_prepare
    export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
    PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}
build() {
    export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
    make
}

check() {
    make test
}

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

sha512sums="d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16
dfa5417f663b8065ba65f4feda16dc9262728b3b6b85  BSD-Resource-1.2911.tar.gz"

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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="0950540df050fb7f7ce92f5ad1bf756725e233d701f0c5b2fc5bfa85dae65bba3400de7fd78b4b1d8a41deab4e461a5f1018f4869d9f3e0428a5a64c32c01c60 license-list-data-3.8.tar.gz"

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* /opt/ws_local/PERMITS_SQL/1018365892_1591902834.44/0/nailgun-server-0-9-1-sources-jar/com/martiansoftware/nailgun/ThreadLocalInputStream.java
* /opt/ws_local/PERMITS_SQL/1018365892_1591902834.44/0/nailgun-server-0-9-1-sources-jar/com/martiansoftware/nailgun/builtins/NGAlias.java
* /opt/ws_local/PERMITS_SQL/1018365892_1591902834.44/0/nailgun-server-0-9-1-sources-jar/com/martiansoftware/nailgun/builtins/NGStop.java
* /opt/ws_local/PERMITS_SQL/1018365892_1591902834.44/0/nailgun-server-0-9-1-sources-jar/com/martiansoftware/nailgun/builtins/NGServerStats.java
* /opt/ws_local/PERMITS_SQL/1018365892_1591902834.44/0/nailgun-server-0-9-1-sources-jar/com/martiansoftware/nailgun/builtins/NGOutputStream.java
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*/
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 * Adds the specified URL (for a jar or a directory) to the System
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 *
 * @param url the URL of the resource (directory or jar) to add to the
 * System classpath
 * @throws Exception if anything goes wrong. The most likely culprit, should
 * this ever arise, would be that your VM is not using a URLClassLoader as the
 * System ClassLoader. This would result in a ClassCastException that you
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 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018365892_1591902834.44/0/nailgun-server-0-9-1-sources-
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* configure.ac, Makefile.am: The original versions were derived from the
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  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
  3a0982da308228d796df35f98d787c5cfcf2bb5b6.

  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
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* /opt/ws_local/PERMITS_SQL/1070688674_1596469091.96/elasticsearch-zip/elasticsearch/lib/cluster.js
* /opt/ws_local/PERMITS_SQL/1070688674_1596469091.96/elasticsearch-zip/elasticsearch/lib/_tests__/ensure_not_tribe.js
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1.2007 fs-constants 1.0.0

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1.2008 x-sys v0.0.0-20201119102817-f84b799fce68

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1.2009 jackson-jaxrs-base 2.10.5
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1.2010 libxcomposite 0.4.5-r0
1.2010.1 Available under license :

# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=6
pkgdesc="A library for high-performance 2D graphics"
url="https://www.levien.com/libart/"
arch="all"
options="!check" # No test suite.
license="LGPL-2.0-or-later"
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2"

builddir="$srcdir"/libart_lgpl-$pkgver

prepare() {
  update_config_sub
default_prepare
}

build() {
  ./configure
  --build=$CBUILD
  --host=$CHOST
  --prefix=/usr
  make
}

package() {
  make DESTDIR="$pkgdir" install
}

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e76654309e001aee9bace772b5b4c8589405256a3c020  libart_lgpl-2.3.21.tar.bz2"
# Contributor: Fabian Affolter <fabian@affolter-engineering.ch>
# Maintainer: Fabian Affolter <fabian@affolter-engineering.ch>
pkgname=py3-flake8-copyright
  _pkgname=flake8-copyright
  pkgver=0.2.2
  pkgrel=1
  pkgdesc="Extension for flake8 which checks for copyrights"
  options="!check" # No testsuite
  url="https://github.com/savoirfairelinux/flake8-copyright"
  arch="noarch"
  license="MIT"
  depends="py3-flake8 py3-setuptools"
  source="https://files.pythonhosted.org/packages/source/$(_pkgname:0:1)/$._pkgname/$._pkgname-$pkgver.tar.gz"
  builddir="$srcdir"/$._pkgname-$pkgver

  replaces="py-flake8-copyright" # Backwards compatibility
  provides="py-flake8-copyright=$pkgver-r$pkgrel" # Backwards compatibility

build() {
  python3 setup.py build
}
package() {
    python3 setup.py install --prefix=/usr --root="$pkgdir"
}

sha512sums="8ade49f386ee67d14e4b826946b947454cf2502ff249a9ab1d359f61fa42ebc2b17dd465708894cf82fffd153f0be1bed746464220d40d9d4dc1b07940ec280f28 flake8-copyright-0.2.2.tar.gz"

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pkgname=perl-bsd-resource
_pkgreal=BSD-Resource
pkgver=1.2911
pkgrel=4
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource"
arch="all"
license="GPL-1.0-or-later OR Artistic-1.0-Perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/$_pkgreal-$pkgver.tar.gz"
builddir="$srcdir/$_pkgreal-$pkgver"

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

build() {
  export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
makemake
}

check() {
  make test
}

package() {
  make DESTDIR="$pkgdir" install
  find "$pkgdir" \( -name perllocal.pod -o -name .packlist \) -delete
}
sha512sums="d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16d8a5417f663b8065ba65f4ea16de9262728b3b6b85"  BSD-Resource-1.2911.tar.gz

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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="0950540df050fb7f7ce92f5ad1b7f756725e233d701f0c5b2fc585d85da65bba3400de7fe78b4b18a41de
ab4e461a5f1018f4869d9f3e0428a5a64c32e01c60 license-list-data-3.8.tar.gz"
mini_sendmail - accept email on behalf of real sendmail

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1.2011 pump 2.0.1
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1.2012 redis-parser 2.6.0
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1.2013 x-sys 0.0.0

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1.2014 golang-genproto v0.0.0-
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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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0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

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

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

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

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

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

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.
2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

b) Use a suitable shared library mechanism for linking with the
Library. A suitable mechanism is one that (1) uses at run time a

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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 least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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

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

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

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

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

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

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

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

This license, the Library General Public License, applies to some specially
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whose authors decide to use it. You can use it for your libraries, too.

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wish), that you receive source code or can get it if you want it, that you...
can change the software or use pieces of it in new free programs; and that you know you can do these things.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

   a) The modified work must itself be a software library.
   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified
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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1.2047 extend-shallow 3.0.2

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1.2048 log4j-api 2.11.2

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1.2049 glib 2.66.8-1
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1.2051 path-is-absolute 2.0.0

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1.2052 debianutils 4.11.2

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1.2054 babel-plugin-transform-es2015-computed-properties 6.24.1

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1.2055 lzf 1.8.3-1+deb10u1

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Jean-loup Gailly        Mark Adler
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The following list of people, sorted by last name, have contributed code or patches to this implementation of sudo since I began maintaining it in 1993. This list is known to be incomplete--if you believe you should be listed, please send a note to sudo@sudo.ws.

Ackeret, Matt
Adler, Mark
Allbery, Russ
Anderson, Jamie
Andrew, Nick
Andric, Dimitry
Barron, Danny
Bates, Tom
Behan, Zdenk
Bellis, Ray
Benali, Elias
Beverly, Jamie
Boardman, Spider
Bos, Sander
Bostley, P.J.
Bowes, Keith
Boyce, Keith Garry
Brantley, Michael
Braun, Rob
Bezina, Pavel
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Brown, Jerry
Burr, Michael E
Burton, Ross
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Calvin, Gary
Campbell, Aaron
Chazelas, Stephane
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ek, Vitezslav
Coleman, Chris
Corzine, Deven T.
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Dai, Wei
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Eckhardt, Drew
Edgington, Ben
Esipovich, Marc
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Faigon, Ariel
Farrell, Brian
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G., Daniel Richard
Gailly, Jean-loup
Gelman, Stephen
Gerraty, Simon J.
Graber, Stephane
Guillory, B.
Hayman, Randy M.
Henke, Joachim
Hideaki, Yoshifuji
Hieb, Dave
Holloway, Nick
Hoover, Adam
Hunter, Michael T.
Hutchings, Ben
Irrgang, Eric
Jackson, Brian
Jackson, John R.
Jackson, Richard L., Jr.
Janssen, Mark
Jepeway, Chris
Jorge, Joel Pele
Jover, Guillem
Juhani, Timo
Kikuchi, Ayamura
Kadow, Kevin
Kasal, Stepan
Kienenberger, Mike
King, Dale
King, Michael
Klyachkin, Andrey
Knoble, Jim
Knox, Tim
Komarnitsky, Alek O.
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Levin, Dmitry V.
Libby, Kendall
Lobbes, Phillip E.
McIntyre, Jason
MacKenzie, David J.
McLaughlin, Tom
Makey, Jeff
Mallayya, Sangamesh
Marchionna, Michael D.
Markham, Paul
Martinian, Emin
Meskes, Michael
Michael, David
Miller, Todd C.
Minier, Loc
Moffat, Darren
Moldung, Jan Thomas
Morris, Charles
Mueller, Andreas
Miller, Dworkin
Niesuoma, Jeff
Nikitser, Peter A.
Nussel, Ludwig
Ouellet, Jean-Philippe
Paquet, Eric
Paradis, Chantal
Pasteleurs, Frederic
The following people have worked to translate sudo into other languages as part of the Translation Project, see https://translationproject.org for more details.

Albuquerque, Pedro
Blittermann, Mario
Bogusz, Jakub
Buo-ren, Lin
Casagrande, Milo
Castro, Felipe
Cho, Seong-ho
Chernoivan, Yuri
Diguez, Francisco
Fontenelle, Rafael
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Gezer, Volkan
Hamasaki, Takeshi
Hamming, Peter
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1.2063 babel-types 6.26.0

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1.2064 pry 0.10.4
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1.2066 babel-plugin-syntax-async-generators
6.13.0

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1.2067 acorn-node 1.8.2
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1.2068 babel-helper-define-map 6.26.0

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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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THE BASIC LIBRARY FUNCTIONS

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

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University of Cambridge Computing Service,
PCRE JUST-IN-TIME COMPILATION SUPPORT
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1.2133 x-sys v0.0.0-20201009025420-dfb3f7c4e634

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1.2134 babel-helper-optimise-call-expression

6.24.1

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1.2137 node-retry 0.12.0-1

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1.2138 webpack 4.26.1

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1.2139 keyutils 1.6.1-r0

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1.2145 minipass-json-stream 1.0.1

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  jar/io/netty/handler/codec/DatagramPacketDecoder.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-
  jar/io/netty/handler/codec/string/LineSeparator.java
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  jar/io/netty/handler/codec/compression/CodecOutputList.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-
  jar/io/netty/handler/codec/compression/CompressionUtil.java

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* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-
  jar/io/netty/handler/codec/CodecOutputList.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-
  jar/io/netty/handler/codec/compression/Crc32c.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-
  jar/io/netty/handler/codec/compression/JdkZlibDecoder.java

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*/
/**
 * A decoder that splits the received {@link ByteBuf}s dynamically by the
 * value of the length field in the message. It is particularly useful when you
 * decode a binary message which has an integer header field that represents the
 * length of the message body or the whole message.
 * <p>
 * {@link LengthFieldBasedFrameDecoder} has many configuration parameters so
 * that it can decode any message with a length field, which is often seen in
 * proprietary client-server protocols. Here are some example that will give
 * you the basic idea on which option does what.
 *
 * <h3>2 bytes length field at offset 0, do not strip header</h3>
 *
 * The value of the length field in this example is <tt>12 (0x0C)</tt> which
 * represents the length of "HELLO, WORLD". By default, the decoder assumes
 * that the length field represents the number of the bytes that follows the
 * length field. Therefore, it can be decoded with the simplistic parameter
 * combination.
 * <pre>
 * lengthFieldOffset   = 0
 * lengthFieldLength   = 2
 * lengthAdjustment    = 0
 * initialBytesToStrip = 0 (= do not strip header)
 * </pre>
 *
 * BEFORE DECODE (14 bytes) AFTER DECODE (14 bytes)
 * +--------+----------------+      +--------+----------------+
 * | Length | Actual Content |----->| Length | Actual Content |
 * | 0x000C | "HELLO, WORLD" |      | 0x000C | "HELLO, WORLD" |
 * +--------+----------------+      +--------+----------------+
 * </pre>
 *
 * <h3>2 bytes length field at offset 0, strip header</h3>
 *
 * Because we can get the length of the content by calling
 * {@link ByteBuf#readableBytes()}, you might want to strip the length
 * field by specifying <tt>initialBytesToStrip</tt>. In this example, we
 * specified <tt>2</tt>, that is same with the length of the length field, to
 * strip the first two bytes.
 * <pre>
 * lengthFieldOffset   = 0
 * lengthFieldLength   = 2
 * lengthAdjustment    = 0
 * </pre>
* `<b>initialBytesToStrip</b>` = `<b>2</b>` (= the length of the Length field)

* BEFORE DECODE (14 bytes)  AFTER DECODE (12 bytes)
* +--------+----------------+      +----------------+
* | Length | Actual Content |----->| Actual Content |
* | 0x0000C | "HELLO, WORLD" |      | "HELLO, WORLD" |
* +--------+----------------+      +----------------+
* </pre>

* `<h3>2 bytes length field at offset 0, do not strip header, the length field represents the length of the whole message</h3>`

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

* `<pre>`
  * lengthFieldOffset   =  0
  * lengthFieldLength   =  2
  * `<b>lengthAdjustment</b>` = `<b>-2</b>` (= the length of the Length field)
  * initialBytesToStrip =  0
  *
  * BEFORE DECODE (14 bytes)  AFTER DECODE (14 bytes)
  * +--------+----------------+      +--------+----------------+
  * | Length | Actual Content |----->| Length | Actual Content |
  * | 0x000E | "HELLO, WORLD" |      | 0x000E | "HELLO, WORLD" |
  * +--------+----------------+      +--------+----------------+
  * </pre>

* `<h3>3 bytes length field at the end of 5 bytes header, do not strip header</h3>`

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

* `<pre>`
  * `<b>lengthFieldOffset</b>`   = `<b>2</b>` (= the length of Header 1)
  * `<b>lengthFieldLength</b>`   = `<b>3</b>`
  * `<b>lengthAdjustment</b>`    = 0
  * initialBytesToStrip = 0
  *
  * BEFORE DECODE (17 bytes)  AFTER DECODE (17 bytes)
  * +----------+----------+----------------+      +----------+----------+----------------+
  * | Header 1 |  Length  | Actual Content |----->| Header 1 |  Length  | Actual Content |
  * | 0xCAFE  | 0x00000C | "HELLO, WORLD" |      | 0xCAFE  | 0x00000C | "HELLO, WORLD" |
This is an advanced example that shows the case where there is an extra header between the length field and the message body. You have to specify a positive <tt>lengthAdjustment</tt> so that the decoder counts the extra header into the frame length calculation.

**BEFORE DECODE (17 bytes)                      AFTER DECODE (17 bytes)**

```
<table>
<thead>
<tr>
<th>Length</th>
<th>Header 1</th>
<th>Actual Content</th>
<th>Length</th>
<th>Header 1</th>
<th>Actual Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>0x00000C</td>
<td>0xCAFE</td>
<td>&quot;HELLO, WORLD&quot;</td>
<td>0x00000C</td>
<td>0xCAFE</td>
<td>&quot;HELLO, WORLD&quot;</td>
</tr>
</tbody>
</table>
```

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

**BEFORE DECODE (16 bytes)                      AFTER DECODE (13 bytes)**

```
<table>
<thead>
<tr>
<th>HDR1</th>
<th>Length</th>
<th>HDR2</th>
<th>Actual Content</th>
<th>HDR2</th>
<th>Actual Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>0xCA</td>
<td>0x000C</td>
<td>0xFE</td>
<td>&quot;HELLO, WORLD&quot;</td>
<td>0xFE</td>
<td>&quot;HELLO, WORLD&quot;</td>
</tr>
</tbody>
</table>
```

This is a combination of all the examples above. There is an extra header between the length field and the message body. You have to specify a positive <tt>lengthAdjustment</tt> so that the decoder counts the extra header into the frame length calculation.
Let's give another twist to the previous example. The only difference from the previous example is that the length field represents the length of the whole message instead of the message body, just like the third example. We have to count the length of HDR1 and Length into `<tt>lengthAdjustment</tt>`, please note that we don't need to take the length of HDR2 into account because the length field already includes the whole header length.

```
lengthFieldOffset = 1
lengthFieldLength = 2
lengthAdjustment = -3 (= the length of HDR1 + LEN, negative)
initialBytesToStrip = 3
```

<table>
<thead>
<tr>
<th>BEFORE DECODE (16 bytes)</th>
<th>AFTER DECODE (13 bytes)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HDR1</td>
<td>Length</td>
</tr>
<tr>
<td>0xCA</td>
<td>0x0010</td>
</tr>
</tbody>
</table>

@see LengthFieldPrepender
* The internal lookup tables in this class has been derived from
* Robert Harder's Public Domain Base64 Encoder/Decoder.

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1.2153 go-radix v1.0.0

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1.2154 vfile 2.3.0

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1.2155 paquet 0.2.1

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---

name: paquet
version: 0.2.1
platform: ruby
autorequire:
bindir: exe
cert_chain: []
date: 2017-03-24 00:00:00.000000000 Z
dependencies:
  - !ruby/object:Gem::Dependency
    requirement: !ruby/object:Gem::Requirement
      requirements:
        - "\>="
  - !ruby/object:Gem::Version
    version: '0'
name: rspec
prerelease: false
type: :development
version_requirements: !ruby/object:Gem::Requirement
requirements:
  - "\>="
  - !ruby/object:Gem::Version
    version: '0'
- !ruby/object:Gem::Dependency
  requirement: !ruby/object:Gem::Requirement
  requirements:
    - "\>="
  - !ruby/object:Gem::Version
    version: '0'
name: pry
prerelease: false
type: :development
version_requirements: !ruby/object:Gem::Requirement

requirements:
- ">="
  - !ruby/object:Gem::Version
    version: '0'
- !ruby/object:Gem::Dependency
requirement: !ruby/object:Gem::Requirement
requirements:
- "->"
  - !ruby/object:Gem::Version
    version: 2.2.0
name: webmock
prerelease: false
type: :development
version_requirements: !ruby/object:Gem::Requirement
requirements:
- ">="
  - !ruby/object:Gem::Version
    version: '0'
name: stud
prerelease: false
type: :development
version_requirements: !ruby/object:Gem::Requirement
requirements:
- ">="
  - !ruby/object:Gem::Version
    version: '0'
description: This gem add a few rake tasks to create a uber gems that will be shipped as a zip
e-mail:
  - info@elastic.co
executables: []
extensions: []
extra_rdoc_files: []
files:
- ".lib/paquet.rb"
- ".lib/paquet/dependency.rb"
- ".lib/paquet/gem.rb"
- ".lib/paquet/rspec/tasks.rb"
- ".lib/paquet/shell.ui.rb"
- ".lib/paquet/utils.rb"
- ".lib/paquet/version.rb"
homepage: https://github.com/elastic/logstash
licenses:
Apache License (2.0)

metadata: {}

post_install_message:

rrdoc_options: []

require_paths:
- lib

required_ruby_version: !ruby/object:Gem::Requirement
  requirements:
  - - ">="
    - !ruby/object:Gem::Version
      version: '0'

required_rubygems_version: !ruby/object:Gem::Requirement
  requirements:
  - - ">="
    - !ruby/object:Gem::Version
      version: '0'

rubyforge_project:
rubygems_version: 2.4.8

signing_key:
specification_version: 4

summary: Rake helpers to create a uber gem
test_files: []

Found in path(s):
* /opt/cola/permits/1156528920_1619204972.11/0/paquet-0-2-1-gem/metadata-gz/metadata

1.2156 debianutils 4.8.1.1

1.2156.1 Available under license:

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func initBsdClause2() {

Licenses["freebsd"] = License{
    Name: "Simplified BSD License",
    PossibleMatches: []string{"freebsd", "simpbsd", "simple bsd", "2-clause bsd",
                    "2 clause bsd", "simplified bsd license"},
    Header: `All rights reserved.

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package cmd

func initBsdClause3() {
    Licenses["bsd"] = License{
        Name: "NewBSD",
        PossibleMatches: []string{"bsd", "newbsd", "3 clause bsd", "3-clause bsd"},
        Header: `All rights reserved.
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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
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    Licenses["gpl3"] = License{
        Name: "GNU General Public License 3.0",
    }
}
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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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func initMit() {
    Licenses["mit"] = License{
        Name:            "MIT License",
        PossibleMatches: []string{"mit"},
        Header: `
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        of this software and associated documentation files (the "Software"), to deal
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WEB server toolkit.

WEBrick is an HTTP server toolkit that can be configured as an HTTPS server, a proxy server, and a virtual-host server. WEBrick features complete logging of both server operations and HTTP access. WEBrick supports both basic and digest authentication in addition to algorithms not in RFC 2617.

A WEBrick servers can be composed of multiple WEBrick servers or servlets to provide differing behavior on a per-host or per-path basis. WEBrick includes servlets for handling CGI scripts, ERb pages, ruby blocks and directory listings.

WEBrick also includes tools for daemonizing a process and starting a process at a higher privilege level and dropping permissions.

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NR START   END SECTORS SIZE NAME UUID
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  2  7680 16383    8704 4.3M  8f8378c0-02
  5  7936 12799    4864 2.4M
  6 12544 16127    3584 1.8M

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1.2181 jackson-jaxrs-base 2.9.7

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1.2183 jcmtturner-gofork v1.0.0

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func initBsdClause2() {
    Licenses["freebsd"] = License{
        Name: "Simplified BSD License",
        PossibleMatches: []string{"freebsd", "simpbsd", "simple bsd", "2-clause bsd",
                                "2 clause bsd", "simplified bsd license"},
        Header: `All rights reserved.
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```

cmd

```go
func initBsdClause3() {
    Licenses["bsd"] = License{
        Name: "NewBSD",
        PossibleMatches: []string{"bsd", "newbsd", "3 clause bsd", "3-clause bsd"},
    }
```
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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
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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 "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]
}

func matchLicense(name string) string {
if name == "" {
    return ""
}

    for key, lic := range Licenses {
    for _, match := range lic.PossibleMatches {
    if strings.EqualFold(name, match) {
      return key
    }
  }
  }

  return ""
}

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package cmd

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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        the Free Software Foundation, either version 3 of the License, or
        `
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```
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  Licenses["lgpl"] = License{
    Name:            "GNU Lesser General Public License",
    PossibleMatches: []string{"lgpl", "lesser gpl", "gnu lgpl"},
    Header: `This program is free software: you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

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package cmd

func initAgpl() {
Licenses["agpl"] = License{
    Name: "GNU Affero General Public License",
    PossibleMatches: []string{"agpl", "affero gpl", "gnu agpl"},
    Header: `This program is free software: you can redistribute it and/or modify it under the terms of the GNU Affero General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

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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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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
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    }
}
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1.2185 mitchellh-mapstructure v1.3.2

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1.2188 turf-square-grid 3.0.12

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1.2189 kubernetes-apimachinery v0.19.6

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pkgver=2.3.21
pkgrel=6
pkgdesc="A library for high-performance 2D graphics"
url="https://www.levien.com/libart/
arch="all"'
options="!check"  # No test suite.
license="LGPL-2.0-or-later"
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2"

builddir="$srcdir"/libart_lgpl-$pkgver

prepare() {
    update_config_sub
    default_prepare
}

build() {
    ./configure \
    --build=$CBUILD \
    --host=$CHOST \
    --prefix=/usr
make
}

package() {
    make DESTDIR="$pkgdir" install
}
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arch="all"
license="GPL-1.0-or-later OR Artistic-1.0-Perl"
makedepends="perl-dev"
subpackages="pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/$_pkgreal-$pkgver.tar.gz"

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

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

build() {
    export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
    make
}

check() {
    make test
}

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

sha512sums="d0032d41c7c9468ed1c6d8f57b8856fcb97a5039d754c8c8b60b2067daedaf53bd15fb6561a3d0f828df16
dfa5417f663b80658a64f8e1b16dc92627288b3b6b85  BSD-Resource-1.2911.tar.gz"

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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"/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:##*}.
local license=${i:##*}.
    echo $license%.* >> "$subpkgdir"/usr/share/spdx/license.lst
    done
}

sha512sums="0950540df050fb7f7ce92f5ad1bf756725e233d701f0c5b2fc5bfa85da65bba3400de7fd78b4b1d8a41de
ab4e461a5f1018f4869d9f3e0428a5a64c32e01c60 license-list-data-3.8.tar.gz"
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1.2194 mimic-fn 1.1.0

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1.2196 libxslt 1.1.32 2.2~deb10u1

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1.2198 openssl 1.1.1k

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Eclipse

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

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

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

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Oracle

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

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

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Oracle OpenJDK

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

* java.sun.security.ssl

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

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OW2

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

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Apache

The following artifacts are ASL2 licensed.

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

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MortBay

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

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

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.2202 geojson-random 0.2.2
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1.2204 bean-validation-api 2.0.1

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1.2205 kafka-streams-test-utils 2.0.1

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1.2206 protobuf v1.23.0

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1.2208 free-type 2.8-14.el7_9.1

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#
src/base/fthash.c
src/base/md5.c
src/base/md5.h
#
src/bdf/bdf.c
src/bdf/bdf.h
src/bdf/bdfdrivr.c
src/bdf/bdfdrivr.h
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src/gzip/infutil.c
src/gzip/infutil.h
src/gzip/zconf.h
src/gzip/zlib.h
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1.2230 async-each 1.0.1

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# async-each

No-bullshit, ultra-simple, 35-lines-of-code async parallel forEach function for JavaScript.

We don't need junky 30K async libs. Really.

For browsers and node.js.

## Installation

* Just include async-each before your scripts.
* `npm install async-each` if you’re using node.js.
* `bower install async-each` if you’re using [Bower](http://bower.io).

## Usage

* `each(array, iterator, callback);` — `Array`, `Function`, `(optional) Function`
* `iterator(item, next)` receives current item and a callback that will mark the item as done. `next` callback receives optional `error, transformedItem` arguments.
* `callback(error, transformedArray)` optionally receives first error and transformed result `Array`.

Node.js:

```
```

```javascript
var each = require('async-each');
each(['a.js', 'b.js', 'c.js'], fs.readFile, function(error, contents) {
    if (error) console.error(error);
    console.log('Contents for a, b and c:', contents);
});
```
Browser:

```javascript
window.asyncEach(list, fn, callback);
```
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1.2232 datatype 1.3.04
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* [https://github.com/eclipse-ee4j/jersey](https://github.com/eclipse-ee4j/jersey)

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Hibernate Validator CDI, 6.1.2.Final

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1.2246 backport 3.18.1
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1.2247 supports-color 5.5.0
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1.2248 go-kml v1.5.1
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1.2249 datadog-go v3.5.0+incompatible

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1.2250 neko-html 1.9.21

1.2251 babel-plugin-transform-es2015-function-name 6.24.1
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1.2252 azure-storage 8.0.0

1.2253 cockroach v20.2.5

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package utilccl

import (
    "fmt"
    "testing"
    "time"
    "github.com/cockroachdb/cockroach/pkg/ccl/utilccl/licenseccl"
    "github.com/cockroachdb/cockroach/pkg/testutils"
    "github.com/cockroachdb/cockroach/pkg/util/timeutil"
    "github.com/cockroachdb/cockroach/pkg/util/uuid"
)

func TestLicense(t *testing.T) {
    clusterA, _ := uuid.FromString("A0000000-0000-0000-0000-00000000000A")
    clusterB, _ := uuid.FromString("B0000000-0000-0000-0000-00000000000B")

    clustersA, clustersB := []uuid.UUID{clusterA}, []uuid.UUID{clusterB}

    t0 := timeutil.Unix(0, 0)
    ts := t0.AddDate(40, 0, 0)
    after := ts.Add(time.Hour * 24)
    before := ts.Add(time.Hour * -24)
    wayAfter := ts.Add(time.Hour * 24 * 365 * 200)

    for i, tc := range []struct {
        licType    licenseccl.License_Type
        grantedTo  []uuid.UUID
        expiration  time.Time
    }{
checkCluster uuid.UUID
checkOrg string
checkTime time.Time
err string

{
  {licType: -1, err: "requires an enterprise license"},
  {licenseccl.License_Evaluation, clustersA, ts, clusterA, "", ts, ""},
  {licenseccl.License_Enterprise, clustersA, ts, clusterA, "", ts, ""},
  {licenseccl.License_NonCommercial, clustersA, ts, clusterA, "", ts, ""},
  {licenseccl.License_Evaluation, clustersA, after, clusterA, "", ts, ""},
  {licenseccl.License_Evaluation, clustersA, ts, clusterA, "", before, ""},
  {licenseccl.License_Evaluation, clustersA, wayAfter, clusterA, "", ts, ""},
}

// expirations.
{licenseccl.License_Evaluation, clustersA, ts, clusterA, "", after, "expired"},
{licenseccl.License_Evaluation, clustersA, after, clusterA, "", wayAfter, "expired"},
{licenseccl.License_NonCommercial, clustersA, after, clusterA, "", wayAfter, "expired"},
{licenseccl.License_NonCommercial, clustersA, t0, clusterA, "", wayAfter, ""},
{licenseccl.License_Evaluation, clustersA, t0, clusterA, "", wayAfter, ""},

// grace period.
{licenseccl.License_Enterprise, clustersA, after, clusterA, "", wayAfter, ""},

// mismatch.
{licenseccl.License_Enterprise, clustersA, ts, clusterB, "", ts, "not valid for cluster"},
{licenseccl.License_Enterprise, clustersB, ts, clusterA, "", ts, "not valid for cluster"},
{licenseccl.License_Enterprise, append(clustersB, clusterA), ts, clusterA, "", ts, ""},
{licenseccl.License_Enterprise, nil, ts, clusterA, "", ts, "license valid only for"},
{licenseccl.License_Enterprise, nil, ts, clusterA, "tc-17", ts, ""},

} {lic *licenseccl.License
if tc.licType != -1 { s, err := (&licenseccl.License{
  ClusterID: tc.grantedTo,
  ValidUntilUnixSec: tc.expiration.Unix(),
  Type: tc.licType,
  OrganizationName: fmt.Sprintf("tc-%d", i),
}).Encode()
if err != nil { t.Fatal(err)
    }
lic, err = decode(s)
if err != nil { t.Fatal(err)
    }
} if err := check(

func TestBadLicenseStrings(t *testing.T) {
    for _, tc := range []struct{ lic, err string }{
        {"blah", "invalid license string"},
        {"crl-0-&&&&&", "invalid license string"},
        {"crl-0-blah", "invalid license string"},
    }
    if _, err := decode(tc.lic); !testutils.IsError(err, tc.err) {
        t.Fatalf("%q: expected err %q, got %v", tc.lic, tc.err, err)
    }
}

func TestExpiredLicenseLanguage(t *testing.T) {
    lic := &licenseccl.License{
        Type: licenseccl.License_Evaluation,
        ValidUntilUnixSec: 1,
    }
    err := check(lic, timeutil.Now(), uuid.MakeV4(), "", "RESTORE")
    expected := "Use of RESTORE requires an enterprise license. Your evaluation license expired on " +
        "January 1, 1970. If you're interested in getting a new license, please contact " +
        "subscriptions@cockroachlabs.com and we can help you out."
    if err == nil || err.Error() != expected {
        t.Fatalf("expected err:\n%s\n\ngot:\n%v", expected, err)
    }
}

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package utilccl

import {
    "context"
    "testing"
    "time"
func TestSettingAndCheckingLicense(t *testing.T) {
    idA, _ := uuid.FromString("A0000000-0000-0000-0000-00000000000A")
    idB, _ := uuid.FromString("B0000000-0000-0000-0000-00000000000B")

    t0 := timeutil.Unix(0, 0)

    licA, _ := (licenseccl.License{
        ClusterID:     []uuid.UUID{idA},
        Type:          licenseccl.License_Enterprise,
        ValidUntilUnixSec: t0.AddDate(0, 1, 0).Unix(),
    }).Encode()

    licB, _ := (licenseccl.License{
        ClusterID:     []uuid.UUID{idB},
        Type:          licenseccl.License_Evaluation,
        ValidUntilUnixSec: t0.AddDate(0, 2, 0).Unix(),
    }).Encode()

    st := cluster.MakeTestingClusterSettings()

    for i, tc := range []struct {
        lic     string
        checkCluster uuid.UUID
        checkTime time.Time
        err      string
    }{
        // NB: we're observing the update manifest as changed behavior -- detailed
        // testing of that behavior is left to licenseccl's own tests.
        {"", idA, t0, "requires an enterprise license"},
        // adding a valid lic.
        {licA, idA, t0, ""},
        // clearing an existing lic.
        {"", idA, t0, "requires an enterprise license"},
        // adding invalid lic.
        {licB, idA, t0, "not valid for cluster"},
        // clearing an existing, invalid lic.
        {"", idA, t0, "requires an enterprise license"},
    } {
        updater := st.MakeUpdater()
        if err := updater.Set("enterprise.license", tc.lic, "s"); err != nil {
func TestGetLicenseTypePresent(t *testing.T) {
    for _, tc := range []struct {
        licenseType licenseccl.License_Type
        expected    string
    } {
        {licenseccl.License_NonCommercial, "NonCommercial"},
        {licenseccl.License_Enterprise, "Enterprise"},
        {licenseccl.License_Evaluation, "Evaluation"},
    } {
        st := cluster.MakeTestingClusterSettings()
        updater := st.MakeUpdater()
        lic, _ := (&licenseccl.License{
            ClusterID:         []uuid.UUID{
            Type:              tc.licenseType,
            ValidUntilUnixSec: 0,
        }).Encode()
        if err := updater.Set("enterprise.license", lic, "s"); err != nil {
            t.Fatal(err)
        }
        actual, err := getLicenseType(st)
        if err != nil {
            t.Fatal(err)
        }
        if actual != tc.expected {
            t.Fatalf("expected license type %s, got %s", tc.expected, actual)
        }
    }
}

func TestGetLicenseTypeAbsent(t *testing.T) {
    expected := "None"
    actual, err := getLicenseType(cluster.MakeTestingClusterSettings())
    if err != nil {
        t.Fatal(err)
    }
    if actual != expected {
        t.Fatalf("expected license type %s, got %s", expected, actual)
    }
}
func TestSettingBadLicenseStrings(t *testing.T) {
    for _, tc := range []struct{ lic, err string }{
        "blah", "invalid license string",
        "cl-0-blah", "invalid license string",
    } {
        st := cluster.MakeTestingClusterSettings()
        u := st.MakeUpdater()

        err := u.Set("enterprise.license", tc.lic, "s"); !testutils.IsError(err, tc.err,
        )
        t.Fatalf("%q: expected err %q, got %v", tc.lic, tc.err, err)
    }
}

func TestTimeToEnterpriseLicenseExpiry(t *testing.T) {
    id, _ := uuid.FromString("A0000000-0000-0000-0000-00000000000A")

    t0 := timeutil.Unix(1603926294, 0)

    lic1M, _ := (&licenseccl.License{
        ClusterID: []uuid.UUID{id},
        Type: licenseccl.License_Enterprise,
        ValidUntilUnixSec: t0.AddDate(0, 1, 0).Unix(),
    }).Encode()

    lic2M, _ := (&licenseccl.License{
        ClusterID: []uuid.UUID{id},
        Type: licenseccl.License_Evaluation,
        ValidUntilUnixSec: t0.AddDate(0, 2, 0).Unix(),
    }).Encode()

    lic0M, _ := (&licenseccl.License{
        ClusterID: []uuid.UUID{id},
        Type: licenseccl.License_Evaluation,
        ValidUntilUnixSec: t0.AddDate(0, 0, 0).Unix(),
    }).Encode()

    licExpired, _ := (&licenseccl.License{
        ClusterID: []uuid.UUID{id},
        Type: licenseccl.License_Evaluation,
        ValidUntilUnixSec: t0.AddDate(0, -1, 0).Unix(),
    }).Encode()

    st := cluster.MakeTestingClusterSettings()
updater := st.MakeUpdater()

for _, tc := range []struct {
    desc    string
    lic     string
    ttlHours float64
} {
    {"One Month", lic1M, 24 * 31},
    {"Two Month", lic2M, 24*31 + 24*30},
    {"Zero Month", lic0M, 0},
    {"Expired", licExpired, -24 * 30},
    {"No License", "", 0},
} {
    t.Run(tc.desc, func(t *testing.T) {
        if err := updater.Set("enterprise.license", tc.lic, "s"); err != nil {
            t.Fatal(err)
        }
    }
}

actual, err := TimeToEnterpriseLicenseExpiry(context.Background(), st, t0)
if err != nil {
    t.Fatal(err)
}

require.Equal(t, tc.ttlHours, actual.Hours())
}
}

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package base

import {
    "context"
    "time"
    "github.com/cockroachdb/cockroach/pkg/settings/cluster"
    "github.com/cockroachdb/cockroach/pkg/util/uuid"
    "github.com/cockroachdb/errors"
}

// CheckEnterpriseEnabled returns a non-nil error if the requested enterprise
// feature is not enabled, including information or a link explaining how to
// enable it.
//
// This function is overridden by an init hook in CCL builds.
var CheckEnterpriseEnabled = func(_ *cluster.Settings, _ uuid.UUID, org, feature string) error {
    return errors.New("OSS binaries do not include enterprise features")
}

// TimeToEnterpriseLicenseExpiry returns a duration object that measures the time until
// the currently set enterprise license expires starting from the 3rd argument
// passed in.
//
// This function is overridden by an init hook in CCL builds
var TimeToEnterpriseLicenseExpiry = func(
    ctx context.Context, _ *cluster.Settings, _ time.Time,
) (time.Duration, error) {
    return 0, nil
}

// LicenseType returns what type of license the cluster is running with, or
// "OSS" if it is an OSS build.
//
// This function is overridden by an init hook in CCL builds.
var LicenseType = func(st *cluster.Settings) (string, error) {
    return "OSS", nil
}

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# Test multiple notices all display at once.
query T noticetrace
SELECT crdb_internal.notice('hi'), crdb_internal.notice('i am....'), crdb_internal.notice('otan!!!')
----
NOTICE: hi
NOTICE: i am....
NOTICE: otan!!!

subtest test_notice_severity

query T noticetrace
SELECT crdb_internal.notice('debug1', 'do not see this'), crdb_internal.notice('warning', 'but you see this'), crdb_internal.notice('debug2', 'and never this')
----
WARNING: but you see this

statement ok
SET client_min_messages = 'debug1'

query T noticetrace
SELECT crdb_internal.notice('debug1', 'now you see this'), crdb_internal.notice('warning', 'and you see this'), crdb_internal.notice('debug2', 'and never this')
----
DEBUG1: now you see this
WARNING: and you see this

statement ok
CREATE DATABASE d;
CREATE TABLE d.t (x int)

query T noticetrace
ALTER TABLE d.t RENAME TO d.t2
----
NOTICE: renaming tables with a qualification is deprecated
HINT: use ALTER TABLE d.t RENAME TO t2 instead

# Start off with an empty enum, and add values to it.
statement ok
CREATE TYPE color AS ENUM ()
statement ok
ALTER TYPE color ADD VALUE 'black'

query T noticetrace
ALTER TYPE color ADD VALUE IF NOT EXISTS 'black'
----
NOTICE: enum label "black" already exists, skipping

statement ok
CREATE MATERIALIZED VIEW v AS SELECT 1
query T noticetrace
REFRESH MATERIALIZED VIEW CONCURRENTLY v
----
NOTICE: CONCURRENTLY is not required as views are refreshed concurrently

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END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "{}" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

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limitations under the License.
# Test notices work as expected by creating a VIEW on a TEMP TABLE.

# Prepare the environment.

send
Query {"String": "DROP TABLE IF EXISTS t CASCADE"}
----

until ignore=NoticeResponse
ReadyForQuery
----
{"Type":"CommandComplete","CommandTag":"DROP TABLE"}
{"Type":"ReadyForQuery","TxStatus":"I"}

# Start of test.

send
Query {"String": "CREATE TABLE t(x INT, y INT)"}
----

until
ReadyForQuery
----
{"Type":"CommandComplete","CommandTag":"CREATE TABLE"}
{"Type":"ReadyForQuery","TxStatus":"I"}

send
Query {"String": "CREATE INDEX t_x_idx ON t(x)"}
----

until
ReadyForQuery
----
{"Type":"CommandComplete","CommandTag":"CREATE INDEX"}
{"Type":"ReadyForQuery","TxStatus":"I"}

send
Query {"String": "CREATE INDEX t_y_idx ON t(y)"}
----

until
ReadyForQuery
----
# Check that crdb reports a notice upon drop index.

send
Query {"String": "DROP INDEX t_x_idx"}
----

until crdb_only
CommandComplete
----

{"Severity":"NOTICE","Code":"00000","Message":"the data for dropped indexes is reclaimed asynchronously","Detail":null,"Hint":"The reclamation delay can be customized in the zone configuration for the table.","Position":0,"InternalPosition":0,"InternalQuery":null,"Where":null,"SchemaName":null,"TableName":null,"ColumnName":null,"DataTypeName":null,"ConstraintName":null,"File":"drop_index.go","Line":520,"Routine":"dropIndexByName","UnknownFields":null}

{"Type":"CommandComplete","CommandTag":"DROP INDEX"}

until noncrdb_only
CommandComplete
----

{"Type":"CommandComplete","CommandTag":"DROP INDEX"}

until
ReadyForQuery
----

{"Type":"ReadyForQuery","TxStatus":"I"}

# Disable notices and assert now it is not sent.

send crdb_only
Query {"String": "SET CLUSTER SETTING sql.notices.enabled = false"}
----

until crdb_only
ReadyForQuery
----

{"Type":"CommandComplete","CommandTag":"SET CLUSTER SETTING"}

{"Type":"ReadyForQuery","TxStatus":"I"}

# Check that the notice is not printed any more.

send
Query {"String": "DROP INDEX t_y_idx"}
----

until
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// https://github.com/cockroachdb/cockroach/blob/master/licenses/CCL.txt

package utilccl

import (
    "bytes"
    "context"
    "strings"
    "time"

    "github.com/cockroachdb/cockroach/pkg/base"
    "github.com/cockroachdb/cockroach/pkg/ccl/utilccl/licenseccl"
    "github.com/cockroachdb/cockroach/pkg/settings"
    "github.com/cockroachdb/cockroach/pkg/settings/cluster"
    "github.com/cockroachdb/cockroach/pkg/sql/pgwire/pgcode"
    "github.com/cockroachdb/cockroach/pkg/sql/pgwire/pgerror"
    "github.com/cockroachdb/cockroach/pkg/util/timeutil"
    "github.com/cockroachdb/cockroach/pkg/util/uuid"
    "github.com/cockroachdb/errors"
    "github.com/cockroachdb/redact"
)

var enterpriseLicense = func() *settings.StringSetting {
    s := settings.RegisterValidatedStringSetting(
        "enterprise.license",
        "the encoded cluster license",
        func(sv *settings.Values, s string) error {
            _, err := decode(s)
            return err
        },
        // Even though string settings are non-reportable by default, we still mark them explicitly in case a future code change flips the default.
        s.SetReportable(false)
        s.SetVisibility(settings.Public)
        return s
var testingEnterpriseEnabled = false

// TestingEnableEnterprise allows overriding the license check in tests.
func TestingEnableEnterprise() func() {
    before := testingEnterpriseEnabled
    testingEnterpriseEnabled = true
    return func() {
        testingEnterpriseEnabled = before
    }
}

// TestingDisableEnterprise allows re-enabling the license check in tests.
func TestingDisableEnterprise() func() {
    before := testingEnterpriseEnabled
    testingEnterpriseEnabled = false
    return func() {
        testingEnterpriseEnabled = before
    }
}

// CheckEnterpriseEnabled returns a non-nil error if the requested enterprise
// feature is not enabled, including information or a link explaining how to
// enable it.
func CheckEnterpriseEnabled(st *cluster.Settings, cluster uuid.UUID, org, feature string) error {
    if testingEnterpriseEnabled {
        return nil
    }
    return checkEnterpriseEnabledAt(st, timeutil.Now(), cluster, org, feature)
}

func init() {
    base.CheckEnterpriseEnabled = CheckEnterpriseEnabled
    base.LicenseType = getLicenseType
    base.TimeToEnterpriseLicenseExpiry = TimeToEnterpriseLicenseExpiry
}

// TimeToEnterpriseLicenseExpiry returns a Duration from `asOf` until the current
// enterprise license expires. If a license does not exist, we return a
// zero duration.
func TimeToEnterpriseLicenseExpiry(
    ctx context.Context, st *cluster.Settings, asOf time.Time,
) (time.Duration, error) {
    var lic *licenseccl.License
    // FIXME(tschottdorf): see whether it makes sense to cache the decoded
    // license.
    if str := enterpriseLicense.Get(&st.SV); str != "" {
var err error
if lic, err = decode(str); err != nil {
    return 0, err
}
else {
    return 0, nil
}

expiration := timeutil.Unix(lic.ValidUntilUnixSec, 0)
return expiration.Sub(asOf), nil

func checkEnterpriseEnabledAt(st *cluster.Settings, at time.Time, cluster uuid.UUID, org, feature string) error {
    var lic *licenseccl.License
    // FIXME(tschottdorf): see whether it makes sense to cache the decoded license.
    if str := enterpriseLicense.Get(&st.SV); str != "" {
        var err error
        if lic, err = decode(str); err != nil {
            return err
        }
    }
    return check(lic, at, cluster, org, feature)
}

func getLicenseType(st *cluster.Settings) (string, error) {
    str := enterpriseLicense.Get(&st.SV)
    if str == "" {
        return "None", nil
    }
    lic, err := decode(str)
    if err != nil {
        return "", err
    }
    return lic.Type.String(), nil
}

// decode attempts to read a base64 encoded License.
func decode(s string) (*licenseccl.License, error) {
    lic, err := licenseccl.Decode(s)
    if err != nil {
        return nil, pgerror.WithCandidateCode(err, pgcode.Syntax)
    }
    return lic, err
}
// check returns an error if the license is empty or not currently valid.
func check(l *licenseccl.License, at time.Time, cluster uuid.UUID, org, feature string) error {
    if l == nil {
        // TODO(dt): link to some stable URL that then redirects to a helpful page
        // that explains what to do here.
        link := "https://cockroachlabs.com/pricing?cluster="
        return pgerror.Newf(pgcode.CCLValidLicenseRequired,
            "use of %s requires an enterprise license. "+
            "see %s for details on how to enable enterprise features",
            errors.Safe(feature),
            link,
            cluster.String(),
        )
    }

    // We extend some grace period to enterprise license holders rather than
    // suddenly throwing errors at them.
    if l.ValidUntilUnixSec > 0 && l.Type != licenseccl.License_Enterprise {
        if expiration := timeutil.Unix(l.ValidUntilUnixSec, 0); at.After(expiration) {
            licensePrefix := redact.SafeString(""
            switch l.Type {
                case licenseccl.License_NonCommercial:
                    licensePrefix = "non-commercial 
                case licenseccl.License_Evaluation:
                    licensePrefix = "evaluation 
            }
            return pgerror.Newf(pgcode.CCLValidLicenseRequired,
                "Use of %s requires an enterprise license. Your %slicense expired on %s. If you're "+
                "interested in getting a new license, please contact subscriptions@cockroachlabs.com "+
                "and we can help you out.",
                errors.Safe(feature),
                licensePrefix,
                expiration.Format("January 2, 2006"),
            )
        }
    }

    if l.ClusterID == nil {
        if strings.EqualFold(l.OrganizationName, org) {
            return nil
        }
        return pgerror.Newf(pgcode.CCLValidLicenseRequired,
            "license valid only for %q", l.OrganizationName)
    }

    for _, c := range l.ClusterID {
        if cluster == c {
            return nil
        }
    }
}
// no match, so compose an error message.
var matches bytes.Buffer
for i, c := range l.ClusterID {
    if i > 0 {
        matches.WriteString(",
    }
    matches.WriteString(c.String())
}
return pgerror.Newf(pgcode.CCLValidLicenseRequired, "license for cluster(s) %s is not valid for cluster %s", matches.String(), cluster.String(), )

// Code generated by protoc-gen-gogo. DO NOT EDIT.
// source: ccl/utilccl/licenseccl/license.proto
	package licenseccl

import proto "github.com/gogo/protobuf/proto"
import fmt "fmt"
import math "math"
import github_com_cockroachdb_cockroach_pkg_util_uuid "github.com/cockroachdb/cockroach/pkg/util/uuid"
import io "io"

// Reference imports to suppress errors if they are not otherwise used.
var _ = proto.Marshal
var _ = fmt.Errorf
var _ = math.Inf

// This is a compile-time assertion to ensure that this generated file
// is compatible with the proto package it is being compiled against.
// A compilation error at this line likely means your copy of the
// proto package needs to be updated.
const _ = proto.GoGoProtoPackageIsVersion2 // please upgrade the proto package

type License_Type int32

const ( License_NonCommercial License_Type = 0 License_Enterprise License_Type = 1 License_Evaluation License_Type = 2 )
var License_Type_name = map[int32]string{
    0: "NonCommercial",
    1: "Enterprise",
    2: "Evaluation",
}
var License_Type_value = map[string]int32{
    "NonCommercial": 0,
    "Enterprise": 1,
    "Evaluation": 2,
}

func (x License_Type) String() string {
    return proto.EnumName(License_Type_name, int32(x))
}

func (License_Type) EnumDescriptor() ([]byte, []int) {
    return fileDescriptor_license_9dc270caeb56da02, []int{0, 0}
}

type License struct {
    ClusterID         []github_com_cockroachdb_cockroach_pkg_util_uuid.UUID
        "protobuf": "bytes,1,rep,name=cluster_id,json=clusterId,proto3,customtype=github.com/cockroachdb/cockroach/pkg/util/uuid.UUID" json:"cluster_id"
    ValidUntilUnixSec int64
        "protobuf": "varint,2,opt,name=valid_until_unix_sec,json=validUntilUnixSec,proto3"
            json:"valid_until_unix_secomitempty"
    Type              License_Type
        "protobuf": "varint,3,opt,name=type,proto3,enum=cockroach.ccl.utilccl.licenseccl.License_Type"
            json:"type,omitempty"
    OrganizationName  string
        "protobuf": "bytes,4,opt,name=organization_name,json=organizationName,proto3"
            json:"organization_name,omitempty"
}

func (m *License) Reset()     { *m = License{} }
func (m *License) String() string { return proto.CompactTextString(m) }
func (*License) ProtoMessage() {}
func (*License) Descriptor() ([]byte, []int) {
    return fileDescriptor_license_9dc270caeb56da02, []int{0}
}
func (m *License) XXX.Unmarshal(b []byte) error {
    return m.Unmarshal(b)
}
func (m *License) XXX.Marshal(b []byte, deterministic bool) ([]byte, error) {
    b = b[:cap(b)]
    n, err := m.MarshalTo(b)
    if err != nil {
        return nil, err
    }
}
func (m *License) Marshal() (dAtA []byte, err error) {
    size := m.Size()
    dAtA = make([]byte, size)
    n, err := m.MarshalTo(dAtA)
    if err != nil {
        return nil, err
    }
    return dAtA[:n], nil
}

func (m *License) MarshalTo(dAtA []byte) (int, error) {
    var i int
    _, = i
    var l int
    _, = l
    if len(m.ClusterID) > 0 {
        for _, msg := range m.ClusterID {
            dAtA[i] = 0xa
            i++
            i = encodeVarintLicense(dAtA, i, uint64(msg.Size()))
            n, err := msg.MarshalTo(dAtA[i:])
            if err != nil {
                return 0, err
            }
            i += n
        }
    }
    if m.ValidUntilUnixSec != 0 {
        dAtA[i] = 0x10
        i++
    }
    return
i = encodeVarintLicense(dAtA, i, uint64(m.ValidUntilUnixSec))
}
if m.Type != 0 {
    dAtA[i] = 0x18
    i++
i = encodeVarintLicense(dAtA, i, uint64(m.Type))
}
if len(m.OrganizationName) > 0 {
    dAtA[i] = 0x22
    i++
i = encodeVarintLicense(dAtA, i, uint64(len(m.OrganizationName))))
i += copy(dAtA[i:], m.OrganizationName)
}
return i, nil
}

func encodeVarintLicense(dAtA []byte, offset int, v uint64) int {
    for v >= 1<<7 {
        dAtA[offset] = uint8(v&0x7f | 0x80)
        v >>= 7
        offset++
    }
    dAtA[offset] = uint8(v)
    return offset + 1
}

func (m *License) Size() (n int) {
    if m == nil {
        return 0
    }
    var l int
    _ = l
    if len(m.ClusterID) > 0 {
        for _, e := range m.ClusterID {
            l = e.Size()
            n += 1 + l + sovLicense(uint64(l))
        }
    }
    if m.ValidUntilUnixSec != 0 {
        n += 1 + sovLicense(uint64(m.ValidUntilUnixSec))
    }
    if m.Type != 0 {
        n += 1 + sovLicense(uint64(m.Type))
    }
    l = len(m.OrganizationName)
    if l > 0 {
        n += 1 + l + sovLicense(uint64(l))
    }
    return n
func sovLicense(x uint64) (n int) {
    for {
        n++
        x >>= 7
        if x == 0 {
            break
        }
    }
    return n
}

func sozLicense(x uint64) (n int) {
    return sovLicense(uint64((x << 1) ^ uint64((int64(x) >> 63))))
}

func (m *License) Unmarshal(dAtA []byte) error {
    l := len(dAtA)
    iNdEx := 0
    for iNdEx < l {
        preIndex := iNdEx
        var wire uint64
        for shift := uint(0); ; shift += 7 {
            if shift >= 64 {
                return ErrIntOverflowLicense
            }
            if iNdEx >= l {
                return io.ErrUnexpectedEOF
            }
            b := dAtA[preIndex]
            preIndex++
            wire |= (uint64(b) & 0x7F) << shift
            if b < 0x80 {
                break
            }
        }
        fieldNum := int32(wire >> 3)
        wireType := int(wire & 0x7)
        if wireType == 4 {
            return fmt.Errorf("proto: License: wiretype end group for non-group")
        }
        if fieldNum <= 0 {
            return fmt.Errorf("proto: License: illegal tag %d (wire type %d)", fieldNum, wireType)
        }
        switch fieldNum {
        case 1:
            if wireType != 2 {
                return fmt.Errorf("proto: License: wrong wireType = %d for field ClusterID", wireType)
            }
        }
    }
}
var byteLen int
for shift := uint(0); ; shift += 7 {  
    if shift >= 64 {  
        return ErrIntOverflowLicense  
    }
    if iNdEx >= 1 {  
        return io.ErrUnexpectedEOF  
    }
    b := dAtA[iNdEx]
    iNdEx++
    byteLen |= (int(b) & 0x7F) << shift
    if b < 0x80 {  
        break  
    }
    if byteLen < 0 {  
        return ErrInvalidLengthLicense  
    }
    postIndex := iNdEx + byteLen
    if postIndex > l {  
        return io.ErrUnexpectedEOF  
    }
    var v github_com_cockroachdb_cockroach_pkg_util_uuid.UUID
    m.ClusterID = append(m.ClusterID, v)
    if err := m.ClusterID[len(m.ClusterID)-1].Unmarshal(dAtA[iNdEx:postIndex]); err != nil {  
        return err  
    }
    iNdEx = postIndex
}
case 2:
    if wireType != 0 {  
        return fmt.Errorf("proto: wrong wireType = %d for field ValidUntilUnixSec", wireType)  
    }
    m.ValidUntilUnixSec = 0
    for shift := uint(0); ; shift += 7 {  
        if shift >= 64 {  
            return ErrIntOverflowLicense  
        }
        if iNdEx >= 1 {  
            return io.ErrUnexpectedEOF  
        }
        b := dAtA[iNdEx]
        iNdEx++
        m.ValidUntilUnixSec |= (int64(b) & 0x7F) << shift
        if b < 0x80 {  
            break  
        }
    }
    m.ValidUntilUnixSec = int64(m.ValidUntilUnixSec)
if wireType != 0 {
    return fmt.Errorf("proto: wrong wireType = %d for field Type", wireType)
}
m.Type = 0
for shift := uint(0); ; shift += 7 {
    if shift >= 64 {
        return ErrIntOverflowLicense
    }
    if iNdEx >= l {
        return io.ErrUnexpectedEOF
    }
    b := dAtA[iNdEx]
    iNdEx++
    m.Type |= (License_Type(b) & 0x7F) << shift
    if b < 0x80 {
        break
    }
}
case 4:
    if wireType != 2 {
        return fmt.Errorf("proto: wrong wireType = %d for field OrganizationName", wireType)
    }
    var stringLen uint64
    for shift := uint(0); ; shift += 7 {
        if shift >= 64 {
            return ErrIntOverflowLicense
        }
        if iNdEx >= l {
            return io.ErrUnexpectedEOF
        }
        b := dAtA[iNdEx]
        iNdEx++
        stringLen |= (uint64(b) & 0x7F) << shift
        if b < 0x80 {
            break
        }
    }
    intStringLen := int(stringLen)
    if intStringLen < 0 {
        return ErrInvalidLengthLicense
    }
    postIndex := iNdEx + intStringLen
    if postIndex > l {
        return io.ErrUnexpectedEOF
    }
    m.OrganizationName = string(dAtA[iNdEx:postIndex])
    iNdEx = postIndex
default:
i Nguyên = preIndex
skippy, err := skipLicense(dAtA[i Nguyên:])
if err != nil {
    return err
}
if (skippy < 0) || (i Nguyên+skippy) < 0 {
    return ErrInvalidLengthLicense
}
if (i Nguyên + skippy) > l {
    return io.ErrUnexpectedEOF
}
i Nguyên += skippy

if i Nguyên > 1 {
    return io.ErrUnexpectedEOF
}
return nil
}
func skipLicense(dAtA []byte) (n int, err error) {
    l := len(dAtA)
i Nguyên := 0
    for i Nguyên < l {
        var wire uint64
        for shift := uint(0); ; shift += 7 {
            if shift >= 64 {
                return 0, ErrIntOverflowLicense
            }
            if i Nguyên >= l {
                return 0, io.ErrUnexpectedEOF
            }
            b := dAtA[i Nguyên]
i Nguyên++
            wire |= (uint64(b) & 0x7F) << shift
            if b < 0x80 {
                break
            }
        }
        wireType := int(wire & 0x7)
        switch wireType {
            case 0:
                for shift := uint(0); ; shift += 7 {
                    if shift >= 64 {
                        return 0, ErrIntOverflowLicense
                    }
                    if i Nguyên >= l {
                        return 0, io.ErrUnexpectedEOF
                    }
                    b := dAtA[i Nguyên]
i Nguyên++
                    wire |= (uint64(b) & 0x7F) << shift
                    if b < 0x80 {
                        break
                    }
                }
        }
    }
    return n, nil
}
if dAtA[iNdEx-1] < 0x80 {
    break
}
}
return iNdEx, nil

case 1:
iNdEx += 8
return iNdEx, nil

case 2:
    var length int
    for shift := uint(0); ; shift += 7 {
        if shift >= 64 {
            return 0, ErrIntOverflowLicense
        }
        if iNdEx >= 1 {
            return 0, io.ErrUnexpectedEOF
        }
        b := dAtA[iNdEx]
        iNdEx++
        length |= (int(b) & 0x7F) << shift
        if b < 0x80 {
            break
        }
    }
    iNdEx += length
    if length < 0 {
        return 0, ErrInvalidLengthLicense
    }
    return iNdEx, nil

case 3:
    for {
        var innerWire uint64
        var start int = iNdEx
        for shift := uint(0); ; shift += 7 {
            if shift >= 64 {
                return 0, ErrIntOverflowLicense
            }
            if iNdEx >= 1 {
                return 0, io.ErrUnexpectedEOF
            }
            b := dAtA[iNdEx]
            iNdEx++
            innerWire |= (uint64(b) & 0x7F) << shift
            if b < 0x80 {
                break
            }
        }
    }
innerWireType := int(innerWire & 0x7)
if innerWireType == 4 {
    break
}
next, err := skipLicense(dAtA[start:]
if err != nil {
    return 0, err
}
iNdEx = start + next
return iNdEx, nil
}
case 4:
    return iNdEx, nil
case 5:
iNdEx += 4
    return iNdEx, nil
default:
    return 0, fmt.Errorf("proto: illegal wireType %d", wireType)
}
panic("unreachable")

var (ErrInvalidLengthLicense = fmt.Errorf("proto: negative length found during unmarshaling")
ErrIntOverflowLicense = fmt.Errorf("proto: integer overflow")
)

func init() {
    proto.RegisterFile("ccl/utilccl/licenseccl/license.proto", fileDescriptor_license_9dc270caeb56da02)
}

var fileDescriptor_license_9dc270caeb56da02 = []byte{
    // 362 bytes of a gzipped FileDescriptorProto
0x1f, 0x8b, 0x08, 0x00, 0x00, 0x00, 0x00, 0x02, 0xff, 0x84, 0x91, 0x31, 0x8f, 0x8a, 0x0a, 0x30, 0x1c, 0xc5, 0x63, 0x40, 0xad, 0xb0, 0x5a, 0x14, 0x22, 0x86, 0xa8, 0x83, 0x89, 0x50, 0x87, 0x48, 0xad, 0x1c, 0xa9, 0x4c, 0x5d, 0x81, 0x4a, 0x45, 0xa9, 0x18, 0xd2, 0x66, 0xe9, 0x12, 0x19, 0xc7, 0x0a, 0x16, 0x8e, 0x1d, 0x25, 0x36, 0x82, 0x7e, 0xa8, 0x7e, 0x2c, 0xb6, 0x63, 0x44, 0x37, 0xa0, 0xbb, 0x0f, 0x45, 0x4e, 0x09, 0xe8, 0x60, 0xbb, 0xc9, 0xcf, 0xa0, 0xf7, 0xcf, 0x9f, 0xf9, 0xf0, 0x33, 0xa5, 0x22, 0x30, 0x9a, 0x8b, 0xfa, 0x14, 0x9c, 0x32, 0x59, 0xb2, 0x3b, 0x89, 0xf3, 0x42, 0x69, 0xce, 0x57, 0x78, 0x54, 0xd1, 0x75, 0xa1, 0x08, 0x5d, 0xd6, 0x4a, 0x05, 0xbe, 0xe6, 0xf1, 0x2d, 0xff, 0x69, 0x90, 0xa9, 0x35, 0xe1, 0xa0, 0x56, 0x17, 0xe6, 0xf4, 0xd0, 0x82, 0xef, 0x7f, 0x5d, 0x42, 0x4e, 0x0a, 0x21, 0x15, 0xa6, 0xd4, 0xac, 0x88, 0x79, 0xe2, 0x02, 0xaf, 0xed, 0x7f, 0x98, 0xf7, 0xc6, 0xe3, 0x9f, 0x86, 0x6d, 0xe3, 0x69, 0x38, 0x3e, 0xb9, 0x9e, 0x25, 0xe6, 0x2a, 0xb0, 0xe5, 0x9f, 0x4a, 0x96, 0x37, 0x1d, 0xe4, 0xeb, 0xb4, 0x59, 0x33, 0x30, 0x86, 0x27, 0x38, 0x8a, 0xe6, 0xb3, 0xe0, 0x34, 0xe4, 0x2f, 0xe0, 0xe7, 0xb3, 0xb0, 0x7b, 0x9d, 0x3d, 0x4f, 0x9c, 0x00, 0xe0, 0x36, 0x44, 0xf0, 0x24, 0x36, 0x52, 0x73, 0x11, 0x1b, 0x9c, 0xb7, 0x71,
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//
//   https://github.com/cockroachdb/cockroach/blob/master/licenses/CCL.txt

package licenseccl

import (
    "encoding/base64"
    "strings"
    "github.com/cockroachdb/cockroach/pkg/util/protoutil"
    "github.com/cockroachdb/errors"
)

// LicensePrefix is a prefix on license strings to make them easily recognized.
const LicensePrefix = "crl-0-"

// Encode serializes the License as a base64 string.
func (l *License) Encode() (string, error) {
    bytes, err := protoutil.Marshal(l)
    if err != nil {
        return "", err
    }
    return LicensePrefix + base64.RawStdEncoding.EncodeToString(bytes), nil
}

// Decode attempts to read a base64 encoded License.
func Decode(s string) (*License, error) {
    if s == "" {
        return nil, nil
    }
    if !strings.HasPrefix(s, LicensePrefix) {
        return nil, errors.New("invalid license string")
    }
    s = strings.TrimPrefix(s, LicensePrefix)
    data, err := base64.RawStdEncoding.DecodeString(s)
    if err != nil {
        return nil, errors.Wrap(err, "invalid license string")
    }
    return
var lic License
if err := protoutil.Unmarshal(data, &lic); err != nil {
    return nil, errors.Wrap(err, "invalid license string")
}
return &lic, nil

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// the License. You may obtain a copy of the License at
//
//     https://github.com/cockroachdb/cockroach/blob/master/licenses/CCL.txt

@require '~styl/base/palette.styl'

.need-license
    padding-left 70px
    padding-right 70px
    padding-top 70px
    padding-bottom 30px

.need-license-blurb
    margin-bottom 30px
    display flex
    justify-content space-between
    align-items flex-start

    a
        color $link-color
        text-decoration none

        &__header
            text-transform none
            letter-spacing normal

        &__text
            margin-top 20px
            width 470px
            line-height 26px

        &__trial-link
            font-size 16px
            border 1px solid $button-border-color
            border-radius 5px
            padding-left 30px
            padding-right 30px
            padding-top 10px
PostgreSQL Database Management System
(formerly known as Postgres, then as Postgres95)

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import React from "react";

import step1Img from "assets/nodeMapSteps/1-getLicense.png";
import step2Img from "assets/nodeMapSteps/2-setKey.svg";
import step3Img from "assets/nodeMapSteps/3-seeMap.png";

import {
  NodeCanvasContainerOwnProps,
} from "src/views/clusterviz/containers/map/nodeCanvasContainer";
import * as docsURL from "src/util/docs";
import "./needEnterpriseLicense.styl";

// This takes the same props as the NodeCanvasContainer which it is swapped out with.

function Step(props: { num: number, img: string, children: React.ReactNode }) {
  return (
    <div className="license-step">
      <img src={props.img} className="license-step__image" />
      <div className="license-step__text">
        <span className="license-step__stepnum">Step {props.num}:</span> {props.children}
      </div>
    </div>
  );
}

export default class NeedEnterpriseLicense extends React.Component<NodeCanvasContainerOwnProps> {
  render() {
    return (
      <section className="need-license">
        <div className="need-license-blurb">
          <div>
            <h1 className="base-heading need-license-blurb__header">View the Node Map</h1>
            <p className="need-license-blurb__text">
              The Node Map shows the geographical layout of your cluster, along
            </p>
          </div>
        </div>
      </section>
    );
  }
}
with metrics and health indicators. To enable the Node Map, request an Enterprise trial license and refer to this configuration guide.

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Follow this guide to configure localities and locations.

package builtins

import (  
    "strings"  
    "/github.com/cockroachdb/cockroach/pkg/sql/pgwire/pgnotice"  
    "/github.com/cockroachdb/cockroach/pkg/sql/sem/tree"  
    "/github.com/cockroachdb/errors"
)

// crdbInternalSendNotice sends a notice.  
// Note this is extracted to a different file to prevent churn on the pgwire
// test, which records line numbers.
func crdbInternalSendNotice(
    ctx *tree.EvalContext, severity string, msg string,
) (tree.Datum, error) {
    if ctx.ClientNoticeSender == nil {
        return nil, errors.AssertionFailedf("notice sender not set")
    }
    ctx.ClientNoticeSender.SendClientNotice(
        ctx.Context,
        pgnotice.NewWithSeverityf(strings.ToUpper(severity), "%s", msg),
    )
    return tree.NewDInt(0), nil
}

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package sql

import (
    "context"
    "github.com/cockroachdb/cockroach/pkg/settings"
    "github.com/cockroachdb/cockroach/pkg/sql/pgwire/pgerror"
    "github.com/cockroachdb/cockroach/pkg/sql/pgwire/pgnotice"
    "github.com/cockroachdb/cockroach/pkg/util/log"
)

// NoticesEnabled is the cluster setting that allows users
// to enable notices.
var NoticesEnabled = settings.RegisterPublicBoolSetting("sql.notices.enabled")
"enable notices in the server/client protocol being sent",
true,
)

// noticeSender is a subset of RestrictedCommandResult which allows
// sending notices.
type noticeSender interface {
    AppendNotice(error)
}

// SendClientNotice implements the tree.ClientNoticeSender interface.
func (p *planner) SendClientNotice(ctx context.Context, err error) {
    if log.V(2) {
        log.Infof(ctx, "out-of-band notice: %+v", err)
    }
    noticeSeverity, ok := pgnotice.ParseDisplaySeverity(pgerror.GetSeverity(err))
    if !ok {
        noticeSeverity = pgnotice.DisplaySeverityNotice
    }
    if p.noticeSender == nil ||
        noticeSeverity > p.SessionData().NoticeDisplaySeverity ||
        !NoticesEnabled.Get(&p.execCfg.Settings.SV) {
        // Notice cannot flow to the client - because of one of these conditions:
        // * there is no client
        // * the session's NoticeDisplaySeverity is higher than the severity of the notice.
        // * the notice protocol was disabled
        return
    }
    p.noticeSender.AppendNotice(err)
}

1.2254 x-net v0.0.0-20201110031124-69a78807bb2b
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1.2255 lz4 1.7.0

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# Jackson JSON processor

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

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# Jackson JSON processor

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

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# Jackson JSON processor

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1.2270 async-listen 1.2.0

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1.2277 @babel/plugin-transform-destructuring 7.2.0

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1.2279 slack-client 4.8.0

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1.2280 apt 1.4.9

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a purpose that is entirely well-defined independent of the 
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1.2285 boost 1.62.0

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#include <boost/mpl/push_back.hpp>
#include <boost/mpl/quote.hpp>
#include <boost/mpl/transform.hpp>
#include <boost/mpl/vector.hpp>

template <typename X>
struct f { using type = X; };

template <int i>
struct t { };

using vector = <%= mpl_vector((1..input_size).to_a.map { |n| "t<#{n}>>" }) %>; 

using result = boost::mpl::transform<vector, boost::mpl::quote1<f>>::type;

int main() {}
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#ifndef BOOST_INTRUSIVE_DETAIL_MPL_HPP
#define BOOST_INTRUSIVE_DETAIL_MPL_HPP

#include <boost/config.hpp>

#define BOOST_INTRUSIVE_DETAIL_MPL_HPP
#endif

#include <boost/move/detail/type_traits.hpp>
#include <cstddef>

namespace boost {
namespace intrusive {
namespace detail {

using boost::move_detail::is_same;
using boost::move_detail::add_const;
using boost::move_detail::remove_const;
using boost::move_detail::remove_cv;
using boost::move_detail::remove_reference;
using boost::move_detail::add_reference;
using boost::move_detail::remove_pointer;
using boost::move_detail::add_pointer;
using boost::move_detail::true_type;
using boost::move_detail::false_type;

}}}
using boost::move_detail::enable_if_c;
using boost::move_detail::enable_if;
using boost::move_detail::disable_if_c;
using boost::move_detail::disable_if;
using boost::move_detail::is_convertible;
using boost::move_detail::if_c;
using boost::move_detail::if_;  
using boost::move_detail::is_const;
using boost::move_detail::identity;
using boost::move_detail::alignment_of;
using boost::move_detail::is_empty;
using boost::move_detail::addressof;
using boost::move_detail::integral_constant;
using boost::move_detail::enable_if_convertible;
using boost::move_detail::disable_if_convertible;
using boost::move_detail::bool_;  
using boost::move_detail::true_;  
using boost::move_detail::false_;  
using boost::move_detail::yes_type;
using boost::move_detail::no_type;
using boost::move_detail::apply;
using boost::move_detail::eval_if_c;
using boost::move_detail::eval_if;
using boost::move_detail::unvoid_ref;
using boost::move_detail::add_const_if_c;

template<std::size_t S>
struct ls_zeros
{
  static const std::size_t value = (S & std::size_t(1)) ? 0 : (1 + ls_zeros<(S>>1u)::value);
};

template<>
struct ls_zeros<0>
{
  static const std::size_t value = 0;
};

template<>
struct ls_zeros<1>
{
  static const std::size_t value = 0;
};

// Infrastructure for providing a default type for T::TNAME if absent.
#define BOOST_INTRUSIVE_INSTANTIATE_DEFAULT_TYPE_TMPLT(TNAME)     
  template<typename T>                                          
    struct boost_intrusive_has_type_ ## TNAME


template <typename X>
static char test(int, typename X::TNAME*);

template <typename X>
static int test(...);

static const bool value = (1 == sizeof(test<T>(0, 0)));}

template <typename X>
static int test(...);

static const bool value = (1 == sizeof(test<T>(0, 0)));};

template <typename T, typename DefaultType>
struct boost_intrusive_default_type_##TNAME
{
  struct DefaultWrap { typedef DefaultType TNAME; };  
  typedef typename ::boost::intrusive::detail::if_c
  < boost_intrusive_has_type_##TNAME<T>::value
    , T, DefaultWrap>::type::TNAME type;
};

//
#define BOOST_INTRUSIVE_OBTAIN_TYPE_WITH_DEFAULT(INSTANTIATION_NS_PREFIX, T, TNAME, TIMPL)  
  typename INSTANTIATION_NS_PREFIX                                                       
  boost_intrusive_default_type_##TNAME< T, TIMPL >::type  
//
#define BOOST_INTRUSIVE_HAS_TYPE(INSTANTIATION_NS_PREFIX, T, TNAME)  
  INSTANTIATION_NS_PREFIX                                        
  boost_intrusive_has_type_##TNAME< T >::value          
//
#define BOOST_INTRUSIVE_INSTANTIATE_EVAL_DEFAULT_TYPE_TMPLT(TNAME)  
  template <typename T, typename DefaultType>
  struct boost_intrusive_eval_default_type_##TNAME
  {
    template <typename X>
    static char test(int, typename X::TNAME*);
    
    template <typename X>
    static int test(...);
    
    struct DefaultWrap
    {
      typedef typename DefaultType::type TNAME;
    }
    
    static const bool value = (1 == sizeof(test<T>(0, 0)));  
  };


typedef typename ::boost::intrusive::detail::eval_if_c< value, ::boost::intrusive::detail::identity<T>, ::boost::intrusive::detail::identity<DefaultWrap> >::type::TNAME type;

//

#define BOOST_INTRUSIVE_OBTAIN_TYPE_WITH_EVAL_DEFAULT(INSTANTIATION_NS_PREFIX, T, TNAME, TIMPL) typename INSTANTIATION_NS_PREFIX::boost_intrusive_eval_default_type_##TNAME< T, TIMPL >::type

//

#define BOOST_INTRUSIVE_INTERNAL_STATIC_BOOL_IS_TRUE(TRAITS_PREFIX, TYPEDEF_TO_FIND) template <class T>
struct TRAITS_PREFIX##_bool
{
    template<bool Add>
    struct two_or_three {yes_type _[2 + Add];};
    template <class U> static yes_type test(...);
    template <class U> static two_or_three<U::TYPEDEF_TO_FIND> test (int);
    static const std::size_t value = sizeof(test<T>(0));
};

template <class T>
struct TRAITS_PREFIX##_bool_is_true
{
    static const bool value = TRAITS_PREFIX##_bool<T>::value > sizeof(yes_type)*2;
};

//

#define BOOST_INTRUSIVE_HAS_STATIC_MEMBER_FUNC_SIGNATURE(TRAITS_NAME, FUNC_NAME) template <typename U, typename Signature> class TRAITS_NAME
{
    private:
    template<Signature> struct helper;
    template<typename T> 
    static ::boost::intrusive::detail::yes_type test(helper<&T::FUNC_NAME>*) ;
    template<typename T> static ::boost::intrusive::detail::no_type test(...);
    public:
    static const bool value = sizeof(test<U>(0)) == sizeof(::boost::intrusive::detail::yes_type);
};

//
```cpp
#define BOOST_INTRUSIVE_HAS_MEMBER_FUNC_CALLED(TRAITS_NAME, FUNC_NAME) \
template <typename Type> \
struct TRAITS_NAME \
{ \
    struct BaseMixin \
    { \
        void FUNC_NAME(); \
    }; \
    struct Base : public Type, public BaseMixin { Base(); }; \
    template <typename T, T t> class Helper{}; \
    template <typename U> \
    static ::boost::intrusive::detail::no_type  test(U*, Helper<void(BaseMixin::*), &U::FUNC_NAME>* = 0); \
    static ::boost::intrusive::detail::yes_type test(...); \
    static const bool value = sizeof(::boost::intrusive::detail::yes_type) == sizeof(test((Base*)(0))); \
};
//
#define BOOST_INTRUSIVE_HAS_MEMBER_FUNC_CALLED_IGNORE_SIGNATURE(TRAITS_NAME, \
FUNC_NAME) \
BOOST_INTRUSIVE_HAS_MEMBER_FUNC_CALLED(TRAITS_NAME##_ignore_signature, FUNC_NAME) \
//
template <typename Type, class> \
struct TRAITS_NAME \
: public TRAITS_NAME##_ignore_signature<Type> \
{ }; \
//namespace detail \
} //namespace intrusive \
} //namespace boost 

#include <boost/intrusive/detail/config_end.hpp>
#endif //BOOST_INTRUSIVE_DETAIL_MPL_HPP
```

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```

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// Copyright (c) 2008-2011 Bruno Lalande, Paris, France.
// Copyright (c) 2009-2011 Mateusz Loskot, London, UK.

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- implemented file-format e.g. WKB
- implemented specific strategy or algorithm e.g. intersections
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[section:mpl MPL Interoperability]

All the value based traits in this library conform to MPL's requirements
for an [../../../../libs/mpl/doc/refmanual/integral-constant.html Integral Constant type].

Please note that these types no longer inherit from `mpl::true_` or `mpl::false_` etc, and the library
will no longer implicitly include any MPL header. However there is an implicit conversion from
`integral_constant` to the corresponding MPL types, therefore tag-dispatching that uses MPL types
in function overloads will still work as before.

[endsect]
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Some portions are also:
All the value based traits in this library conform to MPL’s requirements for an Integral Constant type.
Please note that these types no longer inherit from `mpl::true_` or `mpl::false_` etc, and the library will no longer implicitly include any MPL header. However there is an implicit conversion from `integral_constant` to the corresponding MPL types, therefore tag-dispatching that uses MPL types in function overloads will still work as before.


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```cpp
var group__group_ext_mpl =
[
    ["integral_c", "structboost_1_1mpl_1_1integral__c.html", null ],
    ["list", "structboost_1_1mpl_1_1list.html", null ],
    ["vector", "structboost_1_1mpl_1_1vector.html", null ]
];
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#include <boost/mpl/push_back.hpp>
#include <boost/mpl/vector.hpp>

template <int i>
struct t { };

using vector = mpl_vector((1..input_size).to_a.map [ n ] "t<#{n}>" ));

int main() { }
```

---

**Open Source Used In MSX Platform Infrastructure 4.1.0 17928**
#ifndef BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP
#define BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP

#ifndef BOOST_CONFIG_HPP
#  include <boost/config.hpp>
#endif

#if defined(BOOST_HAS_PRAGMA_ONCE)
#  pragma once
#endif

#include <boost/container/detail/config_begin.hpp>
#include <boost/container/detail/workaround.hpp>
#include <boost/move/detail/mpl.hpp>
#include <cstddef>

namespace boost {
namespace container {
namespace dtl {

using boost::move_detail::integral_constant;
using boost::move_detail::true_type;
using boost::move_detail::false_type;
using boost::move_detail::enable_if_c;
using boost::move_detail::enable_if;
using boost::move_detail::enable_if_convertible;
using boost::move_detail::disable_if_c;
using boost::move_detail::disable_if;
using boost::move_detail::disable_if_convertible;
using boost::move_detail::is_convertible;
using boost::move_detail::if_c;
using boost::move_detail::if_; 
using boost::move_detail::identity;
using boost::move_detail::bool_; 
using boost::move_detail::true_; 
using boost::move_detail::false_; 
using boost::move_detail::yes_type;
using boost::move_detail::no_type;
using boost::move_detail::bool_; 
using boost::move_detail::true_; 
using boost::move_detail::false_; 
using boost::move_detail::unvoid_ref; 
using boost::move_detail::and_; 
using boost::move_detail::or_; 
using boost::move_detail::not_; 

} // namespace dtl
} // namespace container
} // namespace boost

#include <cstddef>

namespace boost {
namespace container {
namespace dtl {

} // namespace dtl
} // namespace container
} // namespace boost

#include <boost/container/detail/config_end.hpp>
using boost::move_detail::enable_if_and;
using boost::move_detail::disable_if_and;
using boost::move_detail::enable_if_or;
using boost::move_detail::disable_if_or;

template <class FirstType>
struct select1st
{
    typedef FirstType type;

    template<class T>
    const type& operator()(const T& x) const
    {  return x.first;   }

    template<class T>
    type& operator()(T& x)
    {  return const_cast<type&>(x.first);   }
};

template <class T, class=void>
struct is_transparent
{
    static const bool value = false;
};

template <class T>
struct is_transparent<T, typename T::is_transparent>
{
    static const bool value = true;
};

template <typename C, typename K, typename R>
struct enable_if_transparent
: boost::move_detail::enable_if_c<dtl::is_transparent<C>::value, R>
{};

}  //namespace dtl {
}  //namespace container {
}  //namespace boost {

#include <boost/container/detail/config_end.hpp>

#endif   //#ifndef BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP

/////////////////////////////////////////////////////////////////////////////
//
// (C) Copyright Ion Gaztanaga 2005-2016.
//
namespace boost { 
namespace interprocess { 
namespace ipcdetail { 

template <class T, T val> 
struct integral_constant 
{ 
    static const T value = val; 
    typedef integral_constant<T,val> type; 
}; 

template< bool C_ > 
struct bool_ : integral_constant<bool, C_> 
{ 
    static const bool value = C_; 
}; 

typedef bool_<true>       true_; 
typedef bool_<false>      false_; 

typedef true_  true_type; 
typedef false_ false_type; 

typedef char yes_type; 
struct no_type 
{ 
    char padding[8]; 
};
template <bool B, class T = void>
struct enable_if_c {
    typedef T type;
};

template <class T>
struct enable_if_c<false, T> {};

template <class Cond, class T = void>
struct enable_if : public enable_if_c<Cond::value, T> {};

template <class Cond, class T = void>
struct disable_if : public enable_if_c<!Cond::value, T> {};

template<
    bool C
 , typename T1
 , typename T2
>
struct if_c
{
    typedef T1 type;
};

template<
    typename T1
 , typename T2
>
struct if_c<false,T1,T2>
{
    typedef T2 type;
};

template<
    typename T1
 , typename T2
 , typename T3
>
struct if_
{
    typedef typename if_c<0 != T1::value, T2, T3>::type type;
};

template<std::size_t S>
struct ls_zeros
static const std::size_t value = (S & std::size_t(1)) ? 0 : (1u + ls_zeros<(S >> 1u)>::value);
};

template<>
struct ls_zeros<0>
{
    static const std::size_t value = 0;
};

template<>
struct ls_zeros<1>
{
    static const std::size_t value = 0;
};

} //namespace ipcdetail {
} //namespace interprocess {
} //namespace boost {

#endif   //#ifndef BOOST_INTERPROCESS_DETAIL_MPL_HPP

from subprocess import check_output as run
from datetime import datetime
from itertools import groupby
from operator import itemgetter
import re
import magic

def authors(filename):
    log = run(['git', 'log', '--follow',
               '--date=short', '--format=%aN%x09%ad', filename],
               universal_newlines=True)
    for line in log.splitlines():
        author, date = line.split('	')
        if author != 'fix-copyright.py':
            yield author, datetime.strptime(date, '%Y-%m-%d')

def new_copyright(filename, previous):
    def f():
        au = list(authors(filename))
        alldates = map(itemgetter(1), au)
        aup = sorted(au + map(lambda a: (a, None), previous), key=itemgetter(0))
        for author, records in groupby(aup, itemgetter(0)):
            dates = filter(None, map(itemgetter(1), records))
            if not dates: dates = alldates
            start = min(dates)
            end = max(dates)
fmt = '{0}' if start.year == end.year else '{0}-{1}'
line = 'Copyright ' + fmt.format(start.year, end.year) + ' ' + author
key = (start, author)
yield key, line
return map(itemgetter(1), sorted(f()))

def fix_copyright(filename):
    # Find copyright block in original file
    prefix = set()
    names = []
    lines = []
    with open(filename, 'r') as f:
        content = list(f)
        for i, line in enumerate(content[:15]):
            m = re.match(r'^\s*?copyright\s*(\(c\))\s*\d{4}((\s*\-\s*\d{4})?\s*\(\(c\)\))\s*\d{4}\s*\.\s*[^\s]+\s*$', line, re.IGNORECASE)
            if m:
                d = m.groupdict()
                prefix.add(d['prefix'])
                lines.append(i)
                names.append(d['name'].strip())
        if len(prefix) != 1:
            print 'Not found:', filename
            return
        prefix = list(prefix)[0]

    print filename
    new = iter(new_copyright(filename, names))
    with open(filename, 'w') as f:
        for i, line in enumerate(content):
            if i in lines:
                for repl in new:
                    print >>f, prefix + repl
            else:
                print >>f, line,
            pass

    def all_files():
        ls = run(['git', 'ls-files'], universal_newlines=True)
        for filename in ls.splitlines():
            if magic.from_file(filename, mime=True).split('/')[0] == 'text':
                yield filename

        for f in all_files():
            fix_copyright(f)

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Maybe this should pass?

```xml
<?xml version="1.0" encoding="utf-8"?>

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-->

<section id="date_time.license">
<title>Boost Date-Time Library License</title>
<bridgehead renderas="sect2">Boost Date-Time Library License</bridgehead>
<!---->

<!--
<ulink url="../../index.htm">
   <imagedata align="left"
      format="GIF"
      fileref="../../boost.png"
      alt="C++ Boost"/>
</ulink>--> 
<!--hr /-->

<para>
The following is the overall license for the boost date_time library. This notice is found in all source files related to the library.
</para>
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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@mitai.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/1 code. He and Dave Detlefs (detlefs@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks (agc@uts.atdahl.com) supplied the NetBSD and 386BSD ports. Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port. Brent Benson (brent@jade.ssd.cs.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.cs.psu.edu) supplied some of the code to save and print call stacks for leak detection on a SPARC. Jesse Hull and John Ellis supplied the C++ interface code. Zhong Shao performed much of the experimentation that led to the current typed allocation facility. (His dynamic type inference code hasn’t made it into the released version of the collector, yet.)

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Adapters for Boost.MPL containers.

Classes

- **boost::mpl::integral_c**
  
  Adapter for IntegralConstants from the Boost.MPL.
  
  [More...](https://boostext.github.io/group__group-ext.html#details)

- **boost::mpl::list**
  
  Adapter for Boost.MPL lists.
  
  [More...](https://boostext.github.io/group__group-ext.html#details)

- **boost::mpl::vector**
  
  Adapter for Boost.MPL vectors.
  
  [More...](https://boostext.github.io/group__group-ext.html#details)
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========

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```
#include <boost/mpl/fold.hpp>
#include <boost/mpl/push_back.hpp>
#include <boost/mpl/quote.hpp>
#include <boost/mpl/vector.hpp>

template <typename State, typename X>
struct f { using type = X; };

struct state { };

template <int i>
struct t { };

using vector = mpl_vector((1..input_size).to_a.map { [n] "t<#{n}>" }) %>
;

using result = boost::mpl::fold<vector, state, boost::mpl::quote2<f>>::type;

int main() { }

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---

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

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

/ *
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* *
*/
```
#include "licence_info.hpp"
#include "bcp_imp.hpp"
#include "fileview.hpp"
#include <fstream>
#include <iomanip>
#include <cstring>
#include <stdexcept>
#include <boost/lexical_cast.hpp>
#include <boost/filesystem/operations.hpp>
#include <boost/throw_exception.hpp>

// split_path is a small helper for outputting a path name,
// complete with a link to that path:

struct split_path
{
    const fs::path& root;
    const fs::path& file;
    split_path(const fs::path& r, const fs::path& f)
        : root(r), file(f){}
private:
    split_path& operator=(const split_path&);
};

std::ostream& operator << (std::ostream& os, const split_path& p)
{
    os << "<a href=" << (p.root / p.file).string() << ">" << p.file.string() << "</a>";
    return os;
}

std::string make_link_target(const std::string& s)
{
    // convert an arbitrary string into something suitable
    // for an <a> name:
    std::string result;
    for(unsigned i = 0; i < s.size(); ++i)
    {
        result.append(1, static_cast<std::string::value_type>(std::isalnum(s[i]) ? s[i] : '_'));
    }
    return result;
}

void bcp_implementation::output_license_info()
{
    std::pair<const license_info*, int> licenses = getlicenses();
std::map<int, license_data>::const_iterator i, j;
i = m_license_data.begin();
j = m_license_data.end();

std::ofstream os(m_dest_path.string().c_str());
if(!os)
{
    std::string msg("Error opening ");
    msg += m_dest_path.string();
    msg += " for output.");
    std::runtime_error e(msg);
    boost::throw_exception(e);
}

os <<
"<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN"\n"<html>
"<head>
"<title>Boost Licence Dependency Information"
if(m_module_list.size() == 1)
{
    os << " for " << *(m_module_list.begin());
}

os <<
"</title>
"</head>
"<body>
"<H1>Boost Licence Dependency Information"
if(m_module_list.size() == 1)
{
    os << " for " << *(m_module_list.begin());
}

os <<
"</H1>
"<H2>Contents</h2>
"<pre><a href="#input">Input Information</a>
if(!m_bsl_summary_mode)
    os << "<a href="#summary">Licence Summary</a>
    os << "<a href="#details">Licence Details</a>
while(i != j)
{
    // title:
    os << " <A href="/" << make_link_target(licenses.first[i->first].license_name)
        "">" << licenses.first[i->first].license_name << "/a">
    ++i;
}
os << "<a href="#files">Files with no recognised license</a><br/>
" << "<a href="#authors">Files with no recognised copyright holder</a><br/>
";  
if(!m_bsl_summary_mode)
{
    os << 
    "Moving to the Boost Software License...<br/>
" << "<a href="#bsl-converted">Files that can be automatically converted to the Boost Software License</a><br/>
" << "<a href="#to-bsl">Files that can be manually converted to the Boost Software License</a><br/>
" << "<a href="#not-to-bsl">Files that can <b>NOT</b> be moved to the Boost Software License</a><br/>
" << "<a href="#need-bsl-authors">Authors we need to move to the Boost Software License</a><br/>
" << "<a href="#copyright">Copyright Holder Information</a><br/>
";  
}

os << 
"<a href="#depend">File Dependency Information</a><br/>
";</n

//
// input Information:
//
// os << "<a name="input"></a><h2>Input Information</h2><br/>
;if(m_scan_mode)
    os << "<p>The following files were scanned for boost dependencies:<br/>
"; else
    os << "<p>The following Boost modules were checked:<br/>
";

std::list<std::string>::const_iterator si = m_module_list.begin();
std::list<std::string>::const_iterator sj = m_module_list.end();
while(si != sj)
{
    os << *si << "<br/>
";
    ++si;
}

os << "</p><p>The Boost path was: <code>" << m_boost_path.string() << "</code></p>
";

//
// extract the boost version number from the boost directory tree,
// not from this app (which may have been built from a previous
// version):
//
// fileview version_file(m_boost_path / "boost/version.hpp");
static const boost::regex version_regex;
    "^[[:blank:]]*#\[[:blank:]]*define\[[:blank:]]+BOOST_VERSION\[[:blank:]]+(\d+)$"; boost::cmatch what;
if(boost::regex_search(version_file.begin(), version_file.end(), what, version_regex))
{
    int version = boost::lexical_cast<int>(what.str(1));
    os << "<p>The Boost version is: " << version / 100000 << "." << version / 100 % 1000 << "." << version % 100 << "</p><br/>
"; }
// output each license:
//
// i = m_license_data.begin();
j = m_license_data.end();
if(!m_bsl_summary_mode)
{
// start with the summary:
//
os << "<a name="\summary"">\h2\nLicence Summary</h2>\n";
while(i ! = j)
{
    // title:
os <<
        "<H3>" << licenses.first[i->first].license_name << "</H3>\n";
    // license text:
os << "<BLOCKQUOTE>" << licenses.first[i->first].license_text << "</BLOCKQUOTE>";
    // Copyright holders:
os << "<P>This license is used by " << i->second.authors.size() << " authors and " << i->second.files.size() << " files <a href="#" make_link_target(licenses.first[i->first].license_name) >see details</a>";
os << "</P><BLOCKQUOTE>\n";
    ++i;
}
// and now the details:
//
i = m_license_data.begin();
j = m_license_data.end();
int license_index = 0;
os << "<a name="\details"">\h2\nLicence Details</h2>\n";
while(i ! = j)
{
    // title:
os <<
        "<H3><A name="" make_link_target(licenses.first[i->first].license_name)
            "">\a" << licenses.first[i->first].license_name << "</H3>\n";
    // license text:
os << "<BLOCKQUOTE>" << licenses.first[i->first].license_text << "</BLOCKQUOTE>";
    if(!m_bsl_summary_mode || (license_index >= 3))
    {
        // Copyright holders:
os << "<P>This license is used by the following " << i->second.authors.size() << " copyright holders:";
        std::set<std::string>::const_iterator x, y;
    }
}
x = i->second.authors.begin();
y = i->second.authors.end();
while(x != y)
{
    os << *x << "<BR><BR>
    ++x;
}
os << "</P></BLOCKQUOTE><\n"
// Files using this license:
os << "<P>This license applies to the following " << i->second.files.size() << " files:
<P><BLOCKQUOTE><P>
std::set<fs::path, path_less>::const_iterator m, n;
m = i->second.files.begin();
n = i->second.files.end();
while(m != n)
{
    os << split_path(m_boost_path, *m) << "<br><BR>
    ++m;
}
os << "</P></BLOCKQUOTE><\n"
} else
{
    os << "<P>This license is used by " << i->second.authors.size() << " authors (list omitted for brevity).<P><\n";
os << "<P>This license applies to " << i->second.files.size() << " files (list omitted for brevity).</P><\n";
}
++license_index;
++i;
}
//
// Output list of files not found to be under license control:
//
os << "<h2><a name="files"></a>Files With No Recognisable Licence</h2><\n"
"<p>The following " << m_unknown_licenses.size() << " files had no recognisable license
information:</P><BLOCKQUOTE><P>
std::set<fs::path, path_less>::const_iterator i2, j2;
i2 = m_unknown_licenses.begin();
j2 = m_unknown_licenses.end();
while(i2 != j2)
{
    os << split_path(m_boost_path, *i2) << "<br><BR>
    ++i2;
}
os << "</p></BLOCKQUOTE>";
//
// Output list of files with no found copyright holder:
//
os << "<h2><a name="authors"></a>Files With No Recognisable Copyright Holder</h2><\n"
"<p>The following " << m_unknown_authors.size() << " files had no recognisable copyright holder:</p>

```

<BLOCKQUOTE><p>
i2 = m_unknown_authors.begin();
j2 = m_unknown_authors.end();
while(i2 != j2)
{
    os << split_path(m_boost_path, *i2) << "<br>
    ++i2;
}
os << "</p></BLOCKQUOTE>";
```

if(!m_bsl_summary_mode)
{
    //
    // Output list of files that have been moved over to the Boost
    // Software License, along with enough information for human
    // verification.
    //
    os << "<h2><a name="bsl-converted"></a>Files that can be automatically converted to the Boost Software License</h2>\n"

    "<p>The following " << m_converted_to_bsl.size() << " files can be automatically converted to the Boost Software License, but require manual verification before they can be committed to CVS:</p>\n";

    if (!m_converted_to_bsl.empty())
    {
        typedef std::map<fs::path, std::pair<std::string, std::string>, path_less>
            ::const_iterator conv_iterator;
        conv_iterator i = m_converted_to_bsl.begin(),
            ie = m_converted_to_bsl.end();
        int file_num = 1;
        while (i != ie)
        {
            os << "<p>[" << file_num << "] File: <tt>" << split_path(m_boost_path, i->first)
                << "</tt>\n                <table border="1"\n                    <tr><td><pre>" << i->second.first << "</pre></td><td><pre>" << i->second.second << "</pre></td><tr></table>\n";
            ++i;
            ++file_num;
        }
    }
    //
    // Output list of files that could be moved over to the Boost Software License
    //
    os << "<h2><a name="to-bsl"></a>Files that could be converted to the Boost Software License</h2>\n"

    "<p>The following " << m_can_migrate_to_bsl.size() << " files could be manually converted to the Boost Software License, but have not yet been:</p>\n";

    i2 = m_can_migrate_to_bsl.begin();
j2 = m_can_migrate_to_bsl.end();
while(i2 != j2)
{
os << split_path(m_boost_path, *i2) << "<br>
";
++i2;
}
os << "</p></BLOCKQUOTE>
";

// Output list of files that can not be moved over to the Boost Software License
//
os << "<h2><a name="not-to-bsl"></a>Files that can NOT be converted to the Boost Software License</h2>
"<P>The following " << m_cannot_migrate_to_bsl.size() << " files cannot be converted to the Boost Software License because we need the permission of more authors:</p><BLOCKQUOTE><P>

i2 = m_cannot_migrate_to_bsl.begin();
j2 = m_cannot_migrate_to_bsl.end();
while(i2 != j2)
{
    os << split_path(m_boost_path, *i2) << "<br>
";
    ++i2;
}
os << "</p></BLOCKQUOTE>
";

// Output list of authors that we need permission for to move to the BSL
//
os << "<h2><a name="need-bsl-authors"></a>Authors we need for the BSL</h2>
"<P>Permission of the following authors is needed before we can convert to the Boost Software License. The list of authors that have given their permission is contained in <code>more/blanket-permission.txt</code>:</p><BLOCKQUOTE><P>

std::copy(m_authors_for_bsl_migration.begin(), m_authors_for_bsl_migration.end(),
    std::ostream_iterator<std::string>(os, "<br>
"));
os << "</p></BLOCKQUOTE>
";

// output a table of copyright information:
//
os << "<H2><a name="copyright"></a>Copyright Holder Information</H2><table border="1"|"|

std::map<std::string, std::set<fs::path, path_less> >::const_iterator ad, ead;
ad = m_author_data.begin();
ead = m_author_data.end();
while(ad != ead)
{
    os << "<tr><td>" << ad->first << "</td><td>
";
    std::set<fs::path, path_less>::const_iterator fi, efi;
    fi = ad->second.begin();
    efi = ad->second.end();
    while(fi != efi)
    {
        os << split_path(m_boost_path, *fi) << " ";
        ++fi;
    }
os << "</td></tr>
";
// output file dependency information:
//
// os << "\n";
}

// if in summary mode, just figure out the "bad" files and print those only:
std::set<fs::path, path_less> bad_paths;
if(m_bsl_summary_mode)
{
    bad_paths.insert(m_unknown_licenses.begin(), m_unknown_licenses.end());
    bad_paths.insert(m_unknown_authors.begin(), m_unknown_authors.end());
    bad_paths.insert(m_can_migrate_to_bsl.begin(), m_can_migrate_to_bsl.end());
    bad_paths.insert(m_cannot_migrate_to_bsl.begin(), m_cannot_migrate_to_bsl.end());
    typedef std::map<fs::path, std::pair<std::string, std::string>, path_less>
        ::const_iterator conv_iterator;
    conv_iterator i = m_converted_to_bsl.begin(),
        ie = m_converted_to_bsl.end();
    while(i != ie)
    {
        bad_paths.insert(i->first);
        ++i;
    }
    fi = bad_paths.begin();
    efi = bad_paths.end();
    os << "For brevity, only files not under the BSL are shown\n";
}
while(fi != efi)
{
    os << split_path(m_boost_path, *fi);
    dep = m_dependencies.find(*fi);
    last_dep = m_dependencies.end();
    std::set<fs::path, path_less> seen_deps;
    if (dep != last_dep)
    {
        while(true)
        {
            os << " -> ";
            if(fs::exists(m_boost_path / dep->second))
                os << split_path(m_boost_path, dep->second);
            else if(fs::exists(dep->second))
                os << split_path(fs::path(), dep->second);
            }
else
    os << dep->second.string();
if(seen_deps.find(dep->second) != seen_deps.end())
{
    os << " <I>(Circular dependency!)</I>");
    break; // circular dependency!!!
}
    seen_deps.insert(dep->second);
    last_dep = dep;
    dep = m_dependencies.find(dep->second);
if((dep == m_dependencies.end()) || (0 == compare_paths(dep->second, last_dep->second)))
    break;
}
    os << "\n";
    ++fi;
}
    os << "</pre></BLOCKQUOTE>\n";

    os << "</body></html>\n";

if(!os)
{
    std::string msg("Error writing to ");
    msg += m_dest_path.string();
    msg += ":
    std::runtime_error e(msg);
    boost::throw_exception(e);
}

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Boost.Geometry (aka GGL, Generic Geometry Library)

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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
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software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free
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(which use some of those functions and data) to form executables.

^[^1]
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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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Whether this is true is especially significant if the work can be
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If such an object file uses only numerical parameters, data
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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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Version 3, 29 June 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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*dns.c* - Recursive, Reentrant DNS Resolver.

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- 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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    xml-commons/java/external/xdocs/sax
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Last revised by Reagle $Date: 2005-06-03 18:49:13 -0400 (Fri, 03 Jun 2005) $
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Jackson is a high-performance, Free/Open Source JSON processing library.
It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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It is currently developed by a community of developers, as well as supported
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* org.eclipse.jetty.orbit:javax.mail.glassfish

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

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

Oracle OpenJDK

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* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications
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http://openjdk.java.net/legal/gplv2+ce.html

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

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org.apache.taglibs:taglibs-standard-impl

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

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

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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2.6.4  2.6.3  2009  PSF  yes
2.6.5  2.6.4  2010  PSF  yes
2.7   2.6  2010  PSF  yes

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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
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All Python releases are Open Source (see http://www.opensource.org for
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cap-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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@(#) SRCFile: certdata.txt,v $Revision: 1.80 $ $Date: 2011/11/03 15:11:58 $

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History
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1.2320 eclipse-core-commands 3.6.0

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1.2321 to-arraybuffer 1.0.1

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1.2323 react-fast-compare 2.0.4

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1.2324 babel-walk 3.0.0-canary-5

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1.2325 dfa 1.2.0

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1.2326 jetty-io 9.4.16.v20190411

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Eclipse

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

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

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

Oracle

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

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

Oracle OpenJDK

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

* java.sun.security.ssl

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

OW2

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

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

-----

Apache

The following artifacts are ASL2 licensed.

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

-----

MortBay

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

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

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

-----

Mortbay

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html
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1.2328 google-go-cmp v0.4.0
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1.2329 getpass 0.1.7

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1.2330 @webassemblyjs/helper-buffer 1.7.11

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1.2331 alsa-lib 1.2.1.2-r0

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```
# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=6
pkgdesc="A library for high-performance 2D graphics"
url="https://www.levien.com/libart/
arch="all"
options="!check"  # No test suite.
license="LGPL-2.0-or-later"
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2


builddir="$srcdir/libart_lgpl-$pkgver"

derecture() {
    update_config_sub
default_prepare
```
build() {
    ./configure
    --build=$CBUILD
    --host=$CHOST
    --prefix=/usr
    make
}

package() {
    make DESTDIR="$pkgdir" install
}

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e76654309e001ae9bace727b5b4c8589405256a3c020 libart LGPL-2.3.21.tar.bz2"
# Contributor: Fabian Affolter <fabian@affolter-engineering.ch>
# Maintainer: Fabian Affolter <fabian@affolter-engineering.ch>
pkgname=py3-flake8-copyright
  _pkgname=flake8-copyright
pkgver=0.2.2
pkgrel=1
pkgdesc="Extension for flake8 which checks for copyrights"
option="!check" # No testsuite
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="py3-flake8 py3-setuptools"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/$_pkgname/$_pkgname-$pkgver.tar.gz"
builddir="$srcdir"/$_pkgname-$pkgver
replaces="py-flake8-copyright" # Backwards compatibility
provides="py-flake8-copyright=$pkgver-r$pkgrel" # Backwards compatibility

build() {
    python3 setup.py build
}

package() {
    python3 setup.py install --prefix=/usr --root="$pkgdir"
}

sha512sums="8ade49f386e67d14e4b826946b947454cf2502ff249a9ab1d359f61fa42ebc2b17dd465708894cf82ffdf153f0be1bed746464220d30d9d4dc1b07940ec280f28 flake8-copyright-0.2.2.tar.gz" SQLite Copyright SQLite is in the Public Domain
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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"/"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="0950540df050fb7f7ce92f5ad1bf756725e233d701f0e5b2fc5bfa85dae65bba3400de7fd78b4b1d8a41de
ab4e461a5f1018f4869d9f3e0428a5a64c32c01c60  license-list-data-3.8.tar.gz"

mini_sendmail - accept email on behalf of real sendmail

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Protocol Buffers for Go with Gadgets

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

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1.2340 gson 2.8.2

1.2341 logstash-filter-csv 3.0.10

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1.2342 go-sentinel 1.1.0

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1.2343 postfix 2.10.1-9.el7

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hej

1.2345 byte-buddy-agent 1.9.12
1.2346 xfsprogs 4.5.0-22.el7

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You may add additional accurate notices of copyright ownership.

Exhibit B - "Incompatible With Secondary Licenses" Notice

This Source Code Form is "Incompatible With Secondary Licenses", as defined by the Mozilla Public License, v. 2.0.

---
layout: api
page_title: /sys/license - HTTP API
description: |
The `/sys/license` endpoint is used to view and update the license used in Vault.
---

# `/sys/license`
**Enterprise Only** These endpoints require Vault Enterprise.

The `/sys/license` endpoint is used to view and update the license used in Vault.

## Read License

~> This API is deprecated as of Vault 1.8 and will be removed in a future version of Vault. Please use [license autoloading](/docs/enterprise/license/autoloading) instead, and see [License Status](#license-status) below for the non-deprecated equivalent API.

This endpoint returns information about the currently installed license.

<table>
<thead>
<tr>
<th align="left">Method</th>
<th align="left">Path</th>
</tr>
</thead>
<tbody>
<tr>
<td align="left"><code>GET</code></td>
<td align="left"><code>/sys/license</code></td>
</tr>
</tbody>
</table>

### Sample Request

```shell-session
$ curl \
   --header "X-Vault-Token: ..." \
   http://127.0.0.1:8200/v1/sys/license
```

### Sample Response

```json
{
   "data": {
      "expiration_time": "2017-11-14T16:34:36.546753-05:00",
      "features": ["UI", "HSM", "Performance Replication", "DR Replication"],
      "license_id": "temporary",
      "start_time": "2017-11-14T16:04:36.546753-05:00"
   },
   "warnings": ["time left on license is 29m33s"]
}
```

## Read Signed License

~> This API is deprecated as of Vault 1.8 and will be removed in a future version of Vault. Please use [license autoloading](/docs/enterprise/license/autoloading) instead.

This endpoint returns the signed license blob for the currently installed license.

<table>
<thead>
<tr>
<th align="left">Method</th>
<th align="left">Path</th>
</tr>
</thead>
</table>
`GET` `/sys/license/signed` |

### Sample Request

```
$ curl \
   --header "X-Vault-Token: ..." \
   http://127.0.0.1:8200/v1/sys/license/signed
```

### Sample Response

```
{
  "data": {
    "signed": "01ABCDEFG...
  }
}
```

## Install License

~~> This API is deprecated as of Vault 1.8 and will be removed in a future version of Vault. Please use [license autoloading](/docs/enterprise/license/autoloading) instead.

This endpoint is used to install a license into Vault. The license will be replicated to the Vault instances within the targeted cluster, but will not replicate the license to a [performance replication](/docs/enterprise/replication) cluster. To license a performance replication cluster, this must be run against a Vault instance within that cluster.

<table>
<thead>
<tr>
<th align="left">Method</th>
<th align="left">Path</th>
</tr>
</thead>
<tbody>
<tr>
<td align="left">PUT</td>
<td align="left"><code>/sys/license</code></td>
</tr>
</tbody>
</table>

### Parameters

- `text` `(string: <required>)` - The text of the license.

_**DR Secondary Specific Parameters**_

- `dr_operation_token` `(string: <required>)` - DR operation token used to authorize this request.

Note that this is the legacy mechanism for providing a DR operation token. It is equally valid to provide the DR operation token in the `X-Vault-Token` header, as with a regular vault token.

### Sample Payload

```
```
### Sample Request

```shell-session
$ curl \
   --header "X-Vault-Token: ..." \
   --request PUT \
   --data @payload.json \
   http://127.0.0.1:8200/v1/sys/license
```

## Delete License

This API is deprecated as of Vault 1.8 and will be removed in a future version of Vault. Please use [license autoloading](/docs/enterprise/license/autoloading) instead.

This endpoint is used to delete a stored license in Vault. This will return an error unless license autoloading is in use.

<table>
<thead>
<tr>
<th align="left">Method</th>
<th align="left">Path</th>
</tr>
</thead>
<tbody>
<tr>
<td align="left"><code>DELETE</code></td>
<td align="left"><code>/sys/license</code></td>
</tr>
</tbody>
</table>

### Sample Request

```shell-session
$ curl \
   --header "X-Vault-Token: ..." \
   --request DELETE \
   http://127.0.0.1:8200/v1/sys/license
```

## License Status

This endpoint returns information about licensing. It returns similar information to a GET of `sys/license`, but whereas that endpoint reports solely on the license Vault is currently using, this one reports on all licensing information the Vault cluster has. See [license autoloading](/docs/enterprise/license/autoloading) for background.

In the response:
* `autoloading_used` will be true if an autoloaded license was provided to the node, false otherwise.
* `autoloaded` is the autoloaded license if autoloading_used is true.
* `persisted_autoload` is the autoloaded license the active node last wrote to storage; this is only used to detect inconsistently licensed nodes in the cluster. It cannot be used as a license itself.
* `stored` is the stored license if any, i.e. one written using `PUT sys/license`.

`autoloaded`, `persisted_autoload`, and `stored` all have the same structure, which is also the same structure as the top-level `data` returned by `GET sys/license`.

<table>
<thead>
<tr>
<th align="left">Method</th>
<th align="left">Path</th>
</tr>
</thead>
<tbody>
<tr>
<td align="left">:-----</td>
<td align="left">:-------------</td>
</tr>
<tr>
<td align="left"><code>GET</code></td>
<td align="left"><code>/sys/license/status</code></td>
</tr>
</tbody>
</table>

### Sample Request

```shell-session
$ curl \
   --header "X-Vault-Token: ..." \
   http://127.0.0.1:8200/v1/sys/license/status 
```

### Sample Response

```json
{
   "data": {
      "autoloading_used": true,
      "autoloaded": {
         "expiration_time": "2022-05-17T23:59:59.999Z",
         "features": [
            "HSM",
            "Performance Replication",
            "DR Replication",
            "MFA",
            "Sentinel",
            "Seal Wrapping",
            "Control Groups",
            "Performance Standby",
            "Namespaces",
            "KMIP",
            "Entropy Augmentation",
            "Transform Secrets Engine",
            "Lease Count Quotas",
            "Key Management Secrets Engine",
            "Automated Snapshots"
         ],
         "license_id": "060d7820-fa59-f95c-832b-395db0aeb9ba",
         "performance_standby_count": 9999,
```
The "license" command groups subcommands for interacting with Vault licenses.

For more information, please see the [license documentation](/docs/enterprise/license)
## Examples

Query current license in use by a node:

```
```shell-session
$ vault license get
Key                          Value
---                          -----
expiration_time              2022-05-17T23:59:59.999Z
features                     [HSM Performance Replication DR Replication MFA Sentinel Seal Wrapping Control Groups
Performance Standby Namespaces KMIP Entropy Augmentation Transform Secrets Engine Lease Count Quotas
Key Management Secrets Engine Automated Snapshots]
license_id                   060d7820-fa59-f95c-832b-395db0aeb9ba
performance_standby_count   9999
start_time                   2021-05-17T00:00:00Z
```

Query signed license string (only when using a deprecated stored license)

```
```shell-session
$ vault license get -signed
02MV4UU43BK5H...
```

Inspect a signed a license string:

```
```shell-session
$ vault license inspect ~/vaults/license
Source: /Users/ncc/vaults/license
Product: vault
License ID: 060d7820-fa59-f95c-832b-395db0aeb9ba
Customer ID: 5401ae3b-136b-3e47-3b43-432927fa03e7
Installation ID: *
Issue Time: 2021-05-17 19:33:47.93981585 +0000 UTC
Start Time: 2021-05-17 00:00:00 +0000 UTC
Expiration Time: 2022-05-17 23:59:59.999 +0000 UTC
{"license_id":"060d7820-fa59-f95c-832b-395db0aeb9ba","customer_id":"5401ae3b-136b-3e47-3b43-432927fa03e7","installation_id":","issue_time":"2021-05-17T19:33:47.93981585Z","start_time":"2021-05-17T00:00:00Z","expiration_time":"2022-05-17T23:59:59.999Z","flags":{"modules":"["multi-dc-scale","governance-policy","advanced-data-protection"]","features":"["HSM","Performance Replication","DR Replication","MFA","Sentinel","Seal Wrapping","Control Groups","Performance Standby","Namespaces","KMIP","Entropy Augmentation","Transform Secrets Engine","Lease Count Quotas","Key Management Secrets Engine","Automated Snapshots"],"performance_standby_count":9999]"
License is valid
```
## Usage

```text
Usage: vault license <subcommand> [options] [args]
```

Subcommands:
- `get` Query Vault's license
- `inspect` View the contents of a license string

For more information, examples, and usage about a subcommand, click on the name of the subcommand in the sidebar.

---

# Vault License

Licenses and EULA enhancements have been introduced in Vault 1.8 release. Please refer to the [FAQ](/docs/enterprise/license/faq) for common questions concerning these changes.

The [Install a HashiCorp Enterprise License](https://learn.hashicorp.com/tutorials/nomad/hashicorp-enterprise-license?in=vault/enterprise) tutorial provides the instruction to load your Vault license.

---

# license inspect

The `license inspect` command describes the contents of a signed license string.

## Examples

Describe license in the environment (either `VAULT_LICENSE` for a raw value or `VAULT_LICENSE_PATH` for the path to a file containing the value):

```shell-session
$ vault license inspect
Source: /Users/ncc/vaults/license
Product: vault
```
License ID: 060d7820-fa59-f95c-832b-395db0ae9ba
Customer ID: 5401ae3b-136b-3e47-3b43-432927fa03e7
Installation ID: *
Issue Time: 2021-05-17 19:33:47.93981585 +0000 UTC
Start Time: 2021-05-17 00:00:00 +0000 UTC
Expiration Time: 2022-05-17 23:59:59.999 +0000 UTC
{"license_id":"060d7820-fa59-f95c-832b-395db0ae9ba","customer_id":"5401ae3b-136b-3e47-3b43-432927fa03e7","installation_id":"","issue_time":"2021-05-17T19:33:47.93981585Z","start_time":"2021-05-17T00:00:00Z","expiration_time":"2022-05-17T23:59:59.999Z","flags":{"modules':["multi-dc-scale","governance-policy","advanced-data-protection"]},"features":["HSM","Performance Replication","DR Replication","MFA","Sentinel","Seal Wrapping","Control Groups","Performance Standby","Namespaces","KMIP","Entropy Augmentation","Transform Secrets Engine","Lease Count Quotas","Key Management Secrets Engine","Automated Snapshots"],"performance_standby_count":9999}

License is valid
```
Describe license at given path:
```
```
$ vault license inspect ~/vaults/license
Source: /Users/ncc/vaults/license
Product: vault
License ID: 060d7820-fa59-f95c-832b-395db0ae9ba
Customer ID: 5401ae3b-136b-3e47-3b43-432927fa03e7
Installation ID: *
Issue Time: 2021-05-17 19:33:47.93981585 +0000 UTC
Start Time: 2021-05-17 00:00:00 +0000 UTC
Expiration Time: 2022-05-17 23:59:59.999 +0000 UTC
{"license_id":"060d7820-fa59-f95c-832b-395db0ae9ba","customer_id":"5401ae3b-136b-3e47-3b43-432927fa03e7","installation_id":"","issue_time":"2021-05-17T19:33:47.93981585Z","start_time":"2021-05-17T00:00:00Z","expiration_time":"2022-05-17T23:59:59.999Z","flags":{"modules':["multi-dc-scale","governance-policy","advanced-data-protection"]},"features":["HSM","Performance Replication","DR Replication","MFA","Sentinel","Seal Wrapping","Control Groups","Performance Standby","Namespaces","KMIP","Entropy Augmentation","Transform Secrets Engine","Lease Count Quotas","Key Management Secrets Engine","Automated Snapshots"],"performance_standby_count":9999}

License is valid
```

## Usage

The following flags are available in addition to the [standard set of flags](/docs/commands) included on all commands.

### Command Options

- `-installation-id` `(string: "")` - Installation ID to validate the license against

---

Open Source Used In MSX Platform Infrastructure 4.1.0 18571
# Frequently Asked Questions (FAQ)

This FAQ section is for the license changes introduced in Vault Enterprise 1.8.

- [Q: When will these licensing changes be released for Vault?](#q-when-will-these-licensing-changes-be-released-for-vault)
  - [Q: Will these license changes impact HCP Vault?](#q-will-these-license-changes-impact-hcp-vault)
  - [Q: Do these license changes impact all Vault customers/licenses?](#q-do-these-license-changes-impact-all-vault-customers-licenses)
  - [Q: What is the product behavior change introduced by the licensing changes?](#q-what-is-the-product-behavior-change-introduced-by-the-licensing-changes)
  - [Q: How will Vault behave at startup when a license expires or terminates?](#q-how-will-vault-behave-at-startup-when-a-license-expires-or-terminates)
  - [Q: What is the impact on evaluation licenses due to this change?](#q-what-is-the-impact-on-evaluation-licenses-due-to-this-change)
  - [Q: Are there any changes to existing methods for manual license loading (API or CLI)?](#q-are-there-any-changes-to-existing-methods-for-manual-license-loading-api-or-cli)
  - [Q: Is there a grace period when evaluation licenses expire?](#q-is-there-a-grace-period-when-evaluation-licenses-expire)
  - [Q: Does this affect clients?](#q-does-this-affect-clients)
  - [Q: Are the license files locked to a specific cluster?](#q-are-the-license-files-locked-to-a-specific-cluster)
  - [Q: Will a EULA check happen every time a Vault restarts?](#q-will-a-eula-check-happen-every-time-a-vault-restarts)
  - [Q: What scenarios should a customer plan for due to these license changes?](#q-what-scenarios-should-a-customer-plan-for-due-to-these-license-changes)
  - [Q: What is the migration path for customers who want to migrate from their existing license as-applied-via-the-CLI flow to the license on disk flow?](#q-what-is-the-migration-path-for-customers-who-want-to-migrate-from-their-existing-license-as-applied-via-the-cli-flow-to-the-license-on-disk-flow)
  - [Q: What is the migration path for customers who wish to migrate from their existing perpetually licensed binaries to the license on disk flow (auto-loading)?](#q-what-is-the-migration-path-for-customers-who-wish-to-migrate-from-their-existing-perpetually-licensed-binaries-to-the-license-on-disk-flow-auto-loading)
  - [Q: What is the migration path for customers who want to migrate from their existing perpetually licensed binaries to the current license on storage flow?](#q-what-is-the-migration-path-for-customers-who-want-to-migrate-from-their-existing-perpetually-licensed-binaries-to-the-current-license-on-storage-flow)
  - [Q: What is the path for customers who want to downgrade/rollback from Vault 1.8 or later (auto-loading) to a pre-Vault 1.8 (license in storage)?](#q-what-is-the-path-for-customers-who-want-to-downgrade-rollback-from-vault-1-8-or-later-auto-loading-to-a-pre-vault-1-8-license-in-storage)
  - [Q: Is there a limited time for support of licenses that are in storage?](#q-is-there-a-limited-time-for-support-of-licenses-that-are-in-storage)

### Q: When will these licensing changes be released for Vault?
The licensing and end-user license agreement (EULA) changes will be available with Vault 1.8-RC1 on June 16, 2021. Vault 1.8 is targeted to release on July 28, 2021.

### Q: Will these license changes impact HCP Vault?

No, these changes will not impact HCP Vault.

### Q: Do these license changes impact all Vault customers/licenses?

<table>
<thead>
<tr>
<th>Customer/licenses</th>
<th>Impacted?</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENT binaries (evaluation or non-evaluation downloaded from <a href="https://releases.hashicorp.com/vault/">releases.hashicorp.com</a>)</td>
<td>Yes</td>
</tr>
<tr>
<td>Open-Source (OSS)</td>
<td>No</td>
</tr>
<tr>
<td>Baked-in license binaries (pro/premium)</td>
<td>No</td>
</tr>
</tbody>
</table>

### Q: What is the product behavior change introduced by the licensing changes?

With Vault 1.8, a valid license is required on-disk (auto-loading) or in-storage for Vault to boot up successfully.

- Existing clusters upgrading to Vault 1.8 or later will not be affected. Customers may continue to use an in-storage license for their existing clusters until they decide to move to auto-loading. Please see the question below: [Is there a limited time for support of licenses that are in storage?](#q-is-there-a-limited-time-for-support-of-licenses-that-are-in-storage)

- When deploying Vault 1.8 or later clusters, please ensure a valid license exists on-disk (auto-loading).

### Q: How will Vault behave at startup when a license expires or terminates?

When a license expires, Vault continues to function until the license terminates. This behavior exists today and remains unchanged in Vault 1.8. The grace period, defined as the time between license expiration and license termination, is 1 day for evaluation licenses (as of 1.8), and ten years for non-evaluation licenses. Customers must install a valid license before the grace period expires. This license can be autoloaded or loaded into storage using existing methods (`/sys/license`) depending on the applicable scenarios as described above. When license terminates (upon grace period expiry), Vault will seal itself and customers will need a valid license in order to successfully bring-up Vault. If a valid license was not installed after license expiry, customers will need to install one, and this license will need to be auto-loaded.

### Q: What is the impact on evaluation licenses due to this change?

The 6-hour trial period for Enterprise binaries allows these particular binaries to run without a license file and will be removed as of Vault 1.8 and later. This change means that any clusters deployed with Vault 1.8 or later ENT binaries must have a valid license, and the license must be on the disk (auto-loading).

### Q: Are there any changes to existing methods for manual license loading (API or CLI)?

There are no significant changes to the API or CLI license loading with Vault 1.8. However, the `/sys/license` endpoint is slated for deprecation in a future release.
Please see the question: [Is there a limited time for support of licenses that are in storage?](#q-is-there-a-limited-time-for-support-of-licenses-that-are-in-storage)

### Q: Is there a grace period when evaluation licenses expire?

Evaluation licenses have a 1-day grace period. The grace period is the time until the license expires. Upon expiration, Vault will seal and will require a valid license to unseal and function properly.

### Q: Does this affect clients?

No, there is no impact to the Vault Agent.

### Q: Are the license files locked to a specific cluster?

The changes to licenses apply to all nodes in a cluster. The license files are not locked to a cluster, but are independently applied to the appropriate clusters.

### Q: Will a EULA check happen every time a Vault restarts?

Yes, starting with Vault 1.8, ENT binaries will be subjected to a EULA check. The release of Vault 1.8 introduces the EULA check for evaluation licenses (non-evaluation licenses are evaluated with a EULA check during contractual agreement). Although the agreement to a EULA occurs only once (when the user receives their license), Vault will check for the presence of a valid license every time a node is restarted.

When a customer upgrades existing clusters to Vault 1.8 or later, a valid license must exist to upgrade successfully. This valid license must be in storage or on-disk (auto-loaded). Please see the below question: [Is there a limited time for support of licenses that are in storage?](#q-is-there-a-limited-time-for-support-of-licenses-that-are-in-storage)

Also, when customers deploy new clusters to Vault 1.8 or later, a valid license must exist to upgrade successfully. This valid license must be on-disk (auto-loaded).

### Q: What scenarios should a customer plan for due to these license changes?

- **New Cluster Deployment**: When a customer deploys new clusters to Vault 1.8 or later, a valid license must exist to successfully deploy. This valid license must be on-disk (auto-loaded).

- **Eventual Migration**: Since in-storage licenses will not be supported forever, migrating to auto-loaded licenses will be required. Please see the below question: [Is there a limited time for support of licenses that are in storage?](#q-is-there-a-limited-time-for-support-of-licenses-that-are-in-storage)

### Q: What is the migration path for customers who want to migrate from their existing license-as-applied-via-the-CLI flow to the license on disk flow?

If a Vault 1.7 cluster is upgraded to Vault 1.8 or later and still has a stored license, the operator must migrate using an auto-loaded license.

1. Use the new command `vault license get -signed` to retrieve the license from the storage in their running cluster.
2. Put the license on disk, configure auto-loading (new `license_path` config option, OR new environment variable `VAULT_LICENSE_PATH` OR new environment variable `VAULT_LICENSE` containing the actual license itself).
3. Restart the Vault node.
4. A warning will explain that the license is in storage and using auto-loading.
5. Use the new command `vault delete /sys/license` to fully transition to auto-loading.

### Q: What is the migration path for customers who wish to migrate from their existing perpetually licensed binaries to the license on disk flow (auto-loading)?

A Vault customer who is currently using S3 unlocked binaries, upgrading their clusters to Vault 1.8 or later, and wishes to move to auto-loading, will need a valid enterprise binary version 1.8 or later and a valid license. The steps are the same as in the above question: [What is the migration path for customers who want to migrate from their existing license-as-applied-via-the-CLI flow to the license on disk flow?](#q-what-is-the-migration-path-for-customers-who-want-to-migrate-from-their-existing-license-as-applied-via-the-cli-flow-to-the-license-on-disk-flow) starting at Step 2.

### Q: What is the migration path for customers who want to migrate from their existing perpetually licensed binaries to the current license on storage flow?

A Vault customer currently using S3 unlocked binaries is upgrading their clusters to a pre-Vault 1.8 version, the customer must retrieve the corresponding enterprise binary and a valid license to load the license in storage (`/sys/license`). Please see the below question: [Is there a limited time for support of licenses that are in storage?](#q-is-there-a-limited-time-for-support-of-licenses-that-are-in-storage)

### Q: What is the path for customers who want to downgrade/rollback from Vault 1.8 or later (auto-loading) to a pre-Vault 1.8 (license in storage)?

The downgrade procedure remains the same for Vault customers who are currently on Vault 1.8 or later, have a license installed via auto-loading, and would like to downgrade their cluster to a pre-1.8 version that does not have auto-loading support and only supports license in storage. Please refer to the [upgrade procedures](https://learn.hashicorp.com/tutorials/vault/sop-upgrade?in=vault/standard-procedures) that remind the customers that they must take a snapshot before the upgrade. Customers will need to restore their version from the snapshot, apply the pre-1.8 enterprise binary version they wish to roll back, and bring up the clusters.

### Q: Is there a limited time for support of licenses that are in storage?

The support of licenses installed by alternative means often leads to difficulties providing the appropriate support. To provide the support expected by our customers, we plan to scale support for licenses in storage for Vault. With this plan, Vault customers have up to a 1-year migration period, or until the release of Vault 1.11, to migrate their licenses from in-storage to auto-loading. Starting with Vault 1.11, licensing endpoints that are put in storage will be removed, and Vault will no longer check for valid licenses in storage. This change requires that all customers have auto-loaded licenses to upgrade to 1.11(+) successfully.
<section class="box is-sideless is-marginless is-shadowless is-fullwidth">
  <span class="title is-5">Details</span>
  <div class="field box is-fullwidth is-shadowless is-paddingless is-marginless">
    <InfoTableRow @label="License ID" @value={{@licenseId}} @data-test-detail-row={{true}} />
    <InfoTableRow @label="Valid from" @value={{@startTime}} @data-test-detail-row={{true}}>
      {{date-format @startTime 'MMM dd, yyyy hh:mm:ss a'}} to {{date-format @expirationTime 'MMM dd, yyyy hh:mm:ss a'}}
    </InfoTableRow>
    <InfoTableRow @label="License state" @value={{if @autoloaded "Autoloaded" "Stored"}} @data-test-detail-row={{true}}>
      {{#if @autoloaded}}
        Autoloaded
      {{else}}
        Stored
        <span class="is-size-8">Stored licenses will be deprecated in a future version of Vault. We recommend autoloading your license. Read more at https://www.vaultproject.io/docs/enterprise/license</span>
      {{/if}}
    </InfoTableRow>
  </div>
</section>

<section class="box is-sideless is-marginless is-shadowless is-fullwidth">
  <span class="title is-5">Features</span>
  <div class="field box is-fullwidth is-shadowless is-paddingless is-marginless">
    {{#each this.featuresInfo as |info|}}
      <InfoTableRow @label={{info.name}} @value={{if info.active "Active" "Not Active"}} @data-test-feature-row="data-test-feature-row">
        {{#if info.active}}
          <Icon @glyph="check-circle-outline" @size="l" class="icon-true" aria-hidden="true" />
          <span data-test-feature-status>Active {{#if info.count}}&mdash;{{info.count}} standby nodes allotted{{/if}}</span>
        {{else}}
          <Icon @glyph="cancel-circle-outline" @size="l" class="icon-false" aria-hidden="true" />
          <span data-test-feature-status>Not Active</span>
        {{/if}}
      </InfoTableRow>
    {{/each}}
  </div>
</section>
Prior to Vault 1.8, Vault Enterprise would be licensed using special binaries that contained embedded licenses, or via a license written into Vault storage using the [PUT sys/license API](/api/system/license#install-license).

As of Vault 1.8 those options still exist but are deprecated, and the recommended mechanism for managing licenses is called License Autoloading. New clusters are required to use the autoloading method.

License Autoloading can be done using one of these mechanisms, in increasing order of priority (i.e. `VAULT_LICENSE` takes precedence over `VAULT_LICENSE_PATH`, which takes precedence over `license_path` in config.)

* [license_path in config](/docs/configuration#license_path)
* [VAULT_LICENSE_PATH environment variable](/docs/commands#vault_license_path)
* [VAULT_LICENSE environment variable](/docs/commands#vault_license)

Nodes within a cluster should be consistently licensed. All nodes in a cluster should use autoloading, or none should. If autoloading is used, all nodes should use the same license string. Warnings will be written to the log when there are discrepancies.

If autoloading is used, any existing stored license will be ignored. The presence of a stored license in conjunction with an autoloading license will also result in logged warnings. Once a migration to autoloading is completed, it is recommended to use the [DELETE API](/api/system/license#delete-license) to remove the stored license.

```html
{{#if this.licenseExpired}}
<div class="license-banner-wrapper" data-test-license-banner data-test-license-banner-expired>
  <AlertBanner
    @type="danger"
    @title="License expired"
    @message="Your Vault license expired on {{date-format @expiry "MMM d, yyyy" }}. Add a new license to your configuration and restart Vault."
    @marginless={{true}}
  >
    <a href="https://learn.hashicorp.com/tutorials/nomad/hashicorp-enterprise-license" target="_blank" rel="noreferrer noopener">Read documentation</a>
  </AlertBanner>
</div>
{{else if (lte this.licenseExpiringInDays 30)}}
<div class="license-banner-wrapper" data-test-license-banner data-test-license-banner-warning>
  <AlertBanner
    @type="warning"
    @title="License expires in 30 days"
    @message="Your Vault license expires in {{this.licenseExpiringInDays}} days. Add a new license to your configuration and restart Vault."
    @marginless={{true}}
  >
    <a href="https://learn.hashicorp.com/tutorials/nomad/hashicorp-enterprise-license" target="_blank" rel="noreferrer noopener">Read documentation</a>
  </AlertBanner>
</div>
{{/if}}
```
# license get

The `license get` command reports on the license in use. With the `-signed` flag, it will return the actual license string, but only if the license is stored, as opposed to [autoloading](/docs/enterprise/license/autoloading).

## Examples

Describe current license:

```shell-session
$ vault license get
Key                          Value
```

---

## Features

A bitmask of feature flags

```go
package license

// Features is a bitmask of feature flags
type Features uint

const FeatureNone Features = 0

func (f Features) HasFeature(flag Features) bool {
    return false
}
```

---

@type="warning"
@title="Vault license expiring"
@message="Your Vault license will expire in {{this.licenseExpiringInDays}} days at {{date-format @expiry "hh:mm:ss a"}} on {{date-format @expiry "MMM d, yyyy"}}. {{if @autoloaded 'Add a new license to your configuration.' 'Keep in mind that your next license will need to be autoloaded'}}"
@marginless={true}

<a href="https://learn.hashicorp.com/tutorials/nomad/hashicorp-enterprise-license" target="_blank" rel="noreferrer noopener">Read documentation</a>
```shell-session
$ vault license get -signed
02MV4UU43BK5H...
```

Try to get stored license string when using autoloading:

```shell-session
$ vault license get -signed
License not found or using a temporary license.
```

## Usage

The following flags are available in addition to the [standard set of flags](/docs/commands) included on all commands.

### Command Options

- `-signed` `(bool: false)` - Return the signed license string when using a stored license.

1.2355 Elasticsearch-scripting-painless-spi

6.8.16

1.2355.1 Available under license:

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// Original can be found at:
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//   https://github.com/inexorabletash/polyfill

// ES3/ES5 implementation of the Khronos Typed Array Specification
// Ref: http://www.khronos.org/registry/typedarray/specs/latest/
// Date: 2011-02-01
//
// Variations:
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1.2359 activation 1.1.1

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  psl-make-dafsa and lookup_string_in_fixed_set.c.

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1.2361 go-difflib v1.0.0

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<div
...attributes
class="consul-intention-permission-form"
>
<FormGroup
@name={{name}}
as [group]>

{{yield (hash
submit=(action 'submit' changeset)
reset=(action 'reset' changeset)}}
isDirty=(and changeset.isValid)
changeset=changeset
})

<fieldset>
  <div data-property="action">
    <span class="label">
      Should this permission allow the source connect to the destination?
    </span>
    <div role="radiogroup" class={{if changeset.error.Action ' has-error'}}>
      {{#each intents as |intent|}}
        <label>
          <span>{{capitalize intent}}</span>
          <input type="radio" name="Action" value={{intent}} checked={{if (eq changeset.Action intent) 'checked'}} onchange={{action (changeset-set changeset 'Action') value="target.value"}}/>
        </label>
      {{/each}}
    </div>
  </div>
</fieldset>

<fieldset>
  <header>
    <h2>Path</h2>
  </header>
  <div>
    <group.Element
      @name="PathType"
      @type="select"
      as |el|>
      <el.Label>
        Path type
      </el.Label>
      <PowerSelect
        @options={{pathTypes}}
        @selected={{pathType}}
        @onChange={{action 'change' 'HTTP.PathType' changeset}} as |Type|>
        {{get pathLabels Type}}
      </PowerSelect>
    </group.Element>

    {{#if shouldShowPathField}}
      <group.Element>

      </group.Element>
    {{/if shouldShowPathField}}
  </div>
</fieldset>
name="method"
value={{method}}
checked={{if (contains method changeset.HTTP.Methods) 'checked'}}
onchange={{action 'change' 'method' changeset}}

</span>
</label>
</div>
</fieldset>

<h2>Headers</h2>

<br>
</FormGroup>
</div>
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---

layout: api
page_title: License - Operator - HTTP API
description: |

The /operator/license endpoints allow for setting and retrieving the Consul Enterprise License.

---

# License - Operator HTTP API

<EnterpriseAlert />

The licensing functionality described here is available only in [Consul Enterprise](https://www.hashicorp.com/products/consul/) version 1.1.0 and later.

## Getting the Consul License

This endpoint gets information about the current license.

<table>
<thead>
<tr>
<th>Method</th>
<th>Path</th>
<th>Produces</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>GET</code></td>
<td><code>/operator/license</code></td>
<td><code>application/json</code></td>
</tr>
</tbody>
</table>

The table below shows this endpoint's support for blocking queries[/api/features/blocking), consistency modes[/api/features/consistency), agent caching[/api/features/caching), and required ACLs[/api#authentication).
<table>
<thead>
<tr>
<th>Blocking Queries</th>
<th>Consistency Modes</th>
<th>Agent Caching</th>
<th>ACL Required</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>NO</code></td>
<td><code>all</code></td>
<td><code>none</code></td>
<td><code>none</code></td>
</tr>
</tbody>
</table>

### Parameters
- `dc` (string: `""`) - Specifies the datacenter whose license should be retrieved. This will default to the datacenter of the agent serving the HTTP request. This is specified as a URL query parameter.

### Sample Request
```
$ curl \
    http://127.0.0.1:8500/v1/operator/license
```

### Sample Response
```
```
```json
{
  "Valid": true,
  "License": {
    "license_id": "2afbf681-0d1a-0649-cb6c-333ec9f0989c",
    "customer_id": "0259271d-8ffc-e85e-0830-c0822c1f5f2b",
    "installation_id": "*",
    "issue_time": "2018-05-21T20:03:35.911567355Z",
    "start_time": "2018-05-21T04:00:00Z",
    "expiration_time": "2019-05-22T03:59:59.999Z",
    "product": "consul",
    "flags": {
      "package": "premium"
    },
    "features": [
      "Automated Backups",
      "Automated Upgrades",
      "Enhanced Read Scalability",
      "Network Segments",
      "Redundancy Zone",
      "Advanced Network Federation"
    ],
    "temporary": false
  }
}
```
## Updating the Consul License

This endpoint updates the Consul license and returns some of the license contents as well as any warning messages regarding its validity.

<table>
<thead>
<tr>
<th>Method</th>
<th>Path</th>
<th>Produces</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>PUT</code></td>
<td><code>/operator/license</code></td>
<td><code>application/json</code></td>
</tr>
</tbody>
</table>

The table below shows this endpoint's support for
[blocking queries](/api/features/blocking),
[consistency modes](/api/features/consistency),
[agent caching](/api/features/caching), and
[required ACLs](/api#authentication).

<table>
<thead>
<tr>
<th>Blocking Queries</th>
<th>Consistency Modes</th>
<th>Agent Caching</th>
<th>ACL Required</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>NO</code></td>
<td><code>none</code></td>
<td><code>none</code></td>
<td><code>operator:write</code></td>
</tr>
</tbody>
</table>

### Parameters

- `dc` `(string: "")` - Specifies the datacenter whose license should be updated. This will default to the datacenter of the agent serving the HTTP request. This is specified as a URL query parameter.

### Sample Payload

The payload is the raw license blob.

### Sample Request

```shell-session
$ curl
      --request PUT
      --data @consul.license
      http://127.0.0.1:8500/v1/operator/license
```

### Sample Response

```json
{
"Valid": true,
"License": {
  "license_id": "2afbf681-0d1a-0649-cb6c-333ec9f0989c",
  "customer_id": "0259271d-8ffc-e85e-0830-c0822c1f5f2b",
  "installation_id": "*",
  "issue_time": "2018-05-21T20:03:35.911567355Z",
```
## Resetting the Consul License

This endpoint resets the Consul license to the license included in the Enterprise binary. If the included license is not valid, the replace will fail.

<table>
<thead>
<tr>
<th>Method</th>
<th>Path</th>
<th>Produces</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>DELETE</code></td>
<td><code>/operator/license</code></td>
<td><code>application/json</code></td>
</tr>
</tbody>
</table>

The table below shows this endpoint's support for [blocking queries](/api/features/blocking), [consistency modes](/api/features/consistency), [agent caching](/api/features/caching), and [required ACLs](/api#authentication).

<table>
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<tr>
<th>Blocking Queries</th>
<th>Consistency Modes</th>
<th>Agent Caching</th>
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</tr>
</thead>
<tbody>
<tr>
<td><code>NO</code></td>
<td><code>none</code></td>
<td><code>none</code></td>
<td><code>operator:write</code></td>
</tr>
</tbody>
</table>

### Parameters

- `dc` *(string: "")* - Specifies the datacenter whose license should be updated. This will default to the datacenter of the agent serving the HTTP request. This is specified as a URL query parameter.

### Sample Request

```shell-session
```
$ curl \
   --request DELETE \
   http://127.0.0.1:8500/v1/operator/license
```
### Sample Response
```
```json
{
   "Valid": true,
   "License": {
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import { Meta, Story, Canvas } from '@storybook/addon-docs/blocks';
import { hbs } from 'ember-cli-htmlbars';

<Meta title="Components/Notice" component="Notice" />

# Notice

<Canvas>
<Story name="Basic"
    argTypes={
        type: {
            defaultValue: 'success',
            control: {
                type: 'select',
                options: [
                    'success',
                    'warning',
                    'info',
                    'highlight',
                ]
            }
        }
    }
    >{(args) => ({
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import ( 
type License struct {
    // The unique identifier of the license
    LicenseID string `json:"license_id"

    // The customer ID associated with the license
    CustomerID string `json:"customer_id"

    // If set, an identifier that should be used to lock the license to a
    // particular site, cluster, etc.
    InstallationID string `json:"installation_id"

    // The time at which the license was issued
    IssueTime time.Time `json:"issue_time"

    // The time at which the license starts being valid
    StartTime time.Time `json:"start_time"

    // The time after which the license expires
    ExpirationTime time.Time `json:"expiration_time"

    // The time at which the license ceases to function and can
    // no longer be used in any capacity
    TerminationTime time.Time `json:"termination_time"

    // The product the license is valid for
    Product string `json:"product"

    // License Specific Flags
    Flags map[string]interface{} `json:"flags"

    // Modules is a list of the licensed enterprise modules
    Modules []string `json:"modules"

    // List of features enabled by the license
    Features []string `json:"features"
}

type LicenseReply struct {
    Valid bool
    License *License
    Warnings []string
}
func (op *Operator) LicenseGet(q *QueryOptions) (*LicenseReply, error) {
    var reply LicenseReply
    if _, err := op.c.query("/v1/operator/license", &reply, q); err != nil {
        return nil, err
    } else {
        return &reply, nil
    }
}

func (op *Operator) LicenseGetSigned(q *QueryOptions) (string, error) {
    r := op.c.newRequest("GET", "/v1/operator/license")
    r.params.Set("signed", "1")
    r.setQueryOptions(q)
    _, resp, err := requireOK(op.c.doRequest(r))
    if err != nil {
        return "", err
    }
    defer resp.Body.Close()

    data, err := ioutil.ReadAll(resp.Body)
    if err != nil {
        return "", err
    }

    return string(data), nil
}

// LicenseReset will reset the license to the builtin one if it is still valid.
// If the builtin license is invalid, the current license stays active.
func (op *Operator) LicenseReset(opts *WriteOptions) (*LicenseReply, error) {
    var reply LicenseReply
    r := op.c.newRequest("DELETE", "/v1/operator/license")
    r.setWriteOptions(opts)
    _, resp, err := requireOK(op.c.doRequest(r))
    if err != nil {
        return nil, err
    }
    defer resp.Body.Close()

    if err := decodeBody(resp, &reply); err != nil {
        return nil, err
    }

    return &reply, nil
}

func (op *Operator) LicensePut(license string, opts *WriteOptions) (*LicenseReply, error) {
    var reply LicenseReply
r := op.c.newRequest("PUT", "/v1/operator/license")
r.setWriteOptions(opts)
r.body = strings.NewReader(license)
_, resp, err := requireOK(op.c.doRequest(r))
if err != nil {
    return nil, err
}
def resp.Body.Close()

if err := decodeBody(resp, &reply); err != nil {
    return nil, err
}

return &reply, 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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https://github.com/golang/protobuf

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@import './skin';
@import './layout';
```

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@import './skin';
@import './layout';
```
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<dt><Tooltip>Methods</Tooltip></dt>
<dd>{{#each item.HTTP.Methods as |item|}}
  {{item}}
{{/each}}</dd>
</dl>{{/if}}{{#if item.HTTP.Path}}
<dl class="permission-path">
  <dt><Tooltip>{{item.HTTP.PathType}}</Tooltip></dt>
  <dd>{{item.HTTP.Path}}</dd>
</dl>{{/if}}{{#each item.HTTP.Header as |item|}}
<dl class="permission-header">
  <dt><Tooltip>Header</Tooltip></dt>
  <dd>{{item.Name}} {{route-match item}}</dd>
</dl>{{/each}}</div></BlockSlot>{{#if onclick}}
<BlockSlot @name="actions" as |Actions|>
  <Actions as |Action|>
    <Action data-test-edit-action @onclick={{action (optional onclick) item}} @close={{true}}>
      <BlockSlot @name="label">Edit</BlockSlot>
    </Action>
    <Action data-test-delete-action @onclick={{action ondelete item}} class="dangerous">
      <BlockSlot @name="label"></BlockSlot>
    </Action>
  </Actions>
</BlockSlot>
Delete
</BlockSlot>
<BlockSlot @name="confirmation" as [Confirmation]>
<Confirmation class="warning">
<BlockSlot @name="header">
Confirm delete
</BlockSlot>
<BlockSlot @name="body">
<p>
Are you sure you want to delete this permission?
</p>
</BlockSlot>
<BlockSlot @name="confirm" as [Confirm]>
<Confirm>Delete</Confirm>
</BlockSlot>
</Confirmation>
</BlockSlot>
</Action>
</BlockSlot>
{ {/if} }
</ListCollection>
{ {/if} }
%notice {
position: relative;
padding: 0.8rem;
}
%notice header {
margin-bottom: 0.1rem;
}
%notice header > * {
margin-bottom: 0;
}
%notice p {
margin-bottom: 0.3rem;
line-height: 1.4;
}/* this is probably skin */
%notice {
padding-left: calc(0.8rem + 1.4rem);
}
%notice::before {
position: absolute;
top: 0.8rem;
left: 0.6rem;
font-size: 1rem;
}
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>>> appengine-ca59ef35f409df61fa4a5f8290ff289b37ecfcb8
>>> aws aws-sdk-go_aws-master
>>> coreos etcd_client-781196fa8746d6c34ace2a62898051af6de46002
>>> coreos etcd_version-781196fa8746d6c34ace2a62898051af6de46002
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>>> docker_distribution-28602af35aced2f8d571bad7ca37a54cf0250bc
>>> docker go-events-aa2e3b613fbbfdddbe055a7b9e3ce271cfd83eca
>>> docker libnetwork-fd27f22aaa35e3d5f88688f919d05b744f431fd
>>> docker libtrust-9cbd2a1374f46905c68a4eb3694a130610adc62a
>>> go-openapi analysis-d5a75bd7f51ca3f11ad5d93cfe97405f2c3f6a47
>>> go-openapi errors-f3f73a224499b047eda7191e5d22e1e9631e86f
>>> go-openapi jsonpointer-779f45308ce19820f1a69e9a4cd965f496e0da10f
>>> go-openapi jsonreference-36d33bfe519efa5632669801b180bf1a245da3b
>>> go-openapi loads-6bbd486231e079ea125c0f39994ed3d0c53399ed
>>> go-openapi runtime-3b13ebb46790dd871d74a6c2450fa4b1280f9054
>>> go-openapi spec-e072eb2390d3a03736a6eb617d30f48369160447
>>> go-openapi strfmt-0cb3db44c13bad3b3f567b762a66751972a310cc
>>> go-openapi swag-96d7b9ebd181a1735a1c9ace87914f2b32bf56e9

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>>> agl_ed25519-master
>>> airbrake_gobrake_v2-c9d51adc624b5cc4c4c1bf8de730a09af4878ffe2d
>>> api_compute_v1-dfa61ae24628a06502b9c2805d983b57e89399b5
>>> api_gensupport-dfa61ae24628a06502b9c2805d983b57e89399b5
>>> api_googleapi-dfa61ae24628a06502b9c2805d983b57e89399b5
>>> armon_go-radix-b02f2bbce117d7a6f927f282ef17710fe2f65ef3
>>> client9_misspell-9a1fc2456ac9e8c9b4ebe9d005b667edac0d357f
>>> codegangsta/inject-33e0a1cb7e0199cc3fbe094a8262a6403d30504
>>> codegangsta/cli-master
>>> cpuguy83_go-md2man_md2man-a65d4d4d2de4d5f7c74868df9a0b202ac8be31aaa
>>> d2g_dhcp4-f0e4d29ff0231dce36502b9d2805d983b57e89399b5
>>> deckarep_golang_set-1f0f4ff7e0f1b94eb8e37be047d4031e
>>> dustin_go-humanize-259d2a102b871d17f703c3d9881af62961a1e486
>>> gemnasium_logrus-airbrake-hook_v2-31e6df4d5f9a8d87ee763d24b54ec73c31810d
>>> gizak_termui-798ff9ebbe4073ef1f88e6069ca4e26aa676b
>>> go-check_check-20d25e2804050c1c2d4a7e17a6447dd0e74ec
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>>> go-nfs-client-42fca177a36e31d648551c751de1da5ff55dd4f0
>>> godbus_dbus-230e4b23db2d81e53ea0073f766569d48495e51
>>> gogo_protobuf_gogoprotobuf-6a92c871a8f5333cf106b2cd937567208d8bb2b7
>>> gogo_protobuf_protoc-6a92c871a8f5333cf106b2cd937567208d8bb2b7
>>> gogo_protobuf_protoc-gen_gogo_descriptor-6a92c871a8f5333cf106b2cd937567208d8bb2b7
>>> gogo_protobuf_sortkeys-6a92c871a8f5333cf106b2cd937567208d8bb2b7
>>> gogo_protobuf_types-6a92c871a8f5333cf106b2cd937567208d8bb2b7
>>> goji-param-d7f49fd7d1ed53fdd562e737a8b5bccc7e3d925e2
>>> golang_lint-cb00e5669539f047b2f4ac53a421a011b08e1726e
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1. google_go-github_github-7a51fb928f52a196d5f31daefb8a489453ef54ff
2. google_go-querystring_query-53e6ce116135b80d037921a7fdd5138caf32d7a8a
3. google_uuid-f3f4b54b2fabcf1f11cc939025bb0c109b00ed8
4. googleapis_gax-go-da06d194a00e19ce00d9011a139313c56f6887c7
5. gorilla_context-1ec383b3ab4d56bd76072666b746c201815fcb8272d
6. gorilla_mux-acf3be13355c8ce30b2c8d51300984666f0ceefa
7. gorilla_securecookie-fa53299f13702981df43db2a380babc429c810b5
8. gorilla_sessions-ca9ada4457415344400d3fd9c8559e4ce95f98f6
9. gorilla_websocket-a91eab7f977777049b2e2443f5534d412dd20c57b20
10. graylog2_go-gelf_gelf-master
11. grpc-b1a2821ca5a4fd666e48dffb76d76584d839d21
12. hpccloud_tail-a30252cb686a21eb2d0db98132363053ce27f1f5
13. jessevdk_go-flags-97448c91aace742cbe3d020b3e769013a420a6f6
14. julienschmidt/httprouter-975b5c4c721c0e3d23764200f2ba9e8e34657ae6e
15. justinas/alice-1051eaf52caf8d8ead59d28b065f1cb8274ec
16. kr Pty-f7ee69f31298ebe5d2b349c711e2547a617d398
17. mailru_easyjson-99e922cf9de1b0ab33810c277cfff32c2147e747
18. martini/contrib/render-e18f8343a181184672832389060f1bdf640e8c
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23. mldayer/raw-c83864a487652c25edc5084eaefdc1dafa2f142c7
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25. microsoft_hcsshim-d327ca738085de7d617aa1df16987e5
26. miekdns-ca336a1f9566899ebc250df26ca41742eb4a6f
27. milchgo_go-wordwrap-ad5545899c7b13c020ea92b20722200efad4b2b
28. milchellh_mapstructure-5a0325d7faeace12dada67b8b4d22221cb166975e
29. mreiferson_httpclient-31f0106b4474f44bc441575e19d3a5fa211af16c
30. naoina_denco-9afa2b0ae24214bab003821f4a501b131b20e0c475
31. nlopes_slack-f243c7602df906248fc1f165284d4a4e4d2d09e
32. nsf_termbox-go-91bae1b5bf9af504905cebe7043fa30e92f1ea3
33. opennota_rurlsc-5af9f10392746ae1c4b37f3ce4c65a7aa79587
34. pkg_profile-8a0f8a6967b79ada66deacfe50b8b263d98a69518f
35. puercitobio_purell-d69616f51cdcf7514d6308487a152df2ca749d
36. rackssec_sesslog-a974baf67fb5272d2dc73ee9c05d3e2cc0a90d0c
37. rs-cors-8d2d4211af5d08d0b39a533b9b9e4a4b4686351df6
38. ryanuber_go-glob-256dca444b735e061061cf46ec084978313d5b0065
39. sirupxs_logrus-db2419270760ca5d33129d2799e43b45c782e2b
40. smartystreetsAssertions-287b4346dc4e710a3f8c346375a9d572453bc469b
41. smartystreetsAssertionsInternalOgleMatchers-287b4346dcce710a3f8c346375a9d572453bc469b
42. smartystreetsAssertionsInternalOgleMock-287b4346dc4e710a3f8c346375a9d572453bc469b
43. smartystreetsAssertionsInternalOlegetest-287b4346dc4e710a3f8c346375a9d572453bc469b
44. smartystreetsAssertionsInternalReqtracer-287b4346dc4e710a3f8c346375a9d572453bc469b
45. stretchr_objx-1a9d0bbf9514897e62256577b352f9dc1f9fd94
46. tomb_v1-dd632973f1e7218eb1089048e0798ce9ae7dceb8
47. tylerb/graceful.v1-4654dfbb6ad53cbe527f37d99b02e16c1872f8b8bb
48. tylerb_graceful-d7d7a205e779a4738d38eda0671ff88bfc96f514

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>>> dbus-1.11.12-1.ph2

SECTION 3: Mozilla Public License, V2.0

>>> d2g_dhcp4client-master
>>> hashicorp_go-cleanhttp-875fb671b3ddc66f8e2f0acc33829c8eb989a38d
>>> hashicorp_memberlist-cef12ad582224d55cf26caa9e3d239e2fcb3432a2

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>>> photon-release-2.0-2.ph2

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>>> bzip2-1.0.6-8.ph2
>>> curl-7.59.0-4.ph2
>>> expat-2.2.4-1.ph2
>>> iputils-20151218-4.ph2
>>> krb5-1.16-2.ph2
>>> libarchive-3.3.1-2.ph2
>>> libcap-2.25-7.ph2
>>> libdb-5.3.28-1.ph2
>>> libffi-3.2.1-5.ph2
>>> libsolv-0.6.26-3.ph2
>>> libssh2-1.8.0-1.ph2
>>> libtirpc-1.0.1-8.ph2
>>> linux-pam-1.3.0-1.ph2
>>> Isol-4.89-2.ph2
>>> ncurses-6.0-14.ph2
>>> openssh-7.5p1-11.ph2
>>> openssl-1.0.2q-1.ph2
>>> pcire-8.41-1.ph2
>>> popt-1.16-5.ph2
>>> shadow-4.2.1-16.ph2
>>> sqlite-3.22.0-3.ph2
>>> sudo-1.8.20p2-5.ph2
>>> vim-8.0.0533-6.ph2
>>> xz-5.2.3-2.ph2
>>> zlib-1.2.11-1.ph2

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>>> e2fsprogs-1.43.4-2.ph2
>>> gcc-6.3.0-7.ph2
>>> iproute2-4.10.0-3.ph2
>>> iptables-1.6.1-4.ph2
>>> linux-esx-4.9.154-1.ph2
>>> logrotate-3.11.0-3.ph2
>>> mingetty-1.08-2.ph2
>>> net-tools-1.60-11.ph2
>>> procps-ng-3.3.15-2.ph2
>>> rpm-4.13.0.2-1.ph2
>>> tdnf-1.2.3-6.ph2
SECTION 5: GNU General Public License, V3.0

>>> bash-4.4.12-3.ph2
>>> coreutils-8.27-3.ph2
>>> elfutils-0.169-3.ph2
>>> grep-3.0-4.ph2
>>> gzip-1.8-1.ph2
>>> haveged-1.9.1-4.ph2
>>> readline-7.0-2.ph2

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>>> cracklib-2.9.6-8.ph2
>>> glibc-2.26-13.ph2
>>> hawkey-2017.1-6.ph2
>>> kmod-24-3.ph2
>>> libgcrypt-1.8.1-2.ph2
>>> libgpg-error-1.27-1.ph2
>>> systemd-233-18.ph2

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>>> gmp-6.1.2-2.ph2

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>>> glib-2.52.1-3.ph2

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>>> ca-certificates-20180919-1.ph2
>>> nspr-4.15-1.ph2
>>> nss-3.31.1-1.ph2

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Go support for leveled logs, analogous to https://code.google.com/p/google-glog

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>>> cpuguy83_go-md2man_md2man-a65d4d2de4d5f7c74868df9b202a3c8be315aaa

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Gocheck - A rich testing framework for Go

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>>> goji/param-d7f49fd7d1ed53fd562e737a8b5bbcc7e3d925e2

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>>> mitchellh_mapstructure-5a0325d7fafaac12dda6e7f8bd222ec1b69875e

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>>> mreiferson_go-httpclient-31f0106b4474f14bc441575c19d3a5fa21aa1f6c

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>>> naoina_denco-9af2ba0e24214bac003821f4a501b131b2e04c75

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>>> ryanuber_go-glob-256dc444b735e061061cf46e809487313d5b0065

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>>> sirupsen_logrus-d26492970760ca5d33129d2d799e34be5c4782eb

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>>> stretchr_objx-1a9d0bb9f541897e62256577b352fdbc1fb4fd94

objx - by Mat Ryer and Tyler Bunnell

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>>> tomb_v1-dd632973f1e7218eb1089048e0798ec9ae7dceb8

tomb - support for clean goroutine termination in Go.

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>>> tylerb/graceful.v1-4654dfbb6ad53cb5e27f37d99b02e16c1872fbbb

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>>> ugorji_go_codec-708a42d2d46822952f38190a8d8c4e6b16a0e600c

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>>> urfave/negroni-ccc4a14984828dcb944e6f17fa4a967b18624f2b

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>>> urfave_cli_v1-0bdeddee0f650497d603c4ad7b20cfe685682f6

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It was heavily inspired by the go blowfish package.

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+build appengine

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It is designed to run only on the instance of godoc that serves golang.org.
package short

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lib/gssapi/mechglue/g_delete_sec_context.c
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lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
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lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
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lib/gssapi/mechglue/g_imp_sec_context.c
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lib/gssapi/mechglue/g_inquire_names.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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@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
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lsof_4.89.tar.gz\lsof_4.89.tar\lsof_4.89\lsof_4.89_src.tar\lsof_4.89_src\scripts\sort_res.perl5

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>>> ncurses-6.0-14.ph2

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

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```
-- vile: txtmode file-encoding=utf-8

>>> openssh-7.5p1-11.ph2

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- Zlib is now external, in a library
- The make-ssh-known-hosts script is no longer included
- TSS has been removed
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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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his C header file is part of the SoftFloat IEC/IEEE Floating-point Arithmetic Package, Release 2.

Written by John R. Hauser. This work was made possible in part by the International Computer Science Institute, located at Suite 600, 1947 Center Street, Berkeley, California 94704. Funding was partially provided by the National Science Foundation under grant MIP-9311980. The original version of this code was written as part of a project to build a fixed-point vector processor in collaboration with the University of California at Berkeley, overseen by Profs. Nelson Morgan and John Wawrzynek. More information is available through the Web page http://www.jhauser.us/arithmetic/SoftFloat-2b/SoftFloat-source.txt

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```

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Reasonably optimised generic C-code for memcpy on Microblaze
This is generic C code to do efficient, alignment-aware memcpy.

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```

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This code offers a very basic support for this EISA bus present in the SGI Indigo-2. It currently only supports PIO (forget about DMA for the time being). This is enough for a low-end ethernet card, but forget about your favorite SCSI card...

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mkinstalldirs --- make directory hierarchy
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pmap.c - print process memory mapping
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line - read one line


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uuidparse.c --- Interpret uuid encoded information. This program violates the UUID abstraction barrier by reaching into the guts of a UUID.

Based on libuuid/src/uuid_time.c
Copyright (C) 1998, 1999 Theodore Ts'o.

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From Simon Josefsson
-- derivated from coreutils m4/warnings.m4

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setpwnam.c -- edit an entry in a password database.

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Edited 11/10/96 (DD/MM/YY ;-) by Nicolai Langfeldt (janl@math.uio.no) to read /etc/passwd directly so that passwd, chsh and chfn can work on machines that run NIS (previously YP). Changes will not be made to usernames starting with +.

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Usage:
1) get a struct passwd from getpwnam().
You should assume a struct passwd has an infinite number of fields, so
you should not try to create one from scratch.
2) edit the fields you want to edit.
3) call setpwnam() with the edited struct passwd.

A _normal user_ program should never directly manipulate etc/passwd but
/use getpwnam() and (family, as well as) setpwnam().

But, setpwnam was made to _edit_ the password file. For use by chfn,
chsh and passwd. _I_ _HAVE_ to read and write /etc/passwd directly. Let
those who say nay be forever silent and think about how getpwnam (and
family) works on a machine running YP.

Added checks for failure of malloc() and removed error reporting to
stderr, this is a library function and should not print on the screen,
but return appropriate error codes.
27-Jan-97 - poe@daimi.aau.dk

Thanks to "two guys named Ian".

$Author: poer $
$Revision: 1.13 $
$Date: 1997/06/23 08:26:29 $

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2.32\libmount\python\pylibmount.c

Python bindings for the libmount library.

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Bison implementation for Yacc-like parsers in C


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A Bison parser, made by GNU Bison 3.0.4.

Bison interface for Yacc-like parsers in C


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(Mostly) portable public-domain implementation -- D A Gwyn

This implementation of the PWB library alloca function, which is used to allocate space off the run-time stack so that it is automatically reclaimed upon procedure exit, was inspired by discussions with J. Q. Johnson of Cornell. J.Otto Tennant <jot@cray.com> contributed the Cray support.

There are some preprocessor constants that can be defined when compiling for your specific system, for improved efficiency; however, the defaults should be okay.

The general concept of this implementation is to keep track of all alloca-allocated blocks, and reclaim any
that are found to be deeper in the stack than the current
invocation. This heuristic does not reclaim storage as
soon as it becomes invalid, but it will do so eventually.

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alloca.c -- allocate automatically reclaimed memory
(Mostly) portable public-domain implementation -- D A Gwyn

This implementation of the PWB library alloca function,
which is used to allocate space off the run-time stack so
that it is automatically reclaimed upon procedure exit,
was inspired by discussions with J. Q. Johnson of Cornell.
J.Otto Tennant <jot@cray.com> contributed the Cray support.

There are some preprocessor constants that can
be defined when compiling for your specific system, for
improved efficiency; however, the defaults should be okay.

The general concept of this implementation is to keep
track of all alloca-allocated blocks, and reclaim any
that are found to be deeper in the stack than the current
invocation. This heuristic does not reclaim storage as
soon as it becomes invalid, but it will do so eventually.

As a special case, alloca(0) reclaims storage without
allocating any. It is a good idea to use alloca(0) in
your main control loop, etc. to force garbage collection.

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Based on NIST Recommended DRBG from NIST SP800-90A with the following properties:
CTR DRBG with DF with AES-128, AES-192, AES-256 cores
Hash DRBG with DF with SHA-1, SHA-256, SHA-384, SHA-512 cores
HMAC DRBG with DF with SHA-1, SHA-256, SHA-384, SHA-512 cores
with and without prediction resistance
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Test Socket Type

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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END OF TERMS AND CONDITIONS

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

<one line to give the library's name and a brief idea of what it does.>
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You should have received a copy of the GNU Library General Public License along with this library; if not, write to the Free Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

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

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

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

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

That's all there is to it!

----------------- SECTION 5: GNU Lesser General Public License, V2.1 -----------------

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

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

Preamble

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

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

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

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

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

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

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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Version 1.1 - 26 February 2007
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Important Recommendations

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        {{changeset-get changeset 'error.Name.validation'}}
    </State>
</group.Element>

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    @error={{changeset-get changeset 'error.Value'}}
as [el]>
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    <el.Text
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        oninput={{action 'change' 'Value' changeset}} />
    <State @state={{el.state}} @matches="error">
        {{changeset-get changeset 'error.Value.validation'}}
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%notice::before {
    @extend %as-pseudo;
}

%notice header > * {
    @extend %h3;
    font-size: $typo-header-300;
}

%notice footer * {
    @extend %p3;
    font-weight: $typo-weight-bold;
}

%notice-success, %notice-info, %notice-highlight, %notice-error, %notice-warning {
    @extend %notice;
}

%notice-success {
    background-color: $green-050;
    border-color: $green-500;
}

%notice-info {
    border-color: $blue-100;
    background-color: $gray-010;
}

%notice-info header * {
    color: $blue-700;
}

%notice-highlight {
    background-color: $gray-050;
    border-color: $gray-300;
}

%notice-highlight header * {
    color: $gray-700;
}

%notice-warning {
    border-color: $yellow-100;
    background-color: $yellow-050;
}

%notice-warning header * {
    color: $yellow-800;
}

%notice-error {
    background-color: $red-050;
    border-color: $red-500;
}
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@import './skin';
@import './layout';

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/*
 .notice.success {
 @extend %notice-success;
 }
 .notice.warning {
 @extend %notice-warning;
 }
 .notice.error {
 @extend %notice-error;
 }
 .notice.info {
 @extend %notice-info;
 }
 .notice.highlight {
 @extend %notice-highlight;
 }
 .notice.policy-management {
 @extend %notice-highlight;
 }
 .notice.crd::before {
 -webkit-mask-image: none;
 mask-image: none;
 background-color: transparent;
 @extend %with-logo-kubernetes-color-icon;
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Portions of the client are based on code at:
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---

layout: commands
page_title: 'Commands: License'
description: >
The license command provides datacenter-level management of the Consul Enterprise license.

```text
Usage: consul license <subcommand> [options] [args]
```

---

# Consul License

Command: `consul license`

`<EnterpriseAlert />`

The `license` command provides datacenter-level management of the Consul Enterprise license. This was added in Consul 1.1.0.

If ACLs are enabled then a token with operator privileges may be required in order to use this command. Requests are forwarded internally to the leader if required, so this can be run from any Consul node in a cluster. See the [ACL Guide](https://learn.hashicorp.com/consul/security-networking/production-acls) for more information.
This command has subcommands for managing the Consul Enterprise license. Here are some simple examples, and more detailed examples are available in the subcommands or the documentation.

Install a new license from a file:

$ consul license put @consul.license

Install a new license from stdin:

$ consul license put -

Install a new license from a string:

$ consul license put "<license blob>"

Retrieve the current license:

$ consul license get

Reset the current license:

$ consul license reset

For more examples, ask for subcommand help or view the documentation.

Subcommands:

```
get     Get the current license
put     Puts a new license in the datacenter
reset   Resets the license in the datacenter
```

## put

This command sets the Consul Enterprise license.

Usage: `consul license put [options] LICENSE`

##### API Options

@include 'http_api_options_client.mdx'

@include 'http_api_options_server.mdx'

The output looks like this:

```
License is valid
```
This command gets the Consul Enterprise license.

Usage: `consul license get [options]`

#### API Options

```
@include 'http_api_options_client.mdx'
```

```
@include 'http_api_options_server.mdx'
```

The output looks like this:

```text
License is valid
License ID: 2afbf681-0d1a-0649-cb6c-333ec9f0989c
Customer ID: 0259271d-8ffce85e-0830-c0822c1f5f2b
Expires At: 2019-05-22 03:59:59.999 +0000 UTC
Datacenter: *
Package: premium
Licensed Features:
  Automated Backups
  Automated Upgrades
  Enhanced Read Scalability
  Network Segments
  Redundancy Zone
  Advanced Network Federation
```

## reset

Resets license for the datacenter to the one builtin in Consul binary, if it is still valid. If the builtin license is invalid, the current one stays active.
Usage: `consul license reset [options]`

#### API Options

@include 'http_api_options_client.mdx'

@include 'http_api_options_server.mdx'

The output looks like this:

```
License is valid
License ID: 2afbf681-0d1a-0649-cb6c-333ec9f0989c
Customer ID: 0259271d-8ffc-e85e-0830-c0822c1f5f2b
Expires At: 2019-05-22 03:59:59.999 +0000 UTC
Datcenter: *
Package: premium
Licensed Features:
  Automated Backups
  Automated Upgrades
  Enhanced Read Scalability
  Network Segments
  Redundancy Zone
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```

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

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package datatypes

// no documentation yet
type Legal_RegulatedWorkload struct {
    Entity

    // no documentation yet
    Account *Account `json:"account,omitempty" xmlrpc:"account,omitempty"`
AccountID *int `json:"accountId,omitempty" xmlrpc:"accountId,omitempty"

EnabledFlag *bool `json:"enabledFlag,omitempty" xmlrpc:"enabledFlag,omitempty"

Id *int `json:"id,omitempty" xmlrpc:"id,omitempty"

Type *Legal_RegulatedWorkload_Type `json:"type,omitempty" xmlrpc:"type,omitempty"

WorkloadTypeId *int `json:"workloadTypeId,omitempty" xmlrpc:"workloadTypeId,omitempty"

type Legal_RegulatedWorkload_Type struct {
    Entity

    Id *int `json:"id,omitempty" xmlrpc:"id,omitempty"

    KeyName *string `json:"keyName,omitempty" xmlrpc:"keyName,omitempty"

    Name *string `json:"name,omitempty" xmlrpc:"name,omitempty"

}
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1.2364 logstash-output-csv 3.0.8

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mpi/hppa1.1/udiv-qrnn.d.S, mpi/hppa1.1/mpi-mul2.S,
mpi/hppa1.1/mpi-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)

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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 taken from the original NTT provided GPL source.

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* Utility class for {@link ByteBuf} that encodes and decodes to and from
* <a href="http://en.wikipedia.org/wiki/Base64">Base64</a> notation.
* 
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A decoder that splits the received ByteBufs dynamically by the value of the length field in the message. It is particularly useful when you decode a binary message which has an integer header field that represents the length of the message body or the whole message.

LengthFieldBasedFrameDecoder has many configuration parameters so that it can decode any message with a length field, which is often seen in proprietary client-server protocols. Here are some example that will give you the basic idea on which option does what.

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

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

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

### 2 bytes length field at offset 0, strip header

Because we can get the length of the content by calling `ByteBuf#readableBytes()`, you might want to strip the length...
* field by specifying `<tt>initialBytesToStrip</tt>`. In this example, we
  * specified `<tt>2</tt>`, that is same with the length of the length field, to
  * strip the first two bytes.
  * `<pre>`
  * lengthFieldOffset = 0
  * lengthFieldLength = 2
  * lengthAdjustment = 0
  * `<b>initialBytesToStrip/b>` = `<b>2</b>` (= the length of the Length field)
  * `<pre>`
  *
  * ```
  * BEFORE DECODE (14 bytes)         AFTER DECODE (12 bytes)
  * +--------+----------------+      +----------------+
  * | Length | Actual Content |----->| Actual Content |
  * | 0x000C | "HELLO, WORLD" |      | "HELLO, WORLD" |
  * +--------+----------------+      +----------------+
  * </pre`
  *
  * </h3>`

  * 2 bytes length field at offset 0, do not strip header, the length field
  * represents the length of the whole message</h3>

  * In most cases, the length field represents the length of the message body
  * only, as shown in the previous examples. However, in some protocols, the
  * length field represents the length of the whole message, including the
  * message header. In such a case, we specify a non-zero
  * `<tt>lengthAdjustment</tt>`. Because the length value in this example message
  * is always greater than the body length by `<tt>2</tt>`, we specify `<tt>-2</tt>`
  * as `<tt>lengthAdjustment</tt>` for compensation.
  * `<pre>`
  * lengthFieldOffset = 0
  * lengthFieldLength = 2
  * `<b>lengthAdjustment</b>` = `<b>-2</b>` (= the length of the Length field)
  * initialBytesToStrip = 0
  * `<pre>`
  *
  * ```
  * BEFORE DECODE (14 bytes)         AFTER DECODE (14 bytes)
  * +--------+----------------+      +--------+----------------+
  * | Length | Actual Content |----->| Length | Actual Content |
  * | 0x000E | "HELLO, WORLD" |      | 0x000E | "HELLO, WORLD" |
  * +--------+----------------+      +--------+----------------+
  * </pre`
  *
  * </h3>`

  * 3 bytes length field at the end of 5 bytes header, do not strip header</h3>

  * The following message is a simple variation of the first example. An extra
  * header value is prepended to the message. `<tt>lengthAdjustment</tt>` is zero
  * again because the decoder always takes the length of the prepended data into
  * account during frame length calculation.
  * `<pre>`
  * `<b>lengthFieldOffset</b>` = `<b>2</b>` (= the length of Header 1)
  * `<b>lengthFieldLength</b>` = `<b>3</b>`
* lengthAdjustment = 0
* initialBytesToStrip = 0
* BEFORE DECODE (17 bytes)            AFTER DECODE (17 bytes)
* +----------+----------+----------------+      +----------+----------+----------------+
* | Header 1 | Length  | Actual Content |----->| Header 1 | Length  | Actual Content |
* | 0xCAFE   | 0x00000C | "HELLO, WORLD" |      | 0xCAFE   | 0x00000C | "HELLO, WORLD" |
* +----------+----------+----------------+      +----------+----------+----------------+
* </pre>
*  
* <h3>3 bytes length field at the beginning of 5 bytes header, do not strip header</h3>
*  
* This is an advanced example that shows the case where there is an extra
* header between the length field and the message body. You have to specify a
* positive <tt>lengthAdjustment</tt> so that the decoder counts the extra
* header into the frame length calculation.
*  
* lengthFieldOffset   = 0
* lengthFieldLength   = 3
* <b>lengthAdjustment</b>    = <b>2</b> (= the length of Header 1)
* initialBytesToStrip = 0
* BEFORE DECODE (17 bytes)            AFTER DECODE (17 bytes)
* +----------+----------+----------------+      +----------+----------+----------------+
* | Length  | Header 1 | Actual Content |----->| Length  | Header 1 | Actual Content |
* | 0x00000C | 0xCAFE   | "HELLO, WORLD" |      | 0x00000C | 0xCAFE   | "HELLO, WORLD" |
* +----------+----------+----------------+      +----------+----------+----------------+
* </pre>
*  
* <h3>2 bytes length field at offset 1 in the middle of 4 bytes header,
* strip the first header field and the length field</h3>
*  
* This is a combination of all the examples above. There are the prepended
* header before the length field and the extra header after the length field.
* The prepended header affects the <tt>lengthFieldOffset</tt> and the extra
* header affects the <tt>lengthAdjustment</tt>. We also specified a non-zero
* <tt>initialBytesToStrip</tt> to strip the length field and the prepended
* header from the frame. If you don't want to strip the prepended header, you
* could specify <tt>0</tt> for <tt>initialBytesToSkip</tt>.
*  
* lengthFieldOffset   = 1 (= the length of HDR1)
* lengthFieldLength   = 2
* <b>lengthAdjustment</b>    = <b>1</b> (= the length of HDR2)
* <b>initialBytesToStrip</b> = <b>3</b> (= the length of HDR1 + LEN)
* BEFORE DECODE (16 bytes)            AFTER DECODE (13 bytes)
* +------------+-----------------+      +------------+-----------------+
* | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
Let's give another twist to the previous example. The only difference from
the previous example is that the length field represents the length of the
whole message instead of the message body, just like the third example.
We have to count the length of HDR1 and Length into \texttt{lengthAdjustment}.
Please note that we don't need to take the length of HDR2 into account
because the length field already includes the whole header length.

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

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

\texttt{@see LengthFieldPrepender}

\texttt{@/}

Found in path(s):
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
jar/io/netty/handler/codec/LengthFieldBasedFrameDecoder.java

1.2379 babel-plugin-transform-react-jsx-self

6.22.0

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

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* java.sun.security.ssl

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http://openjdk.java.net/legal/gplv2+ce.html

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org.ow2.asm:asm-commons
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org.apache.taglibs:taglibs-standard-spec
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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
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org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

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

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org.eclipse.jetty.toolchain:jetty-schemas

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1.2390 node-validate-npm-package-license

1.2390.1 Available under license:

---
language: "node_js"
node_js:
- "0.10"
- "0.11"
- "0.12"
- "node"
- "iojs"
sudo: false
validate-npm-package-license
============================

Give me a string and I'll tell you if it's a valid npm package license string.

```
```javascript
var valid = require('validate-npm-package-license');
```

SPDX license identifiers are valid license strings:

```
```javascript
var assert = require('assert');
var validSPDXExpression = {
  validForNewPackages: true,
  validForOldPackages: true,
  spdx: true
};

assert.deepEqual(valid('MIT'), validSPDXExpression);
assert.deepEqual(valid('BSD-2-Clause'), validSPDXExpression);
assert.deepEqual(valid('Apache-2.0'), validSPDXExpression);
```
The function will return a warning and suggestion for nearly-correct license identifiers:

```javascript
assert.deepEqual(valid('ISC'), validSPDXExpression);
```
If you can't describe your licensing terms with standardized SPDX identifiers, put the terms in a file in the package and point users there:

```javascript
assert.deepEqual(
valid('SEE LICENSE IN LICENSE.txt'),
{
 validForNewPackages: true,
 validForOldPackages: true,
 inFile: 'LICENSE.txt'
}
);

assert.deepEqual(
valid('SEE LICENSE IN license.md'),
{
 validForNewPackages: true,
 validForOldPackages: true,
 inFile: 'license.md'
}
);
```

If there aren't any licensing terms, use `UNLICENSED`:

```javascript
var unlicensed = {
 validForNewPackages: true,
 validForOldPackages: true,
 unlicensed: true
};
assert.deepEqual(valid('UNLICENSED'), unlicensed);
assert.deepEqual(valid('UNLICENCED'), unlicensed);
```
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1.2391 Icms 2.9-3

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1.2392 emoji-regex 9.0.0

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1.2393 node-object-assign 4.1.1-3

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@c ispell-local-pdict: "ispell-dict"
@c End:
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// +build go1.10

package pq
import {
    "context"
    "database/sql/driver"
}

// NoticeHandler returns the notice handler on the given connection, if any. A
// runtime panic occurs if c is not a pq connection. This is rarely used
// directly, use ConnectorNoticeHandler and ConnectorWithNoticeHandler instead.
func NoticeHandler(c driver.Conn) func(*Error) {
    return c.(*conn).noticeHandler
}

// SetNoticeHandler sets the given notice handler on the given connection. A
// runtime panic occurs if c is not a pq connection. A nil handler may be used
// to unset it. This is rarely used directly, use ConnectorNoticeHandler and
// ConnectorWithNoticeHandler instead.
//
// Note: Notice handlers are executed synchronously by pq meaning commands
// won't continue to be processed until the handler returns.
func SetNoticeHandler(c driver.Conn, handler func(*Error)) {
    c.(*conn).noticeHandler = handler
}

// NoticeHandlerConnector wraps a regular connector and sets a notice handler
// on it.
type NoticeHandlerConnector struct {
    driver.Connector
    noticeHandler func(*Error)
}

// Connect calls the underlying connector's connect method and then sets the
// notice handler.
func (n *NoticeHandlerConnector) Connect(ctx context.Context) (driver.Conn, error) {
    c, err := n.Connector.Connect(ctx)
    if err == nil {
        SetNoticeHandler(c, n.noticeHandler)
    }
    return c, err
}

// ConnectorNoticeHandler returns the currently set notice handler, if any. If
// the given connector is not a result of ConnectorWithNoticeHandler, nil is
// returned.
func ConnectorNoticeHandler(c driver.Connector) func(*Error) {
    if c, ok := c.(*NoticeHandlerConnector); ok {
        return c.noticeHandler
    }
    return nil

// ConnectorWithNoticeHandler creates or sets the given handler for the given
// connector. If the given connector is a result of calling this function
// previously, it is simply set on the given connector and returned. Otherwise,
// this returns a new connector wrapping the given one and setting the notice
// handler. A nil notice handler may be used to unset it.
//
// The returned connector is intended to be used with database/sql.OpenDB.
//
// Note: Notice handlers are executed synchronously by pq meaning commands
// won't continue to be processed until the handler returns.
func ConnectorWithNoticeHandler(c driver.Connector, handler func(*Error)) *NoticeHandlerConnector {
  if c, ok := c.(*NoticeHandlerConnector); ok {
    c.noticeHandler = handler
    return c
  }
  return &NoticeHandlerConnector{Connector: c, noticeHandler: handler}
}

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1.2408 http-parser-rb 0.6.0

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1.2409 pkg-sftp 0.0.0-20171104194840

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1.2410 prop-types 15.7.2

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1.2413 liblmdb0 0.9.22-1

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1.2415 shot 4.0.7

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## Commands to generate dependency files
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)

## Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -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_SOSONAME = -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
%.s$(STATIC_O): $(srkdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srkdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

%.s$(STATIC_O): $(srkdir)/%.cpp
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srkdir)/%.cpp
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<
```
## Dependency rules

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

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

## Versioned libraries rules

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

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

## Bind internal references

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

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

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

## End BSD-specific setup

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1.2422 https-proxy-agent 2.2.4
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https-proxy-agent
================

### An HTTP(s) proxy `http.Agent` implementation for HTTPS

This module provides an `http.Agent` implementation that connects to a specified
HTTP or HTTPS proxy server, and can be used with the built-in `https` module.

Specifically, this `Agent` implementation connects to an intermediary "proxy"
server and issues the [CONNECT HTTP method][CONNECT], which tells the proxy to
open a direct TCP connection to the destination server.

Since this agent implements the CONNECT HTTP method, it also works with other
protocols that use this method when connecting over proxies (i.e. WebSockets).
See the "Examples" section below for more.

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

Install with `npm`:

```bash
$ npm install https-proxy-agent
```

---

Open Source Used In MSX Platform Infrastructure 4.1.0 19644
Examples
-------

##### `https` module example

```js
var url = require('url');
var https = require('https');
var HttpsProxyAgent = require('https-proxy-agent');

// HTTP/HTTPS proxy to connect to
var proxy = process.env.http_proxy || 'http://168.63.76.32:3128';
console.log('using proxy server %j', proxy);

// HTTPS endpoint for the proxy to connect to
console.log('attempting to GET %j', endpoint);
var options = url.parse(endpoint);

// create an instance of the `HttpsProxyAgent` class with the proxy server information
var agent = new HttpsProxyAgent(proxy);
options.agent = agent;

https.get(options, function (res) {
  console.log("response" event!", res.headers);
  res.pipe(process.stdout);
});
```

##### `ws` WebSocket connection example

```js
var url = require('url');
var WebSocket = require('ws');
var HttpsProxyAgent = require('https-proxy-agent');

// HTTP/HTTPS proxy to connect to
var proxy = process.env.http_proxy || 'http://168.63.76.32:3128';
console.log('using proxy server %j', proxy);

// WebSocket endpoint for the proxy to connect to
var endpoint = process.argv[2] || 'ws://echo.websocket.org';
console.log('attempting to connect to WebSocket %j', endpoint);
var options = url.parse(endpoint);

// create an instance of the `HttpsProxyAgent` class with the proxy server information
var agent = new HttpsProxyAgent(proxy);
options.agent = agent;

var ws = new WebSocket(endpoint);
ws.proxy = proxy;
ws.on('open', function() {
  console.log('Connected to WebSocket server %j', endpoint);
});
```
var agent = new HttpsProxyAgent(options);

// finally, initiate the WebSocket connection
var socket = new WebSocket(endpoint, { agent: agent });

socket.on('open', function () {
    console.log("open" event!);
    socket.send('hello world');
});

socket.on('message', function (data, flags) {
    console.log("message" event! %j, %j", data, flags);
    socket.close();
});

---

### new HttpsProxyAgent(Object options)

The `HttpsProxyAgent` class implements an `http.Agent` subclass that connects to the specified "HTTP(s) proxy server" in order to proxy HTTPS and/or WebSocket requests. This is achieved by using the [HTTP `CONNECT` method][CONNECT].

The `options` argument may either be a string URI of the proxy server to use, or an "options" object with more specific properties:

* `host` - String - Proxy host to connect to (may use `hostname` as well). Required.
* `port` - Number - Proxy port to connect to. Required.
* `protocol` - String - If `https:`, then use TLS to connect to the proxy.
* `headers` - Object - Additional HTTP headers to be sent on the HTTP CONNECT method.
* Any other options given are passed to the `net.connect()`/`tls.connect()` functions.

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[CONNECT]: http://en.wikipedia.org/wiki/HTTP_tunnel#HTTP.CONNECT_Tunneling

Found in path(s):
*/opt/cola/permits/1112087480_1607035434.28/0/https-proxy-agent-2-2-4-6-tgz/package/README.md

1.2423 micromatch 3.1.5

1.2423.1 Available under license:
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1.2424 babel-helper-create-class-features-plugin 7.3.4

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1.2425 jetty-util 9.4.35.v20201120

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Eclipse

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

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

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

Oracle

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

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

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Oracle OpenJDK

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

* java.sun.security.ssl

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

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OW2

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

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

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Apache

The following artifacts are ASL2 licensed.

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

-----

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

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

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

------
Mortbay

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville. Permission to use, copy, modify and distribute UnixCrypt for non-commercial or commercial purposes and without fee is granted provided that the copyright notice appears in all copies.

**1.2426 pkcs8 v0.0.0-20200520070018-fad002e585ce**

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1.2427 hapi-auth-jwt2 8.8.1
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    <signature of Ty Coon>, 1 April 1989
    Ty Coon, President of Vice

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1.2432 node-through 2.3.8+~cs0.0.30-1

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1.2433 @babel/helper-call-delegate 7.1.0

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1.2434 metrics-logback 3.1.5
1.2435 googleapis-gnostic v0.2.0

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1.2436 twitter 5.15.0
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1.2437 node-is-typedarray 1.0.0-3
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1.2438 compare-versions 3.1.0

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1.2439 yauzl 2.10.0

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1.2440 bcrypt-pbkdf 1.0.2

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1.2441 path-is-inside 1.0.2

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1.2442 follow-redirects 1.5.10

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1.2443 spew v1.1.1

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1.2444 elastic-datemath 5.0.2

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1.2445 lua-cjson 2.1.0

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1.2446 libjs-typedarray-to-buffer 4.0.0-1

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1.2449 normalize-path 2.1.1
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1.2453 @babel/plugin-syntax-optional-catch-binding 7.2.0

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1.2456 netty 4.1.59.Final

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1.2460 babel-plugin-transform-es2015-spread
6.22.0

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1.2461 turf-bezier 3.0.12

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1.2465 libassuan 2.4.3-2

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Upstream-Name: libassuan
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   src/Makefile.am
   src/assuan-buffer.c
   src/assuan-error.c
   src/assuan-inquire.c
   src/assuan-io.c
   src/assuan-listen.c
   src/assuan-pipe-server.c
   src/assuan-socket-connect.c
   src/assuan-socket-server.c
   src/assuan-socket.c
   src/assuan-uds.c
src/client.c
src/context.c
src/funopen.c
src/memrchr.c
src/posix-fd-t.inc.h
src/posix-includes.inc.h
src/posix-sock-nonce.inc.h
src/posix-sys-pth-impl.h
src/posix-types.inc.h
src/putc_unlocked.c
src/server.c
src/setenv.c
src/stpcpy.c
src/system-posix.c
src/system-w32.c
src/system-w32ce.c
src/system.c
src/w32-fd-t.inc.h
src/w32-includes.inc.h
src/w32-sock-nonce.inc.h
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      m4/libtool.m4
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1.2466 getpass 0.1.7-1.1

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1.2467 jackson-dataformat-cbor 2.8.11

1.2468 kbn-ui-framework 1.0.0

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1.2491 asm-debug-all 5.1

1.2492 cookie 0.4.1

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1.2493 bcrypt-pbkdf 1.0.2-1

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1.2494 babel-code-frame 6.26.0

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1.2495 turf-bbox 3.0.12
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include/GL/g1.h :

Mesa 3-D graphics library

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*****************************************************************************

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include/GL/glxext.h
include/GL/wglxext.h

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* /opt/cola/permits/1136800001_1613902658.36/0/rholder-snowball-stemmer-v1-3-0-581-1-0-ge571676-1-target/gz/rholder-snowball-stemmer-c4996c7/build.gradle

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## What is this?
This is a repackaging of a version of the snowball-stemmer found at http://snowball.tartarus.org/ so that it's available on Maven Central.

## Maven
```xml
<dependency>
  <groupId>com.github.rholder</groupId>
  <artifactId>snowball-stemmer</artifactId>
  <version>1.3.0.581.1</version>
</dependency>
```

## Gradle
```groovy
compile 'com.github.rholder:snowball-stemmer:1.3.0.581.1'
```

## Versioning
In the absence of tags, branches, or releases in the original project SVN repository to call out a version, let's go with what [PyStemmer](https://pypi.python.org/pypi/PyStemmer) is currently using and tack on the SVN revision number at
the end followed by my patch revision number (to fix anything weird that I introduce). For the initial version, we'll use 1.3.0.581.1.

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## References
* http://snowball.tartarus.org
* https://github.com/snowballstem
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1.2507 error_prone_annotations 2.0.18

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1.2515 visual-studio-runtime 14.00.24210.0

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   /*
   * A JavaScript implementation of the RSA Data Security, Inc. MD5 Message
   * Digest Algorithm, as defined in RFC 1321.
   * Version 2.1 Copyright (C) Paul Johnston 1999 - 2002.
   * Other contributors: Greg Holt, Andrew Kepert, Ydnar, Lostinet
   * Distributed under the BSD License
   * See http://pajhome.org.uk/crypt/md5 for more info.
   */

   Found in path(s):
   * /opt/cola/permits/1112205000_1607050236.74/0/create-hash-1-1-3-3-tgz/package/md5.js
1.2519 go-immutable-radix v1.0.0

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1.2521 split 0.2.10

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1.2522 bazil-org-fuse v0.0.0-20200407214033-5883e5a4b512

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1.2523 array-uniq 1.0.3

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1.2524 vega-projection 1.1.0

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1.2528 jersey-container-servlet-core 2.27

1.2529 compiler 0.9.3

1.2530 spring-boot-starter-json 2.1.4

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1.2535 cdebconf 0.260

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1.2543 node-mime 2.5.0+dfsg+~cs3.90.0-1

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1.2544 wpa-supplicant 2.6-12.el7_9.2
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1.2545 snappy-java 1.1.1.7

1.2546 perks v1.0.0

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

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* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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1.2556 safe-buffer 5.1.2

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1.2557 webpack-sources 1.3.0

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1.2561 elastic-lodash 3.10.1-kibana4

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1.2566 kubernetes 1.11.9

1.2567 mime 2.5.0

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1.2568 loglevel 1.7.1

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Python interface to tdb.

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1.2573 hppc 0.5.4

1.2574 okzk-sdnotify v0.0.0-20180710141335-d9becc38acbd
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  */opt/ws_local/PERMITS_SQL/1022263267_1596499095.66/0/regenerator-transform-0-13-4-tgz/package/src/leap.js
  */opt/ws_local/PERMITS_SQL/1022263267_1596499095.66/0/regenerator-transform-0-13-4-tgz/package/lib/hoist.js
  */opt/ws_local/PERMITS_SQL/1022263267_1596499095.66/0/regenerator-transform-0-13-4-tgz/package/lib/replaceShorthandObjectMethod.js
  */opt/ws_local/PERMITS_SQL/1022263267_1596499095.66/0/regenerator-transform-0-13-4-tgz/package/src/visit.js
1.2586 minimalistic-crypto-utils 1.0.1

1.2586.1 Available under license:

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

# minimalistic-crypto-utils


Very minimal utils that are required in order to write reasonable JS-only crypto module.

```js
const utils = require('minimalistic-crypto-utils');

utils.toArray('abcd', 'hex');
utils.encode([ 1, 2, 3, 4 ], 'hex');
utils.toHex([ 1, 2, 3, 4 ]);```
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[0]: http://tools.ietf.org/html/rfc6979  
[1]: https://github.com/indutny/bn.js  
[2]: https://github.com/indutny/hash.js  
[3]: https://github.com/bitchan/eccrypto  
[4]: https://github.com/wanderer/secp256k1-node

Found in path(s):

1.2587 @babel/helper-module-transforms

7.1.0

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1.2588 xml-rpc v0.0.0-20170708154548-ce4a1a486c03
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1.2605 robust-sum 1.0.0

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1.2607 libmnl 1.0.4 2
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1.2608 path-browserify 0.0.0

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1.2609 jline-reader 3.10.0

1.2610 lodash-flatten 4.4.0

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1.2612 orgjson 0.0.20131108.vaadin1

1.2613 kubernetes-apimachinery kubernetes-1.15.6

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package cloud

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

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

func TestLicense(t *testing.T) {
    t.Parallel()
    skip := map[string]bool{
        // Automatically generated.
        "bigtable/cmd/cbt/cbtdoc.go": true,
    }
    // BSD license, which is compatible, is embedded in the file.
    "cmd/go-cloud-debug-agent/internal/debug/elf/elf.go": true,
    "third_party/pkgsite/print_type.go": true,
    "third_party/pkgsite/synopsis.go": true,
}
err := filepath.Walk(".", func(path string, fi os.FileInfo, err error) error {
if err != nil {
    return err
}

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

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

return nil
})
if err != nil {
    t.Fatal(err)
}

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2.0.2

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* https://github.com/eclipse-ee4j/jersey

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1.2645 bzip2 1.0.6 8.1

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bzip2/libbzip2 version 1.0.8 of 13 July 2019

1.2646 escalade 3.1.1

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1.2647 scala-reflect 2.13.3
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End:
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import (
    "context"
    "flag"

    "github.com/vmware/govmomi/govc/cli"
    "github.com/vmware/govmomi/govc/flags"
    "github.com/vmware/govmomi/license"
    "github.com/vmware/govmomi/vim25/types"
)

type assign struct {
    *flags.ClientFlag
    *flags.OutputFlag
    *flags.HostSystemFlag
    *flags.ClusterFlag

    name   string
    remove bool
}

func init() {
    cli.Register("license.assign", &assign{ })
}

func (cmd *assign) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)

    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)

    cmd.HostSystemFlag, ctx = flags.NewHostSystemFlag(ctx)
    cmd.HostSystemFlag.Register(ctx, f)

    cmd.ClusterFlag, ctx = flags.NewClusterFlag(ctx)
    cmd.ClusterFlag.Register(ctx, f)

    f.StringVar(&cmd.name, "name", "", "Display name")
    f.BoolVar(&cmd.remove, "remove", false, "Remove assignment")
}

func (cmd *assign) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
```go
return err
}
if err := cmd.OutputFlag.Process(ctx); err != nil {
    return err
}
if err := cmd.HostSystemFlag.Process(ctx); err != nil {
    return err
}
return cmd.ClusterFlag.Process(ctx)
}

func (cmd *assign) Usage() string {
    return "KEY"
}

func (cmd *assign) Description() string {
    return `Assign licenses to HOST or CLUSTER.

Examples:
  govcl license.assign $VCSA_LICENSE_KEY
  govcl license.assign-host a_host.example.com $ESX_LICENSE_KEY
  govcl license.assign -cluster a_cluster $VSAN_LICENSE_KEY`
}

func (cmd *assign) Run(ctx context.Context, f *flag.FlagSet) error {
    if f.NArg() != 1 {
        return flag.ErrHelp
    }
    key := f.Arg(0)

    client, err := cmd.Client()
    if err != nil {
        return err
    }

    m, err := license.NewManager(client).AssignmentManager(ctx)
    if err != nil {
        return err
    }

    host, err := cmd.HostSystemIfSpecified()
    if err != nil {
        return err
    }

    var id string
```
if host == nil {
    cluster, cerr := cmd.ClusterIfSpecified()
    if cerr != nil {
        return cerr
    }
    if cluster == nil {
        // Default to vCenter UUID
        id = client.ServiceContent.About.InstanceUuid
    } else {
        id = cluster.Reference().Value
    } else {
        id = host.Reference().Value
    }
}

if cmd.remove {
    return m.Remove(ctx, id)
}

info, err := m.Update(ctx, id, key, cmd.name)
if err != nil {
    return err
}

return cmd.WriteResult(licenseOutput([]types.LicenseManagerLicenseInfo{*info}))
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*/

package license

import (
    "context"
    "flag"
)
var featureUsage = "List licenses with given feature"

type ls struct {
    *flags.ClientFlag
    *flags.OutputFlag

    feature string
}

func init() {
    cli.Register("license.ls", &ls{ })
}

func (cmd *ls) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)

    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)

    f.StringVar(&cmd.feature, "feature", ",", featureUsage)
}

func (cmd *ls) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }

    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }

    return nil
}

func (cmd *ls) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }

    m := license.NewManager(client)
    result, err := m.List(ctx)
    if err != nil {
        return err
    }

    return nil
}
```go
if cmd.feature != "" {
    result = result.WithFeature(cmd.feature)
}

return cmd.WriteResult(licenseOutput(result))
}

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*/

package license

import {
    "context"
    "flag"
    "fmt"
    "github.com/vmware/govmomi/govc/cli"
    "github.com/vmware/govmomi/govc/flags"
    "github.com/vmware/govmomi/license"
    "github.com/vmware/govmomi/vim25/types"
}

type add struct {
    *flags.ClientFlag
    *flags.OutputFlag
}

func init() {
    cli.Register("license.add", &add{ })
}

func (cmd *add) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.WriteResult(licenseOutput(result))
}
```
func (cmd *add) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }
    return nil
}

func (cmd *add) Usage() string {
    return "KEY..."
}

func (cmd *add) Run(ctx context.Context, _ *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }
    m := license.NewManager(client)
    var addFunc func(ctx context.Context, key string, labels map[string]string) (types.LicenseManagerLicenseInfo, error)
    switch t := client.ServiceContent.About.ApiType; t {
    case "HostAgent":
        addFunc = m.Update
    case "VirtualCenter":
        addFunc = m.Add
    default:
        return fmt.Errorf("unsupported ApiType: %s", t)
    }
    result := make(licenseOutput, 0)
    for _, v := range f.Args() {
        license, err := addFunc(ctx, v, nil)
        if err != nil {
            return fmt.Errorf("error adding license: %v", err)
        }
        result = append(result, license)
    }
    return nil
}
if err != nil {
    return err
}

result = append(result, license)
}

return cmd.WriteResult(licenseOutput(result))

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*/

package simulator

import {
    "context"
    "reflect"
    "testing"

    "github.com/vmware/govmomi"
    "github.com/vmware/govmomi/find"
    "github.com/vmware/govmomi/license"
func TestLicenseManagerVPX(t *testing.T) {
    ctx := context.Background()
    m := VPX()
    defer m.Remove()

    err := m.Create()
    if err != nil {
        t.Fatal(err)
    }

    s := m.Service.NewServer()
    defer s.Close()

    c, err := govmomi.NewClient(ctx, s.URL, true)
    if err != nil {
        t.Fatal(err)
    }

    lm := license.NewManager(c.Client)
    am, err := lm.AssignmentManager(ctx)
    if err != nil {
        t.Fatal(err)
    }

    la, err := am.QueryAssigned(ctx, "enoent")
    if err != nil {
        t.Fatal(err)
    }

    if len(la) != 0 {
        t.Errorf("unexpected license")
    }

    finder := find.NewFinder(c.Client, false)
    hosts, err := finder.HostSystemList(ctx, "/...")
    if err != nil {
        t.Fatal(err)
    }

    host := hosts[0].Reference().Value
    for _, name := range []string{"", host, vcid} {
        la, err = am.QueryAssigned(ctx, name)
        if err != nil {
            t.Fatal(err)
        }
    }
}
t.Fatal(err)
}

if len(la) != 1 {
    t.Fatal("no licenses")
}

if !reflect.DeepEqual(la[0].AssignedLicense, EvalLicense) {
    t.Fatal("invalid license")
}

func TestLicenseManagerESX(t *testing.T) {
    ctx := context.Background()
    m := ESX()
    defer m.Remove()

    err := m.Create()
    if err != nil {
        t.Fatal(err)
    }

    s := m.Service.NewServer()
    defer s.Close()

    c, err := govmomi.NewClient(ctx, s.URL, true)
    if err != nil {
        t.Fatal(err)
    }

    lm := license.NewManager(c.Client)
    _, err = lm.AssignmentManager(ctx)
    if err == nil {
        t.Fatal("expected error")
    }

    la, err := lm.List(ctx)
    if err != nil {
        t.Fatal(err)
    }

    if len(la) != 1 {
        t.Fatal("no licenses")
    }

    if !reflect.DeepEqual(la[0], EvalLicense) {
func TestAddRemoveLicense(t *testing.T) {
    ctx := context.Background()
    m := ESX()

    defer m.Remove()

    err := m.Create()
    if err != nil {
        t.Fatal(err)
    }

    s := m.Service.NewServer()
    defer s.Close()

    c, err := govmomi.NewClient(ctx, s.URL, true)
    if err != nil {
        t.Fatal(err)
    }

    lm := license.NewManager(c.Client)
    key := "00000-00000-00000-00000-11111"
    labels := map[string]string{"key": "value"}

    info, err := lm.Add(ctx, key, labels)
    if err != nil {
        t.Fatal(err)
    }

    if info.LicenseKey != key {
        t.Fatalf("expect info.LicenseKey equal to %q; got %q", key, info.LicenseKey)
    }

    if len(info.Labels) != len(labels) {
        t.Fatalf("expect len(info.Labels) equal to %d; got %d", len(labels), len(info.Labels))
    }

    if info.Labels[0].Key != "key" || info.Labels[0].Value != "value" {
        t.Fatalf("expect label to be {key: %s}; got %s", info.Labels[0].Key, info.Labels[0].Value)
    }

    la, err := lm.List(ctx)
    if err != nil {

t.Fatal(err)
}

if len(la) != 2 {
  t.Fatal("no licenses")
}

if la[1].LicenseKey != key {
  t.Fatalf("expect info.LicenseKey equal to %q; got %q", key, la[1].LicenseKey)
}

if len(la[1].Labels) != len(labels) {
  t.Fatalf("expect len(info.Labels) equal to %d; got %d", len(labels), len(la[1].Labels))
}

if la[1].Labels[0].Key != "key" || la[1].Labels[0].Value != "value" {
  t.Fatalf("expect label to be {key: value}; got {%s:%s}", la[1].Labels[0].Key, la[1].Labels[0].Value)
}

err = lm.Remove(ctx, key)
if err != nil {
  t.Fatal(err)
}

la, err = lm.List(ctx)
if err != nil {
  t.Fatal(err)
}

if len(la) != 1 {
  t.Fatal("no licenses")
}

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package simulator

import (  "github.com/vmware/govmomi/object"
// 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{
Open Source Used In MSX Platform Infrastructure 4.1.0  20631

```go
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:]...) // Removed license
            return body
        }
    }
    return body
}

func (m *LicenseAssignmentManager) 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:]...) // Removed license
            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{
                ManagedObjectReference: Map.content().About.InstanceUuid,
            }
```
Type: "HostSystem",
Value: req.EntityId,
}

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

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

return body
}

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

    info.LicenseKey = key
    info.Labels = labels

    return info
}
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*/

package license

import (    "context"
"flag"

"github.com/vmware/govmomi/govc/cli"
"github.com/vmware/govmomi/govc/flags"
"github.com/vmware/govmomi/license"
)

type decode struct {
*flags.ClientFlag
*flags.OutputFlag

feature string
}

func init() {
cli.Register("license.decode", &decode{})
}

func (cmd *decode) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)
    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)
    f.StringVar(&cmd.feature, "feature", "", featureUsage)
}

func (cmd *decode) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }
    return nil
}

func (cmd *decode) Usage() string {
    return "KEY..."
}

func (cmd *decode) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()    
    if err != nil {
        return err
    }
}
var result license.InfoList
m := license.NewManager(client)
for _, v := range f.Args() {
    license, err := m.Decode(ctx, v)
    if err != nil {
        return err
    }
    result = append(result, license)
}

if cmd.feature != "" {
    result = result.WithFeature(cmd.feature)
}

return cmd.WriteResult(licenseOutput(result))

# People who can (and typically have) contributed to this repository.
#
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#

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*/

package license

import (
    "context"
    "strconv"
    "strings"
    "github.com/vmware/govmomi/object"
    "github.com/vmware/govmomi/vim25"
    "github.com/vmware/govmomi/vim25/methods"
    "github.com/vmware/govmomi/vim25/mo"
    "github.com/vmware/govmomi/vim25/types"
)

type Manager struct {
    object.Common
}

func NewManager(c *vim25.Client) *Manager {
    m := Manager{
        object.NewCommon(c, *c.ServiceContent.LicenseManager),
    }
    return &m
}

func mapToKeyValueSlice(m map[string]string) []types.KeyValue {
    var r []types.KeyValue
    for k, v := range m {
        r = append(r, types.KeyValue{Key: k, Value: v})
    }
    return r
}

func (m Manager) Add(ctx context.Context, key string, labels map[string]string)
Open Source Used In MSX Platform Infrastructure 4.1.0 20638
if err != nil {
    return types.LicenseManagerLicenseInfo{}, err
}

return res.Returnval, nil
}

func (m Manager) List(ctx context.Context) (InfoList, error) {
    var mlm mo.LicenseManager

    err := m.Properties(ctx, m.Reference(), []string{"licenses"}, &mlm)
    if err != nil {
        return nil, err
    }

    return InfoList(mlm.Licenses), nil
}

func (m Manager) AssignmentManager(ctx context.Context) (*AssignmentManager, error) {
    var mlm mo.LicenseManager

    err := m.Properties(ctx, m.Reference(), []string{"licenseAssignmentManager"}, &mlm)
    if err != nil {
        return nil, err
    }

    if mlm.LicenseAssignmentManager == nil {
        return nil, object.ErrNotSupported
    }

    am := AssignmentManager{
        object.NewCommon(m.Client(), *mlm.LicenseAssignmentManager),
    }

    return &am, nil
}

type licenseFeature struct {
    name  string
    level int
}

func parseLicenseFeature(feature string) *licenseFeature {
    lf := new(licenseFeature)
    f := strings.Split(feature, ":")

    lf.name = f[0]

    return lf
}
if len(f) > 1 {
    var err error
    lf.level, err = strconv.Atoi(f[1])
    if err != nil {
        lf.name = feature
    }
}

return lf

func HasFeature(license types.LicenseManagerLicenseInfo, key string) bool {
    feature := parseLicenseFeature(key)

    for _, p := range license.Properties {
        if p.Key != "feature" {
            continue
        }

        kv, ok := p.Value.(types.KeyValue)
        if !ok {
            continue
        }

        lf := parseLicenseFeature(kv.Key)

        if lf.name == feature.name && lf.level >= feature.level {
            return true
        }
    }

    return false
}

// InfoList provides helper methods for []types.LicenseManagerLicenseInfo
type InfoList []types.LicenseManagerLicenseInfo

func (l InfoList) WithFeature(key string) InfoList {
    var result InfoList

    for _, license := range l {
        if HasFeature(license, key) {
            result = append(result, license)
        }
    }

    return result
}
return result
}
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*/

package license

import (
    "context"
    "flag"
    "github.com/vmware/govmomi/govc/cli"
    "github.com/vmware/govmomi/govc/flags"
    "github.com/vmware/govmomi/license"
)

type remove struct {
    *flags.ClientFlag
    *flags.OutputFlag
}

func init() {
    cli.Register("license.remove", &remove{}
    )
}

func (cmd *remove) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)
    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)
}

func (cmd *remove) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {

func (cmd *remove) Usage() string {
    return "KEY..."
}

func (cmd *remove) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }

    m := license.NewManager(client)
    for _, v := range f.Args() {
        err = m.Remove(ctx, v)
        if err != nil {
            return err
        }
    }

    return nil
}

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*/

package license

import (
    "context"
)
type assigned struct {
    *flags.ClientFlag
    *flags.OutputFlag
    id string
}

func init() {
    cli.Register("license.assigned.ls", &assigned{})
}

func (cmd *assigned) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)
    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)
    f.StringVar(&cmd.id, "id", "", "Entity ID")
}

func (cmd *assigned) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }
    return nil
}

func (cmd *assigned) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }
}
m, err := license.NewManager(client).AssignmentManager(ctx)
if err != nil {
    return err
}

assigned, err := m.QueryAssigned(ctx, cmd.id)
if err != nil {
    return err
}
return cmd.WriteResult(assignedOutput(assigned))

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func (res assignedOutput) Write(w io.Writer) error {
    tw := tabwriter.NewWriter(os.Stdout, 4, 0, 2, ' ', 0)
    fmt.Fprintf(tw, "Id:	Scope:	Name:	License:
")
    for _, v := range res {
        fmt.Fprintf(tw, "%s	", v.EntityId)
        fmt.Fprintf(tw, "%s	", v.Scope)
        fmt.Fprintf(tw, "%s	", v.EntityDisplayName)
        fmt.Fprintf(tw, "%s	", v.AssignedLicense.LicenseKey)
        fmt.Fprintf(tw, "\n")
    }
    return tw.Flush()
}
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*/

package license

import (
    "fmt"
    "io"
    "os"
    "text/tabwriter"

    "github.com/vmware/govmomi/vim25/types"
)

type licenseOutput []types.LicenseManagerLicenseInfo
func (res licenseOutput) Write(w io.Writer) error {
    tw := tabwriter.NewWriter(os.Stdout, 4, 0, 2, ' ', 0)
    fmt.Fprintf(tw, "Key:	Edition:	Used:	Total:\n")
    for _, v := range res {
        fmt.Fprintf(tw, "%s	", v.LicenseKey)
        fmt.Fprintf(tw, "%s	", v.EditionKey)
        fmt.Fprintf(tw, "%d	", v.Used)
        fmt.Fprintf(tw, "%d	", v.Total)
        fmt.Fprintf(tw, "\n")
    }
    return tw.Flush()
}

#!/usr/bin/env bats
load test_helper

# These tests should only run against a server running an evaluation license.
verify_evaluation() {
    if [ "$(govc license.ls -json | jq -r .[0].EditionKey)" != "eval" ]; then
        skip "requires evaluation license"
    fi
}

get_key() {
    jq ".[1] | select(.LicenseKey == "$1")"
}

get_property() {
    jq -r ".Properties[] | select(.Key == "$1") | .Value"
}

@test "license.add" {
    esx_env
    verify_evaluation
    run govc license.add -json 00000-00000-00000-00000-00000-00000-00000-00000-00002
    assert_success

    # Expect to see an entry for both the first and the second key
    assert_equal "License is not valid for this product" "$(get_key 00000-00000-00000-00000-00000-00000-00000-00000-00001 <<<${output}) | get_property diagnostic"
    assert_equal "License is not valid for this product" "$(get_key 00000-00000-00000-00000-00000-00000-00000-00000-00002 <<<${output}) | get_property diagnostic"
}

@test "license.remove" {
    esx_env

verify_evaluation

run govc license.remove -json 00000-00000-00000-00000-00001
assert_success
}

@test "license.ls" {
vcsim_env

verify_evaluation

run govc license.ls -json
assert_success

# Expect the test instance to run in evaluation mode
assert_equal "Evaluation Mode" "$(get_key 00000-00000-00000-00000-00000 <<<$output | jq -r ".Name")"
}

@test "license.decode" {
esx_env

verify_evaluation

key=00000-00000-00000-00000-00000
assert_equal "eval" $(govc license.decode $key | grep $key | awk '{print $2}')
}

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    "context"
    "github.com/vmware/govmomi/object"
    "github.com/vmware/govmomi/vim25/methods"
    "github.com/vmware/govmomi/vim25/types"
)

type AssignmentManager struct {
    object.Common
}

func (m AssignmentManager) QueryAssigned(ctx context.Context, id string) ([]types.LicenseAssignmentManagerLicenseAssignment, error) {

req := types.QueryAssignedLicenses{
    This:     m.Reference(),
    EntityId: id,
}

res, err := methods.QueryAssignedLicenses(ctx, m.Client(), &req)
if err != nil {
    return nil, err
}

return res.Returnval, nil

func (m AssignmentManager) Remove(ctx context.Context, id string) error {
    req := types.RemoveAssignedLicense{
        This:     m.Reference(),
        EntityId: id,
    }

    _, err := methods.RemoveAssignedLicense(ctx, m.Client(), &req)

    return err
}

func (m AssignmentManager) Update(ctx context.Context, id string, key string, name string) (*types.LicenseManagerLicenseInfo, error) {
    req := types.UpdateAssignedLicense{
        This:              m.Reference(),
        Entity:            id,
        LicenseKey:        key,
        EntityDisplayName: name,
    }

    res, err := methods.UpdateAssignedLicense(ctx, m.Client(), &req)
    if err != nil {
        return nil, err
    }

    return &res.Returnval, nil
}

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1.2676 joi 6.10.1

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1.2677 jackson-jaxrs 2.10.5

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1.2688 babel-helper-builder-react-jsx 6.26.0

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* /opt/cola/permits/1110639221_1606842346.93/0/fis-components-core-util-is-1-0-2-0-gb94b22f-tar-gz/fis-
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1.2695 json-schema 0.2.3
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To use the validator call the validate function with an instance object and an optional schema object. If a schema is provided, it will be used to validate. If the instance object refers to a schema (self-validating), that schema will be used to validate and the schema parameter is not necessary (if both exist, both validations will occur). The validate method will return an array of validation errors. If there are no errors, then an empty list will be returned. A validation error will have two properties:
"property" which indicates which property had the error
"message" which indicates what the error was
*/

Found in path(s):
* /opt/cola/permits/1173677558_1623725378.39/0/kriszyp-json-schema-v0-2-3-0-g07ae2c6-1-tar-gz/kriszyp-json-
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1.2696 pkg-sftp v1.11.0

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1.2697 nghttp 1.18.1 1

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set yrange [0:]
set terminal pngcairo font 'Sans, 8' lw 1 size 1400,1024
set xtics rotate by -45
set style histogram errorbars gap 2 lw 1
set style fill solid border -1
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1.2698 hapi-auth-cookie 9.1.0

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1.2699 openssl 1.0.2r-r0

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```java
public class PermissionCollection {
    public PermissionCollection(String name) {
        // Constructor implementation
    }

    public PermissionCollection(String name, String[] actions) {
        // Constructor implementation
    }

    // Getter and Setter methods
}
```

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<product name="Product With License" uid="licenseIU.product" useFeatures="false" includeLaunchers="true">
  <configIni use="default"/>
</product>

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</launchArgs>

<launch>
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JUnit

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java/lang/Object(Ljava/lang/String;)Vequals
implies&()Ljava/security/PermissionCollection;
getActionshashCodeNewPermissionCollection(Ljava/lang/String;getName(Ljava/lang/Object;)Zjava/security/Guard
toStringjava/security/Permissionjava/io/Serializable
checkGuard(Ljava/lang/Object;)V(Ljava/security/Permission;)Z!

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* http://git.eclipse.org/c/pde/eclipse.pde.ui.git
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```java
private final class Guard extends PermissionCollection {
    private final String className;

    public Guard(String className) {
        this.className = className;
    }

    public void checkGuard(String name) {
        // Implementation...
    }

    // Other methods...
}
```

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1.2710 flutter 2.1.2

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import 'dart:async';
import 'dart:io';
import 'package:flutter_driver/flutter_driver.dart';
import 'package:path/path.dart' as path;
import 'package:test/test.dart' hide TypeMatcher, isInstanceOf;
import 'package:vm_service_client/vm_service_client.dart';

// Connect and disconnect from the empty app.
void main() {
  // Load the license file from disk to compare it with the one in the app.
  final File licenseFile = File(path.join('..', '..', '..', 'packages', 'flutter', 'LICENSE'));
  if (!licenseFile.existsSync()) {
    print('Test failed. Unable to find LICENSE file at ${licenseFile.path}');
    exit(-1);
  }
  final RegExp newlineSplit = RegExp(r'\s+');
  final String license = licenseFile.readAsStringSync().split(newlineSplit).join(' ').trim();

  group('License file check', () {
    FlutterDriver driver;
    IsolatesWorkaround workaround;

    setUpAll(async {
      driver = await FlutterDriver.connect();
      workaround = IsolatesWorkaround(driver);
      await workaround.resumeIsolates();
      await driver.waitUntilFirstFrameRasterized();
    });

    tearDownAll(async {
      if (driver != null) {
        await driver.close();
        await workaround.tearDown();
      }
    });
  });
}
test('flutter license', () async {
  await driver.waitFor(find.byValueKey('Header'));
  final String foundPackage = await driver.getText(find.byValueKey('FlutterPackage'));
  final String foundLicense = await driver.getText(find.byValueKey('FlutterLicense'));
  expect(foundPackage, equals('flutter'));
  expect(foundLicense, equals(license));
});

test('engine license', () async {
  await driver.waitFor(find.byValueKey('Header'));
  final String foundPackage = await driver.getText(find.byValueKey('EnginePackage'));
  final String foundLicense = await driver.getText(find.byValueKey('EngineLicense'));
  expect(foundPackage, equals('engine'));
  // The engine has the same license, but with a different Copyright date.
  expect(foundLicense, contains(license.replaceFirst('2014', '2013')));
});

// Workaround for isolates being paused by driver tests.
// https://github.com/flutter/flutter/issues/24703
class IsolatesWorkaround {
  IsolatesWorkaround(this._driver);

  final FlutterDriver _driver;
  StreamSubscription<VMIsolateRef> _streamSubscription;

  Future<void> resumeIsolates() async {
    final VM vm = await _driver.serviceClient.getVM();
    // Resume any paused isolate
    for (final VMIsolateRef isolateRef in vm.isolates) {
      final VMIsolate isolate = await isolateRef.load();
      if (isolate.isPaused) {
        isolate.resume();
      }
    }
    if (_streamSubscription != null) {
      return;
    }
    _streamSubscription = _driver.serviceClient.onIsolateRunnable
      .asBroadcastStream()
      .listen((VMIsolateRef isolateRef) async {
        final VMIsolate isolate = await isolateRef.load();
        if (isolate.isPaused) {
          isolate.resume();
        }
      });
  }
}
Future<void> tearDown() async {
  if (_streamSubscription != null) {
    await _streamSubscription.cancel();
  }
}

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import 'package:flutter/foundation.dart';
import 'package:flutter/material.dart';
import 'package:flutter_driver/driver_extension.dart';

/// This application does nothing but show a screen with the flutter package
/// license in it.
void main() {
  enableFlutterDriverExtension();
  runApp(ShowLicenses());
}

class ShowLicenses extends StatelessWidget {
  Widget _buildTestResultWidget(
   BuildContext context,
    AsyncSnapshot<List<LicenseEntry>> snapshot,
  ) {
    final List<LicenseEntry> entries = snapshot.data;
    String flutterPackage = "";
    final List<String> flutterParagraphs = <String>[
    String enginePackage = "";
    final List<String> engineParagraphs = <String>[
    for (final LicenseEntry entry in entries) {
      if (entry.packages.contains('flutter')) {
        flutterPackage = 'flutter';
        flutterParagraphs.addAll(
          entry.paragraphs.map<String>((LicenseParagraph para) => para.text),
        );
      }
      if (entry.packages.contains('engine')) {
        enginePackage = 'engine';
        engineParagraphs.addAll(
          entry.paragraphs.map<String>((LicenseParagraph para) => para.text),
        );
      }
    }
  }
}

// This application does nothing but show a screen with the flutter package
// license in it.
void main() {
  enableFlutterDriverExtension();
  runApp(ShowLicenses());
}
final List<Widget> result = <Widget>[
  if (entries.isNotEmpty) {
    result.addAll(<Widget>[
      const Text('License Check Test', key: ValueKey<String>('Header')),
      Text(flutterPackage, key: const ValueKey<String>('FlutterPackage')),
      Text(flutterParagraphs.join(' '), key: const ValueKey<String>('FlutterLicense')),
      Text('${flutterParagraphs.length}', key: const ValueKey<String>('FlutterCount')),
      Text(enginePackage, key: const ValueKey<String>('EnginePackage')),
      Text(engineParagraphs.join(' '), key: const ValueKey<String>('EngineLicense')),
      Text('${engineParagraphs.length}', key: const ValueKey<String>('EngineCount')),
    ]);}

  return ListView(
    children: result,
  );
}]

@override
Widget build(BuildContext context) {
  return MaterialApp(
    home: Scaffold(
      body: FutureBuilder<List<LicenseEntry>>(
        initialData: const <LicenseEntry>[],
        builder: _buildTestResultWidget,
        future: LicenseRegistry.licenses.toList(),
      ),
    ),
  );
}

TODO: Add your license here.

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// @dart = 2.8

import 'dart:async';

import 'package:meta/meta.dart' show visibleForTesting;

/// Signature for callbacks passed to [LicenseRegistry.addLicense].
typedef LicenseEntryCollector = Stream<LicenseEntry> Function();

/// A string that represents one paragraph in a [LicenseEntry].
///
/// See [LicenseEntry.paragraphs].
class LicenseParagraph {
  /// Creates a string for a license entry paragraph.
  const LicenseParagraph(this.text, this.indent);

  /// The text of the paragraph. Should not have any leading or trailing whitespace.
  final String text;

  /// How many steps of indentation the paragraph has.
  ///
  /// * 0 means the paragraph is not indented.
  /// * 1 means the paragraph is indented one unit of indentation.
  /// * 2 means the paragraph is indented two units of indentation.
  ///
  /// ...and so forth.
  ///
  /// In addition, the special value [centeredIndent] can be used to indicate
  /// that rather than being indented, the paragraph is centered.
  final int indent; // can be set to centeredIndent

  /// A constant that represents "centered" alignment for [indent].
  static const int centeredIndent = -1;
}
/// A license that covers part of the application's software or assets, to show
/// in an interface such as the [LicensePage].
///
/// For optimal performance, [LicenseEntry] objects should only be created on
/// demand in [LicenseEntryCollector] callbacks passed to
/// [LicenseRegistry.addLicense].
abstract class LicenseEntry {
  // Abstract const constructor. This constructor enables subclasses to provide
  // const constructors so that they can be used in const expressions.
  const LicenseEntry();

  /// The names of the packages that this license entry applies to.
  Iterable<String> get packages;

  /// The paragraphs of the license, each as a [LicenseParagraph] consisting of
  /// a string and some formatting information. Paragraphs can include newline
  /// characters, but this is discouraged as it results in ugliness.
  Iterable<LicenseParagraph> get paragraphs;
}

directive _LicenseEntryWithLineBreaksParserState {
  beforeParagraph,
  inParagraph,
}

/// Variant of [LicenseEntry] for licenses that separate paragraphs with blank
/// lines and that hard-wrap text within paragraphs. Lines that begin with one
/// or more space characters are also assumed to introduce new paragraphs,
/// unless they start with the same number of spaces as the previous line, in
/// which case it's assumed they are a continuation of an indented paragraph.
///
/// [tool snippet]
///
/// For example, the BSD license in this format could be encoded as follows:
///
/// ```dart
/// void initMyLibrary() {
///   LicenseRegistry.addLicense(() async* {
///     yield LicenseEntryWithLineBreaks(<String>['my_library'],
///       'Copyright 2016 The Sample Authors. All rights reserved.
///       Redistribution and use in source and binary forms, with or without
///       modification, are permitted provided that the following conditions are
///       met:
///       * Redistributions of source code must retain the above copyright
///       notice, this list of conditions and the following disclaimer.
///       * Redistributions in binary form must reproduce the above
```
/// copyright notice, this list of conditions and the following disclaimer
/// in the documentation and/or other materials provided with the
/// distribution.
/// * Neither the name of Example Inc. nor the names of its
/// contributors may be used to endorse or promote products derived from
/// this software without specific prior written permission.
///
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/// THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
/// (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE
/// OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE."};
///
/// This would result in a license with six [paragraphs], the third, fourth, and
/// fifth being indented one level.
///
/// ## Performance considerations
///
/// Computing the paragraphs is relatively expensive. Doing the work for one
/// license per frame is reasonable; doing more at the same time is ill-advised.
/// Consider doing all the work at once using [compute] to move the work to
/// another thread, or spreading the work across multiple frames using
/// [SchedulerBinding.scheduleTask].

class LicenseEntryWithLineBreaks extends LicenseEntry {
  const LicenseEntryWithLineBreaks(this.packages, this.text);

  @override
  final List<String> packages;

  /// The text of the license.
  ///
  /// The text will be split into paragraphs according to the following
  /// conventions:
  ///
  /// * Lines starting with a different number of space characters than the
@override
Iterable<LicenseParagraph> get paragraphs sync* {  
  int lineStart = 0;
  int currentPosition = 0;
  int lastLineIndent = 0;
  int currentLineIndent = 0;
  int currentParagraphIndentation;
  _LicenseEntryWithLineBreaksParserState state = _LicenseEntryWithLineBreaksParserState.beforeParagraph;
  final List<String> lines = <String>[ ];

  void addLine() {
    assert(lineStart < currentPosition);
    lines.add(text.substring(lineStart, currentPosition));
  }

  LicenseParagraph getParagraph() {
    assert(lines.isNotEmpty);
    assert(currentParagraphIndentation != null);
    final LicenseParagraph result = LicenseParagraph(lines.join(" "), currentParagraphIndentation);
    assert(result.text.trimLeft() == result.text);
    assert(result.text.isNotEmpty);
    lines.clear();
    return result;
  }

  while (currentPosition < text.length) {
    switch (state) {
      case _LicenseEntryWithLineBreaksParserState.beforeParagraph:
        assert(lineStart == currentPosition);
        switch (text[currentPosition]) {
          case ":
            lineStart = currentPosition + 1;
            currentLineIndent += 1;
            state = _LicenseEntryWithLineBreaksParserState.beforeParagraph;
            break;
          case ":
            lineStart = currentPosition + 1;
            currentLineIndent += 8;
            state = _LicenseEntryWithLineBreaksParserState.beforeParagraph;
            break;
        }
    }
  }
}
break;
case 'v':
case 'w':
case 'd':
if (lines.isNotEmpty) {
    yield getParagraph();
}
if (text[currentPosition] == 'v' && currentPosition < text.length - 1
    && text[currentPosition + 1] == 'w') {
    currentPosition += 1;
}
lastLineIndent = 0;
currentLineIndent = 0;
currentParagraphIndentation = null;
lineStart = currentPosition + 1;
state = _LicenseEntryWithLineBreaksParserState.beforeParagraph;
break;
case 'f':
// This is a bit of a hack for the LGPL 2.1, which does something like this:
//
// [this is a
// single paragraph]
//
// ...near the top.
currentLineIndent += 1;
continue startParagraph;
startParagraph:
default:
if (lines.isNotEmpty && currentLineIndent > lastLineIndent) {
    yield getParagraph();
    currentParagraphIndentation = null;
}
// The following is a wild heuristic for guessing the indentation level.
// It happens to work for common variants of the BSD and LGPL licenses.
if (currentParagraphIndentation == null) {
    if (currentLineIndent > 10)
        currentParagraphIndentation = LicenseParagraph.centeredIndent;
    else
        currentParagraphIndentation = currentLineIndent ~/ 3;
}
state = _LicenseEntryWithLineBreaksParserState.inParagraph;
break;
case _LicenseEntryWithLineBreaksParserState.inParagraph:
switch (text[currentPosition]) {
case 'n':
    addLine();
    lastLineIndent = currentLineIndent;
currentLineIndent = 0;
lineStart = currentPosition + 1;
state = _LicenseEntryWithLineBreaksParserState.beforeParagraph;
break;
case ' ':
    addLine();
yield getParagraph();
lastLineIndent = 0;
currentLineIndent = 0;
currentParagraphIndentation = null;
lineStart = currentPosition + 1;
state = _LicenseEntryWithLineBreaksParserState.beforeParagraph;
break;
default:
    state = _LicenseEntryWithLineBreaksParserState.inParagraph;
    break;
}
currentPosition += 1;
}
switch (state) {
    case _LicenseEntryWithLineBreaksParserState.beforeParagraph:
        if (lines.isNotEmpty) {
            yield getParagraph();
        }
        break;
    case _LicenseEntryWithLineBreaksParserState.inParagraph:
        addLine();
        yield getParagraph();
        break;
}

/// A registry for packages to add licenses to, so that they can be displayed
/// together in an interface such as the [LicensePage].
///
/// Packages can register their licenses using [addLicense]. User interfaces
/// that wish to show all the licenses can obtain them by calling [licenses].
///
/// The flutter tool will automatically collect the contents of all the LICENSE
/// files found at the root of each package into a single LICENSE file in the
/// default asset bundle. Each license in that file is separated from the next
/// by a line of eighty hyphens (`-`), and begins with a list of package names
/// that the license applies to, one to a line, separated from the next by a
/// blank line. The `services` package registers a license collector that splits
/// that file and adds each entry to the registry.
/// The LICENSE files in each package can either consist of a single license, or
/// can be in the format described above. In the latter case, each component
/// license and list of package names is merged independently.
///
/// See also:
///
/// * [showAboutDialog], which shows a Material-style dialog with information
///   about the application, including a button that shows a [LicensePage] that
///   uses this API to select licenses to show.
/// * [AboutListTile], which is a widget that can be added to a [Drawer]. When
///   tapped it calls [showAboutDialog].

class LicenseRegistry {
  // This class is not meant to be instantiated or extended; this constructor
  // prevents instantiation and extension.
  // ignore: unused_element
  LicenseRegistry._();

  static List<LicenseEntryCollector> _collectors;

  /// Adds licenses to the registry.
  ///
  /// To avoid actually manipulating the licenses unless strictly necessary,
  /// licenses are added by adding a closure that returns a list of
  /// [LicenseEntry] objects. The closure is only called if [licenses] is itself
  /// called; in normal operation, if the user does not request to see the
  /// licenses, the closure will not be called.
  static void addLicense(LicenseEntryCollector collector) {
    _collectors ??= <LicenseEntryCollector>();
    _collectors.add(collector);
  }

  /// Returns the licenses that have been registered.
  ///
  /// Generating the list of licenses is expensive.
  static Stream<LicenseEntry> get licenses async* {
    if (_collectors == null)
      return;
    for (final LicenseEntryCollector collector in _collectors)
      yield* collector();
  }

  /// Resets the internal state of [LicenseRegistry]. Intended for use in
  /// testing.
  @visibleForTesting
  static void reset() {
    _collectors = null;
  }
}
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import 'package:file/memory.dart';
import 'package:flutter_tools/src/asset.dart';
import 'package:flutter_tools/src/base/file_system.dart';
import 'package:flutter_tools/src/convert.dart';
import 'package:package_config/package_config.dart';
import 'package:package_config/package_config_types.dart';

import '../src/common.dart';

const String _kMitLicense = r'''
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LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE
SOFTWARE.
'''
;

const String _kApacheLicense = r'''
Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

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void main() {
  FileSystem fileSystem;
  LicenseCollector licenseCollector;

  setUp() {
    fileSystem = MemoryFileSystem.test();
    licenseCollector = LicenseCollector(fileSystem: fileSystem);
  }

  testWithoutContext('processes dependent licenses according to instructions', () async {
    fileSystem.file('foo/NOTICES')
      ..createSync(recursive: true)
      ..writeAsStringSync(_kMitLicense);
    fileSystem.file('bar/NOTICES')
      ..createSync(recursive: true)
      ..writeAsStringSync(_kApacheLicense);
    // NOTICES is preferred over LICENSE
    fileSystem.file('bar/LICENSE')
      ..createSync(recursive: true)
      ..writeAsStringSync('SHOULD NOT BE INCLUDED');
    fileSystem.file('fizz/LICENSE')
      ..createSync(recursive: true)
      ..writeAsStringSync(_kMitLicense); // intentionally a duplicate

    final File packageConfigFile = fileSystem.file('package_config.json')
      ..writeAsStringSync(json.encode(
      <String, Object>[
        'configVersion': 2,
        'packages': <Object>[
          <String, Object>[
            'name': 'foo',
            'rootUri': 'file:///foo/',
            'packageUri': 'lib/',
            'languageVersion': '2.2'
          ],
          <String, Object>[
            'name': 'bar',
            'rootUri': 'file:///bar/',
            'packageUri': 'lib/',
            'languageVersion': '2.2'
          ],
          <String, Object>[
            'name': 'fizz',
            'rootUri': 'file:///fizz/',
            'packageUri': 'lib/',
            'languageVersion': '2.2'
          ]
        ]
      ));
  });
final PackageConfig packageConfig = await loadPackageConfig(packageConfigFile.absolute);
final LicenseResult result = licenseCollector.obtainLicenses(packageConfig);

// All included licenses are combined in the result.
expect(result.combinedLicenses, contains(_kApacheLicense));
expect(result.combinedLicenses, contains(_kMitLicense));

// String from LICENSE file was not included when NOTICES exists.
expect(result.combinedLicenses, isNot(contains('SHOULD NOT BE INCLUDED')));

// Licenses are de-duplicated correctly.
expect(result.combinedLicenses.split(LicenseCollector.licenseSeparator), hasLength(2));

// All input licenses included in result.
final Iterable<String> filePaths = result.dependencies.map((File file) => file.path);
expect(filePaths, unorderedEquals(<String>
  ['/foo/NOTICES','
   '/bar/NOTICES','
   '/fizz/LICENSE'
  ]));
}

1.2711 jackson-module-afterburner 2.9.10
1.2711.1 Available under license :

# Jackson JSON processor

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

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1.2712 ansi-regex 3.0.0

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1.2713 unist-util-is 2.1.1

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1.2714 hppc 0.7.1

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1.2716 react-draggable 3.0.5

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1.2718 babel-messages 6.23.0

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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1032656170_1594238129.34/0/slf4j-log4j12-1-7-25-sources-1-
  jar/org/slf4j/impl/Log4jMDCAdapter.java
* /opt/ws_local/PERMITS_SQL/1032656170_1594238129.34/0/slf4j-log4j12-1-7-25-sources-1-
  jar/org/slf4j/impl/Log4jLoggerAdapter.java
* /opt/ws_local/PERMITS_SQL/1032656170_1594238129.34/0/slf4j-log4j12-1-7-25-sources-1-
  jar/org/slf4j/impl/StaticMDCBinder.java
* /opt/ws_local/PERMITS_SQL/1032656170_1594238129.34/0/slf4j-log4j12-1-7-25-sources-1-
  jar/org/slf4j/impl/StaticLoggerBinder.java
* /opt/ws_local/PERMITS_SQL/1032656170_1594238129.34/0/slf4j-log4j12-1-7-25-sources-1-
  jar/org/slf4j/impl/StaticMarkerBinder.java

1.2723 logstash-input-file 4.1.17

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tmac/doc-ditroff
tmac/doc-nroff
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tmac/groff_mdoc.man

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tmac/e.tmac
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doc/meintro.me
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---------------------

The file `tmac/hyphen.us' is identical to the file `hyphen.tex', part of the TeX system written by Donald E. Knuth; the master file can be found at

ftp://labrea.stanford.edu/pub/tex/dist/lib/hyphen.tex

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1.2736 logstash-output-rabbitmq 5.1.1

1.2736.1 Available under license:

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* Joo Duarte (jsvd)
* Kurt Hurtado (kurtado)
* Marc Fournier (mfournier)
* Mathieu MILLET (htam-net)
* Michael Klishin (michaelklishin)
* Michael Zaccari (mzaccari)
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1.2737 libxi 1.7.10-r0

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```
# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=6
pkgdesc="A library for high-performance 2D graphics"
url="https://www.levien.com/libart/
arch="all"
options="!check"  # No test suite.
license="LGPL-2.0-or-later"
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2

build="$srcdir/libart_lgpl-$pkgver"

prepare() {
  update_config_sub
  default_prepare
}

build() {
  ./configure \
  --build=$CBUILD \
  --host=$CHOST \
  --prefix=/usr
  make
}

package() {
  make DESTDIR="$pkgdir" install
}

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e7
6654309e001aee9bace727b5b4c8589405256a3c020 libart_lgpl-2.3.21.tar.bz2"
# Contributor: Fabian Affolter <fabian@affolter-engineering.ch>
# Maintainer: Fabian Affolter <fabian@affolter-engineering.ch>
pkgname=py3-flake8-copyright
  _pkgname=flake8-copyright
  pkgver=0.2.2
  pkgrel=1
  pkgdesc="Extension for flake8 which checks for copyrights"
  options="!check"  # No test suite
  url="https://github.com/savoirfairelinuxflake8-copyright"
```
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# Automatically generated by apkbuild-cpan, template 1
# Contributor: Valery Kartel <valery.kartel@gmail.com>
# Maintainer: Valery Kartel <valery.kartel@gmail.com>
pkgnane=perl-bsd-resource
_pkgreal=BSD-Resource
pkgver=1.2911
pkgrel=4
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource"
arch="all"
license="GPL-1.0-or-later OR Artistic-1.0-Perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/$_pkgreal-$pkgver.tar.gz"

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

prepare() {
  default_prepare

  export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
  PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}
build() {
export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
make
}

cHECK() {
make test
}

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

sha512sums="d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daeda53bd15fb6561a3d0f828df16
dfa517f663b8065baa5f4ea16dc926729b3b6b85  BSD-Resource-1.2911.tar.gz"

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Version 3, 19 November 2007

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mini_sendmail - accept email on behalf of real sendmail

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pkgname=spdx-licenses
pkgver=3.8
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="$pkgname"
  mkdir -p "$subpkgdir/usr/share/spdx"
cp -r "$builddir/$type"/"usr/share/spdx/
}

list() {

}
pkgdesc="spkgdesc (licences 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="0950540df050fb7f7ce92f5ad1b756725e233d701f0c5b2fc5bfa85dae65bba3400de77de78b4b1d8a41deab4e461a5f1018f4869d9f3e0428a5a64c32c01c60 license-list-data-3.8.tar.gz"

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**1.2764 node-mime-types 2.1.28-1**

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1.2766 go-redis-redis 6.12.0

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1.2769 json-simple 1.1.1
1.2770 turf-difference 3.0.12

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1.2772 apollo-link-http 1.5.4

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bzip2/libbzip2 version 1.0.6 of 6 September 2010

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

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

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```
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DRuntime: Runtime Library for the D Programming Language

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   [applies only to hppa*-.*-pro* targets]

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1.2775 apollo-link 1.2.3

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1.2776 python 2.7.5-90.el7
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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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Version 3, 29 June 2007
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1.2778 clipboard 1.7.1

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Gocheck - A rich testing framework for Go

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1.2784 azure-pipeline-go v0.2.2

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import: ../../fossene/db/schema/thing.yml

fields:
  site: string
  author: root

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components (compiler, kernel, and so on) of the operating system on
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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, decestation, rs6000, and hp300hpux host
ports, updated "know" assertions and made them work, much other
reorganization, cleanup, and lint.

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

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

The Intel 80386 machine description was written by Eliot Dresselhaus.

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

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

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

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

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

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT
syntaxes for the 68k, completed support for some COFF targets (68k,
386 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 Echin 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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Transformations on dictionary words.
*/

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Bit reading helpers
*/

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Lookup tables to map prefix codes to value ranges. This is used during
decoding of the block lengths, literal insertion lengths and copy lengths.
*/

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Lookup table to map the previous two bytes to a context id.

There are four different context modeling modes defined here:
CONTEXT_LSB6: context id is the least significant 6 bits of the last byte,
CONTEXT_MSB6: context id is the most significant 6 bits of the last byte,
CONTEXT_UTF8: second-order context model tuned for UTF8-encoded text,
CONTEXT_SIGNED: second-order context model tuned for signed integers.

The context id for the UTF8 context model is calculated as follows. If p1
and p2 are the previous two bytes, we calculate the context as

context = kContextLookup[p1] | kContextLookup[p2 + 256].

If the previous two bytes are ASCII characters (i.e. < 128), this will be
equivalent to

context = 4 * context1(p1) + context2(p2),
where context1 is based on the previous byte in the following way:

0 : non-ASCII control
1 : \t, \n, \r
2 : space
3 : other punctuation
4 : " '
5 : %
6 : ( < [ { 
7 : ) } ] }
8 : , ; :
9 : .
10 : =
11 : number
12 : upper-case vowel
13 : upper-case consonant
14 : lower-case vowel
15 : lower-case consonant

and context2 is based on the second last byte:

0 : control, space
1 : punctuation
2 : upper-case letter, number
3 : lower-case letter

If the last byte is ASCII, and the second last byte is not (in a valid UTF8 stream it will be a continuation byte, value between 128 and 191), the context is the same as if the second last byte was an ASCII control or space.

If the last byte is a UTF8 lead byte (value >= 192), then the next byte will be a continuation byte and the context id is 2 or 3 depending on the LSB of the last byte and to a lesser extent on the second last byte if it is ASCII.

If the last byte is a UTF8 continuation byte, the second last byte can be:
- continuation byte: the next byte is probably ASCII or lead byte (assuming 4-byte UTF8 characters are rare) and the context id is 0 or 1.
- lead byte (192 - 207): next byte is ASCII or lead byte, context is 0 or 1
- lead byte (208 - 255): next byte is continuation byte, context is 2 or 3

The possible value combinations of the previous two bytes, the range of context ids and the type of the next byte is summarized in the table below:

<table>
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<tr>
<td></td>
</tr>
</tbody>
</table>
The context id for the signed context mode is calculated as:

\[
\text{context} = (\text{kContextLookup}[512 + p1] \ll 3) \mid \text{kContextLookup}[512 + p2].
\]

For any context modeling modes, the context ids can be calculated by \(|\)-ing together two lookups from one table using context model dependent offsets:

\[
\text{context} = \text{kContextLookup}[\text{offset1} + p1] \mid \text{kContextLookup}[\text{offset2} + p2].
\]

where offset1 and offset2 are dependent on the context mode.

*/

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1.2809 uri-js 4.4.0

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Chad Walters <chad@powerset.com>
-TJSONProtocol for C++ and Java

Nitay <nitayj@gmail.com>
-Support for "make check"

William Morgan <w@adap.tv>
-Miscellaneous Ruby improvements

Ben Maurer <bmaurer@andrew.cmu.edu>
-Restructuring the way Autoconf is used

Patrick Collison <patrick@collison.ie>
-Smalltalk bindings

Dave Simpson <dave@powerset.com>
-Better support for connection tracking in the C++ server
-Miscellaneous fixes

Igor Afanasyev <afan@evernote.com>
-Perl HttpClient and bugfixes

Todd Berman <tberman@imeem.com>
-MinGW port of the compiler
-C# bindings
-MS build task

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Release 20070917
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Dave Engberg <engberg@gmail.com>
-JavaBean/JavaDoc enhancements

Andrew McGeachie <geechorama@gmail.com>
-Cocoa/Objective-C support

Ben Maurer <bmaurer@andrew.cmu.edu>
-Python performance enhancements, fastbinary support

Andrew Lutomirski <sandy@luto.us>
-Added optional/required keywords for C++ objects
- Added comparison operators for C++ structs

Johan Oskarsson <johan@oksarsson.nu>
- Java findbugs compliance fixes

Paul Saab <ps@powerset.com>
- IPv6 support for TSocket in C++/Python

Kevin Clark <kevin@powerset.com>
- Significant overhaul of Ruby code generation and servers

Simon Forman <sforman@gmail.com>
- TProcessorFactory abstraction for Java servers

Jake Luciani <jakers@gmail.com>
- Perl code generation, libraries, test code

David Reiss <dreiss@stanford.edu>
- strings.h include fix for bzero
  - endianness fixes on TBinaryProtocol double serialization
  - improved ntohll, htonll implementation

Dan Li <dto@dev.java.net>
- Java TestServer and Tutorial Fixes

Kevin Ko <kevin.s.ko@gmail.com>
- Fix for unnecessary std::string copy construction in Protocol/Exception

Paul Querna <pquerna@apache.org>
- Autoconf error message fix for libevent detection
  - clock_gettime implementation for OSX

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Release 20070401
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1.2830 xml-apis 1.3.04
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1.2832 psl 1.8.0

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1.2836 babel-plugin-transform-es2015-unicode-regex 6.24.1

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1.2843 libxext 1.3.3-1.1

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1.2848 jmespath-java 1.11.406

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1.2849 babel-plugin-syntax-flow 6.18.0

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http-proxy-agent

===============
### An HTTP(s) proxy `http.Agent` implementation for HTTP
[![Build Status](https://github.com/TooTallNate/node-http-proxy-agent/workflows/Node%20CI/badge.svg)](https://github.com/TooTallNate/node-http-proxy-agent/actions?workflow=Node+CI)

This module provides an `http.Agent` implementation that connects to a specified HTTP or HTTPS proxy server, and can be used with the built-in `http` module.

__Note:__ For HTTP proxy usage with the `https` module, check out [`node-https-proxy-agent`](https://github.com/TooTallNate/node-https-proxy-agent).

Installation
------------
Install with `npm`:

```bash
$ npm install http-proxy-agent
```

Example
-------
```js
var url = require('url');
var http = require('http');
var HttpProxyAgent = require('http-proxy-agent');

// HTTP/HTTPS proxy to connect to
var proxy = process.env.http_proxy || 'http://168.63.76.32:3128';
console.log('using proxy server %j', proxy);

// HTTP endpoint for the proxy to connect to
console.log('attempting to GET %j', endpoint);
var opts = url.parse(endpoint);

var agent = new HttpProxyAgent(proxy);
opts.agent = agent;

http.get(opts, function (res) {
```
```javascript
console.log("response" event!, res.headers);
res.pipe(process.stdout);
```
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1.2890 dsnet-compress v0.0.1

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1.2892 set-value 3.0.2

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1.2893 es-to-primitive 1.1.1

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1.2894 go-jwt-middleware v1.0.0

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1.2895 geo-ip 1.6.12 1

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/**
 * Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in
 * its [@link ChannelPipeline].
 *
 * <h3>Sub-types</h3>
 * <p>
 * [@link ChannelHandler] itself does not provide many methods, but you usually have to implement one of its
 * subtypes:
 * <ul>
 * <li>[@link ChannelInboundHandler] to handle inbound I/O events, and</li>
 * <li>[@link ChannelOutboundHandler] to handle outbound I/O operations.</li>
 * </ul>
 * <p>
 * Alternatively, the following adapter classes are provided for your convenience:
 * <ul>
 * <li>[@link ChannelInboundHandlerAdapter] to handle inbound I/O events,</li>
 * <li>[@link ChannelOutboundHandlerAdapter] to handle outbound I/O operations, and</li>
 * <li>[@link ChannelDuplexHandler] to handle both inbound and outbound events</li>
 * </ul>
 * <p>
 * For more information, please refer to the documentation of each subtype.
 * <p>
 * <h3>The context object</h3>
 * <p>
A `ChannelHandler` is provided with a `ChannelHandlerContext` object. A `ChannelHandler` is supposed to interact with the `ChannelPipeline` it belongs to via a context object. Using the context object, the `ChannelHandler` can pass events upstream or downstream, modify the pipeline dynamically, or store the information (using `AttributeKey`s) which is specific to the handler.

### State management

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

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

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

    @Override
    public void channelRead0(ChannelHandlerContext ctx, Message message) {
        if (message instanceof LoginMessage) {
            authenticate((LoginMessage) message);
            loggedIn = true;
        } else if (message instanceof GetDataMessage) {
            if (loggedIn) {
                ctx.writeAndFlush(fetchSecret((GetDataMessage) message));
            } else {
                fail();
            }
        }
    }
    ...
}
```

Because the handler instance has a state variable which is dedicated to one connection, you have to create a new handler instance for each new channel to avoid a race condition where an unauthenticated client can get the confidential information:

```java
// Create a new handler instance per channel.
// See `ChannelInitializer.initChannel(Channel)`.  
public class DataServerInitializer extends ChannelInitializer<Channel> {
    @Override
    public void initChannel(Channel channel) {
        channel.pipeline().addLast("handler", new DataServerHandler());
    }
}
```
Although it's recommended to use member variables to store the state of a handler, for some reason you might not want to create many handler instances. In such a case, you can use `AttributeKey`s which is provided by `ChannelHandlerContext`:

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

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

    @Override
    public void channelRead(ChannelHandlerContext ctx, Message message) {
        Attribute<Boolean> attr = ctx.attr(auth);
        if (message instanceof LoginMessage) {
            authenticate((LoginMessage) o);
            attr.set(true);
        } else (message instanceof GetDataMessage) {
            if (Boolean.TRUE.equals(attr.get())) {
                ctx.writeAndFlush(fetchSecret((GetDataMessage) o));
            } else {
                fail();
            }
        }
    }
    ...
}
```

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

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

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

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

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

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

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

Additional resources worth reading

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

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1.2909 slf4j 1.7.30

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1.2910 standard-as-callback 2.1.0

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1.2911 jre 11.0.11+9-1

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Forwarded: no

--- a/make/jdk/src/classes/build/tools/cldrconverter/CopyrightHeaders.java
+++ b/make/jdk/src/classes/build/tools/cldrconverter/CopyrightHeaders.java
@@ -26,6 +26,7 @@
    import java.util.Calendar;
+    import java.util.Date;
    import java.util.GregorianCalendar;
    import java.util.Locale;
    import java.util.TimeZone;
@@ -150,8 +151,14 @@
    }
    private static int getYear() {
        -    return new GregorianCalendar(TimeZone.getTimeZone("America/Los_Angeles"),
-        -        Locale.US).get(Calendar.YEAR);
+        Date date = new Date();
+        if (System.getenv("SOURCE_DATE_EPOCH") != null) {
+            date = new Date(1000 * Long.valueOf(System.getenv("SOURCE_DATE_EPOCH")));
+        }
+        GregorianCalendar calendar = new GregorianCalendar(TimeZone.getTimeZone("UTC"), Locale.ENGLISH);
+        calendar.setTime(date);
+        return calendar.get(Calendar.YEAR);
    }

    // no instantiation
--- a/make/jdk/src/classes/build/tools/generatelsrequivmaps/EquivMapsGenerator.java
+++ b/make/jdk/src/classes/build/tools/generatelsrequivmaps/EquivMapsGenerator.java
@@ -33,9 +33,13 @@
    import java.time.ZoneId;
+    import java.util.Calendar;
+    import java.util.GregorianCalendar;
import java.util.List;
import java.util.Locale;
import java.util.Map;
+import java.util.TimeZone;
import java.util.TreeMap;

/**
@@ -225,8 +229,15 @@
+ "}"
    
    private static String getOpenJDKCopyright() {
        int year = ZonedDateTime.now(ZoneId.of("America/Los_Angeles")).getYear();
+        Date date = new Date();
+        if (System.getenv("SOURCE_DATE_EPOCH") != null) {
+            date = new Date(1000 * Long.valueOf(System.getenv("SOURCE_DATE_EPOCH")));
+        }
+        
+        GregorianCalendar calendar = new GregorianCalendar(TimeZone.getTimeZone("UTC"), Locale.ENGLISH);
+        calendar.setTime(date);
+        
+        int year = calendar.get(Calendar.YEAR);
        return String.format(Locale.US, COPYRIGHT, year);
    }

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1.2916 elastic-filesaver 1.1.2

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1.2918 json-schema-traverse 0.4.1

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1.2920 libssh2 1.9.0-2

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1.2921 snmp 1.3.2

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1.2923 xz 5.2.2 1.2+b1

1.2923.1 Available under license:

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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 GNU LGPLv2.1+.

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

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Clockwork - a scheduler process to replace cron

Cron is non-ideal for running scheduled application tasks, especially in an app deployed to multiple machines. [More details.](http://adam.heroku.com/past/2010/4/13/rethinking_cron/)

Clockwork is a lightweight, long-running Ruby process which sits alongside your web processes (Mongrel/Thin) and your worker processes (DJ/Resque/Minion/Stalker) to schedule recurring work at particular times or dates. For example, refreshing feeds on an hourly basis, or send reminder emails on a nightly basis, or generating invoices once a month on the 1st.

Example

Create schedule.rb:

```ruby
require 'clockwork'
include Clockwork

every('10s') { puts 'every 10 seconds' }
every('3m') { puts 'every 3 minutes' }
every('1h') { puts 'once an hour' }
every('1d', :at => '00:00') { puts 'every night at midnight' }

Run it with the clockwork binary:

$ clockwork schedule.rb

Or run directly with Ruby:

$ ruby -r schedule -e Clockwork.run

Use with queueing

Clockwork only makes sense as a place to schedule work to be done, not to do
the work. It avoids locking by running as a single process, but this makes it impossible to parallelize. For doing the work, you should be using a job queueing system, such as [Delayed Job](http://www.therailsway.com/2009/7/22/do-it-later-with-delayed-job), [Beanstalk/Stalker](http://adam.herokuapp.com/past/2010/4/24/beanstalk_a_simple_and_fast_queueing_backend/), [RabbitMQ/Minion](http://adamblog.heroku.com/past/2009/9/28/background_jobs_with_rabbitmq_and_minion/), or [Resque](http://github.com/blog/542-introducing-resque). This design allows a simple scheduler process with no locks, but also offers near infinite horizontal scalability.

For example, if you're using Beanstalk/Staker:

```ruby
require 'clockwork'
include Clockwork
require 'stalker'
include Stalker

every('1h') { enqueue('feeds.refresh') }
every('1d', :at => '01:30') { enqueue('reminders.send') }
```

Using a queueing system which doesn't require that your full application be loaded is preferable, because the scheduler process can keep a tiny memory footprint. If you're using DJ or Resque, however, you can go ahead and load your full application environment. For example, with DJ/Rails:

```ruby
require 'config/boot'
require 'config/environment'
require 'clockwork'
include Clockwork

every('1h') { Feed.send_later(:refresh) }
every('1d', :at => '01:30') { Reminder.send_later(:send_reminders) }
```

In production

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

Only one scheduler process should ever be running across your whole application deployment. For example, if your app is running on three VPS machines (two app servers and one database), your app machines might have the following process topography:

- Machine 1: 3 web (thin start), 3 workers (rake jobs:work), 1 scheduler (clockwork schedule.rb)
- Machine 2: 3 web (thin start), 3 workers (rake jobs:work)

You should use Monit, God, Upstart, or Inittab to keep your scheduler process running.
running the same way you keep your web and workers running.

Meta

Created by Adam Wiggins

Inspired by [rufus-scheduler](http://rufus.rubyforge.org/rufus-scheduler/) and [http://github.com/bvandenbos/resque-scheduler](resque-scheduler)

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http://github.com/adamwiggins/clockwork

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1.2973 @types/ms 0.7.31
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1.2974 ulikunitz-xz v0.5.7

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package main

import (  "bufio"  "bytes"  "flag"  "fmt"  "io"  "log"  "os"  "path/filepath"  "strings" )

const crUsageString = `xb copyright [options] <path>....

The xb copyright command adds a copyright remark to all go files below path.

-h  prints this message and exits`

func crUsage(w io.Writer) {
  fmt.Fprintln(w, crUsageString)
}

const copyrightText = `Copyright 2014-2020 Ulrich Kunitz. All rights reserved. Use of this source code is governed by a BSD-style license that can be found in the LICENSE file.

func goComment(text string) string {
  buf := new(bytes.Buffer)
  scanner := bufio.NewScanner(strings.NewReader(text))
  var err error
  for scanner.Scan() {
    s := strings.TrimSpace(scanner.Text())
    if len(s) == 0 {
      continue
    }
    if _, err = fmt.Fprintf(buf, "//", s); err != nil {
      panic(err)
    }
  }
  return buf.String()
}`
if err = scanner.Err(); err != nil {
    panic(err)
}
if _, err = fmt.Fprintln(buf); err != nil {
    panic(err)
}
return buf.String()

var goCopyright = goComment(copyrightText)

func addCopyright(path string) (err error) {
    log.Printf("adding copyright to %s", path)
    src, err := os.Open(path)
    if err != nil {
        return err
    }
    defer func() {
        cerr := src.Close()
        if cerr != nil && err == nil {
            err = cerr
        }
    }()
    newPath := path + ".new"
    dst, err := os.Create(newPath)
    if err != nil {
        return err
    }
    defer func() {
        cerr := dst.Close()
        if cerr != nil && err == nil {
            err = cerr
        }
    }()
    out := bufio.NewWriter(dst)
    fmt.Fprintf(out, goCopyright)
    scanner := bufio.NewScanner(src)
    line := 0
    del := false
    for scanner.Scan() {
        line++
        txt := scanner.Text()
        if line == 1 && strings.Contains(txt, "Copyright") {
            del = true
            continue
        }
        if del {

s := strings.TrimSpace(txt)
if len(s) == 0 {
del = false
} continue
} fmt.Fprintln(out, txt)
if err = scanner.Err(); err != nil {
return err
}
if err = out.Flush(); err != nil {
return
}
err = os.Rename(newPath, path)
return
}

func walkCopyrights(path string, info os.FileInfo, err error) error {
if err != nil {
return err
}
if info.IsDir() {
return nil
}
if !strings.HasSuffix(info.Name(), ".go") {
return nil
}
return addCopyright(path)
}

func copyright() {
cmdName := os.Args[0]
log.SetPrefix(fmt.Sprintf("%s: ", cmdName))
log.SetFlags(0)

flag.CommandLine = flag.NewFlagSet(cmdName, flag.ExitOnError)
flag.Usage = func() { crUsage(os.Stderr); os.Exit(1) }

help := flag.Bool("h", false, "")
flag.Parse()
if *help {
crUsage(os.Stdout)
os.Exit(0)
}
for _, path := range flag.Args() {
fi, err := os.Stat(path)
if err != nil {
log.Print(err)
continue
}
if !fi.IsDir() {
log.Printf("%s is not a directory", path)
continue
}
if err = filepath.Walk(path, walkCopyrights); err != nil {
log.Fatalf("%s error %s", path, err)
}
}
}
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1.2975 ms 2.1.2
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1.2976 typedarray-to-buffer 4.0.0

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1.2977 vega-util 1.13.1

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1.2978 jersey-container-servlet 2.27

1.2979 goprotobuf v1.3.2
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1.2980 elasticsearch-x-content 6.8.16

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1.2981 babel-helper-remap-async-to-generator 6.24.1

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1.2985 errors v0.8.0

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1.2986 x-is-string 0.1.0

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1.2987 jackson-databind 2.8.4

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1.2988 asn1 0.2.4

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1.2989 jmespath 0.9.4

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1.2990 go-autorest-date v0.3.0

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1.2994 xdg-utils 1.1.3-4.1

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1.2995 jline 3.10.0

1.2996 google-uuid v1.1.1

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1.2998 berkeley-db 5.3.28-12+deb9u1

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1.3001 systemd 247.3-5

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1.3004 node.js 12.22.5~dfsg-2~11u1

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License Status = valid
License ID = eaaecbd5-b598-4fa4-b649-bb234bf49fa3
Customer ID = ae94bdd0-39bf-4c58-bf80-8a9468b0467c
Issued At = 2021-03-29 14:47:29.024191 -0400 EDT
Expires At = 2021-03-29 20:47:29.024191 -0400 EDT
Datacenter = *
Modules:
  governance-policy
  multicluster-and-efficiency
Licensed Features:
  Automated Upgrades
  Enhanced Read Scalability
  Redundancy Zones
  Namespaces
  Resource Quotas
  Audit Logging
  Sentinel Policies
  Multiregion Deployments
  Automated Backups
  Multi-Vault Namespaces
  Dynamic Application Sizing
```
As a Nomad Enterprise license approaches its expiration time, Nomad servers will periodically log a warning message about the approaching expiration. Below shows log excerpts of the warnings.
```
```
2021-03-29T15:02:28.100-0400 [WARN] nomad.licensing: license expiring: time_left=5m0s
2021-03-29T15:03:28.103-0400 [WARN] nomad.licensing: license expiring: time_left=4m0s
2021-03-29T15:04:28.106-0400 [WARN] nomad.licensing: license expiring: time_left=3m0s
2021-03-29T15:05:28.109-0400 [WARN] nomad.licensing: license expiring: time_left=2m0s
2021-03-29T15:06:28.112-0400 [WARN] nomad.licensing: license expiring: time_left=1m0s
2021-03-29T15:07:28.114-0400 [WARN] nomad.licensing: license expiring: time_left=0s
2021-03-29T15:07:58.104-0400 [ERROR] nomad.licensing: license expired, please update license: error="invalid license or license is expired"
```
When the license expires, enterprise functionality will become limited. Only read operations on enterprise endpoints will be supported, and write operations will return an error.

Note that if the server is restarted with an expired license, it will immediately stop.

## Configuring the License
See the server [license configuration] reference documentation on all the options to set an enterprise license. Nomad will load the license file from disk or environment when it starts.

-> **Note:** An Enterprise license [tutorial](https://learn.hashicorp.com/tutorials/nomad/hashicorp-enterprise-license?in=nomad/enterprise) is available to help you install the license on the server.

In order to immediately alert operators of a bad configuration setting, if a license configuration option is an invalid or expired license, the Nomad server will exit with an error.

```~>
NOMAD_LICENSE=misconfigured nomad agent -dev
===> No configuration files loaded
===> Starting Nomad agent...
===> Error starting agent: server setup failed: failed to initialize enterprise licensing: a file license was configured but the license is invalid: error decoding version: expected integer
```

See the [License commands](/docs/commands/license) for more information on interacting with the Enterprise License.

[gh-9958]: https://github.com/hashicorp/nomad/issues/9958
[releases site]: https://releases.hashicorp.com/nomad
[license configuration]: /docs/configuration/server#license_path
[license endpoint]: /api-docs/operator/license#updating-the-nomad-enterprise-license

---

# Frequently Asked Questions (FAQ)

This FAQ is for the license changes introduced in Nomad Enterprise version v1.1.0+ent. Nomad Enterprise automatically load Nomad licenses when a Nomad server agent starts using Nomad Enterprise.

## Q: Can I get a quick summary of the Nomad changes?

Starting with Nomad Enterprise v1.1.0, the license enablement process is different.

HashiCorp Enterprise servers will no longer start without a license. When the server instance initializes the license watcher, the server reads from either an environment variable or file. If the license is missing, invalid, or expired, the server will immediately exit.

This check is part of the server boot-up process.
In previous versions of HashiCorp enterprise products, one server could distribute a license to other servers via the Raft protocol.
This will no longer work since each server must be able to find a valid license during the startup process.

## Q: What resources are available?

The list below is a great starting point for learning more about the license changes introduced in Nomad Enterprise v1.1.0

- [v1.1.0 Upgrade Guide](https://www.nomadproject.io/docs/upgrade/upgrade-specific#enterprise-licenses)
- [Nomad License Documentation](https://www.nomadproject.io/docs/enterprise/license)
- [License configuration values](https://www.nomadproject.io/docs/configuration/server#license_path)
- [Install a HashiCorp Enterprise License Tutorial](https://learn.hashicorp.com/tutorials/nomad/hashicorp-enterprise-license)

## Q: Does this affect Nomad or older versions of Nomad?

This change only affects Nomad Enterprise version v1.1.0+ent and later.

## Q: Does the license have to be present on Nomad client nodes?

Only Nomad server nodes need to have the license present.
Nomad agents running with the `-dev` flag will also need a license.

## Q: What are some pitfalls that could be experienced during an upgrade because of the license changes?

If you follow the steps in the [upgrade guide](https://www.nomadproject.io/docs/upgrade/upgrade-specific#enterprise-licenses), but have misconfigured the licensing steps, the server instances will stop during boot-up sequence.

If you do not check cluster health after adding new servers, and verify that the new servers have joined properly, then you may accidentally take down old servers without replacing them.

If you are using a trial license in production, this could cause issues as the cluster will fail to start once the trial expires.

If you have built automation around `nomad license put`, this command will fail as it has been removed from Nomad v1.1.0+.

## Q: What are some other gotchas?

You might not have access to your organization's Nomad license.
The 6-hour temporary license window is now removed, and a license is required for proper boot-up.
Running `nomad agent -dev` without a license will fail.

## Q: How can a user get their existing license to put on disk for an upgrade?

If you are an existing HashiCorp enterprise customer you may contact your organization's customer success manager (CSM) or email support-softwaredelivery@hashicorp.com for information on how to get your organization's enterprise license.

You can use `nomad license get` to retrieve information about the license, but not the license itself.

## Q: What happens when a license expires?

If a license expires after a server node joins the cluster, the existing Enterprise features will continue to operate until a grace period expires.

The grace period duration is 1 day, and upon the end of the grace period the Nomad servers will shut down.

## Q: Will on-prem binaries with baked-in licenses work?

There is no impact to baked-in licensed binaries.

## Q: Are licenses cluster-specific or node-specific?

Licenses can be reused on different nodes and different clusters.

## Q: Where can users get a trial license for Nomad?

Visit https://nomadproject.io/trial for a free 30-day trial license.

## Q: When a Nomad client agent restarts, will it still need a license file?

Every time `nomad agent` runs as a server (or in `-dev`), it requires a license.

## Q: May I downgrade Nomad Enterprise from v1.1.0 to an earlier version?

Nomad cannot safely be rolled back to an earlier version.

This is not a supported operation due to the Nomad state store not having forward compatibility. The end result could be a crash loop.

## Q: Is there a tutorial available for the license configuration steps?

Please visit the [Enterprise License Tutorial](https://learn.hashicorp.com/tutorials/nomad/hashicorp-enterprise-license).

---

```
layout: api
page_title: License - Operator - HTTP API
description: |

The /operator/license endpoints allow for retrieving the Nomad Enterprise License.
```

# License Operator HTTP API
## Get Nomad Enterprise License Info

This endpoint gets information about the current license.

<table>
<thead>
<tr>
<th>Method</th>
<th>Path</th>
<th>Produces</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>GET</code></td>
<td><code>/v1/operator/license</code></td>
<td><code>application/json</code></td>
</tr>
</tbody>
</table>

The table below shows this endpoint's support for [blocking queries](/api-docs#blocking-queries) and [required ACLs](/api-docs#acls).

<table>
<thead>
<tr>
<th>Blocking Queries</th>
<th>ACL Required</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>NO</code></td>
<td><code>operator:read</code></td>
</tr>
</tbody>
</table>

### Sample Request

```shell-session
$ curl \
   https://localhost:4646/v1/operator/license
```

### Sample Response

```json
{
   "KnownLeader": false,
   "LastContact": 0,
   "LastIndex": 0,
   "License": {
      "CustomerID": "customer name",
      "ExpirationTime": "2020-06-01T14:50:16.581304556-04:00",
      "Features": [
         "Automated Upgrades",
         "Enhanced Read Scalability",
         "Redundancy Zones",
         "Namespaces",
         "Resource Quotas",
         "Preemption",
         "Audit Logging",
         "Setinel Policies"
      ],
      "Flags": {
         "modules": ["governance-policy"]
      }
   }
}
```
package command

import (
    "fmt"
    "github.com/hashicorp/nomad/api"
    "github.com/posener/complete"
)

type LicenseGetCommand struct {
    Meta
}

func (c *LicenseGetCommand) Help() string {
    helpText := `Usage: nomad license get [options]

Gets the license loaded by the server. The command is not forwarded to the
Nomad leader, and will return the license from the specific server being
contacted.

When ACLs are enabled, this command requires a token with the
'operator:read' capability.

General Options:

  ` + generalOptionsUsage(usageOptsDefault|usageOptsNoNamespace)

return helpText
}

func (c *LicenseGetCommand) AutocompleteFlags() complete.Flags {
    return complete.Flags{}
}

func (c *LicenseGetCommand) AutocompleteArgs() complete.Predictor {

}
func (c *LicenseGetCommand) Synopsis() string {
    return "Retrieve the current Nomad Enterprise License"
}

func (c *LicenseGetCommand) Name() string { return "license get" }

func (c *LicenseGetCommand) Run(args []string) int {
    flags := c.Meta.FlagSet(c.Name(), FlagSetClient)
    flags.Usage = func() { c.Ui.Output(c.Help()) }

    if err := flags.Parse(args); err != nil {
        c.Ui.Error(fmt.Sprintf("Error parsing flags: %s", err))
        return 1
    }

    client, err := c.Meta.Client()
    if err != nil {
        c.Ui.Error(fmt.Sprintf("Error initializing client: %s", err))
        return 1
    }

    resp, _, err := client.Operator().LicenseGet(&api.QueryOptions{})
    if err != nil {
        c.Ui.Error(fmt.Sprintf("Error getting license: %v", err))
        return 1
    }

    return OutputLicenseReply(c.Ui, resp)
}

---

The license command is used to interact with an enterprise license.

If ACLs are enabled then a token with operator privileges may be required in order to use this command.

~> License commands are new in Nomad 0.12.0 and are only available with Nomad Enterprise.

The `license` command provides cluster level management of the Nomad Enterprise license.

If ACLs are enabled then a token with operator privileges may be required in order to use this command.
Click [here](https://www.hashicorp.com/products/nomad/trial) to get a trial license for Nomad Enterprise.

## Usage

Usage: `nomad license <subcommand> [options]`

Run `nomad license <subcommand> -h` for help on that subcommand. The following subcommands are available:

- `- [‘license get’][get] - Get the current license

package command

```go
import (
    "testing"
    "time"
    "github.com/hashicorp/nomad/api"
    "github.com/mitchellh/cli"
    "github.com/stretchr/testify/require"
)

var _ cli.Command = &LicenseGetCommand{}

func TestCommand_LicenseGet_OSSErr(t *testing.T) {
    t.Parallel()

    srv, _, url := testServer(t, false, nil)
    defer srv.Shutdown()

    ui := cli.NewMockUi()
    cmd := &LicenseGetCommand{Meta: Meta{Ui: ui}}

    code := cmd.Run([]string{"-address=" + url})
    if srv.Enterprise {
        require.Equal(t, 0, code)
    } else {
        require.Equal(t, 1, code)
        require.Contains(t, ui.ErrorWriter.String(), "Nomad Enterprise only endpoint")
    }
}

func TestOutputLicenseReply(t *testing.T) {
    now := time.Now()
    lic := &api.LicenseReply{
        License: &api.License{
            LicenseID:       "licenseID",
            ...}
```
CustomerID: "customerID",
InstallationID: "#",
IssueTime: now,
StartTime: now,
ExpirationTime: now.Add(1 * time.Hour),
TerminationTime: now,
Product: "nomad",
Flags: map[string]interface{}{
  "": nil,
},
}
}

ui := cli.NewMockUi()

require.Equal(t, 0, OutputLicenseReply(ui, lic))

out := ui.OutputWriter.String()
require.Contains(t, out, "Customer ID")
require.Contains(t, out, "License ID")
}
---
layout: docs
page_title: 'Commands: license get'
description: |
The license get command is used to get the current license.
---

# Command: license get

The `license get` command is used to retrieve the current Nomad Enterprise license. The command is not forwarded to the Nomad leader, and will return the license from the specific server being contacted.

-> License commands are new in Nomad 0.12.0 and are only available with Nomad Enterprise.

## Usage

```plaintext
nomad license get [options]
```

When ACLs are enabled, this command requires a token with the `operator:read` capability.

## General Options
## Examples
```shell-session
$ nomad license get

Product      = nomad
License Status = valid
License ID    = e23f63b1-00ec-4e67-e926-c22e7937ceec
Customer ID   = 350356e5-8aec-bdf4-8510-b205079ccad2
Expires At    = 2020-05-09 00:00:00 +0000 UTC
License ID    = e23f63b1-00ec-4e67-e926-c22e7937ceec
Customer ID   = 350356e5-8aec-bdf4-8510-b205079ccad2
Terminates At = 2020-05-10 00:00:00 +0000 UTC
Datacenter    = *
Modules:
  governance-policy
Licensed Features:
  Automated Upgrades
  Enhanced Read Scalability
  Redundancy Zones
  Namespaces
  Resource Quotas
  Preemption
  Audit Logging
  Setinel Policies
```

```shell-session
$ nomad license get -stale=true

Product      = nomad
License Status = valid
License ID    = 8c647f6c-1e6d-18d8-7f05-92e4d8110b2d
Customer ID   = 350356e5-8aec-bdf4-8510-b205079ccad2
Issued At     = 2021-03-31 14:21:16.969610774 +0000 UTC
Expires At    = 2022-04-01 00:00:00 +0000 UTC
Terminates At = 2022-04-04 00:00:00 +0000 UTC
Datacenter    = *
Modules:      
  governance-policy
  multicluster-and-efficiency
Licensed Features:
  Automated Upgrades
  Enhanced Read Scalability
  Redundancy Zones
  Namespaces
```
Resource Quotas
Audit Logging
Sentinel Policies
Multiregion Deployments
Automated Backups
Multi-Vault Namespaces

package command

import (  
"fmt"
"strings"
"time"

"github.com/hashicorp/nomad/api"
"github.com/mitchellh/cli"
)

var _ cli.Command = &LicenseCommand{}

type LicenseCommand struct {
Meta
}

func (l *LicenseCommand) Help() string {
helpText := `  
Usage: nomad license <subcommand> [options] [args]

This command has subcommands for managing the Nomad Enterprise license.  
For more detailed examples see:
https://www.nomadproject.io/docs/commands/license/

Retrieve the server's license:

$ nomad license get

,`
return strings.TrimSpace(helpText)
}

func (l *LicenseCommand) Synopsis() string {
return "Interact with Nomad Enterprise License"
}

func (l *LicenseCommand) Name() string { return "license" }

func (l *LicenseCommand) Run(args []string) int {
return cli.RunResultHelp
func OutputLicenseReply(ui cli.Ui, resp *api.LicenseReply) int {
    now := time.Now()
    expired := resp.License.ExpirationTime.Before(now)
    outputLicenseInfo(ui, resp.License, expired)
    if expired {
        return 1
    }
    return 0
}

func outputLicenseInfo(ui cli.Ui, lic *api.License, expired bool) {
    expStr := ""
    if expired {
        expStr = fmt.Sprintf("Expired At|%s", lic.ExpirationTime.String())
    } else {
        expStr = fmt.Sprintf("Expires At|%s", lic.ExpirationTime.String())
    }
    validity := "valid"
    if expired {
        validity = "expired!"
    }
    output := []string{
        fmt.Sprintf("Product|%s", lic.Product),
        fmt.Sprintf("License Status|%s", validity),
        fmt.Sprintf("License ID|%s", lic.LicenseID),
        fmt.Sprintf("Customer ID|%s", lic.CustomerID),
        fmt.Sprintf("Issued At|%s", lic.IssueTime),
        expStr,
        fmt.Sprintf("Datacenter|%s", lic.InstallationID),
    }
    ui.Output(formatKV(output))

    if len(lic.Modules) > 0 {
        ui.Output("Modules:")
        for _, mod := range lic.Modules {
            ui.Output(fmt.Sprintf("\t%s", mod))
        }
    }
    if len(lic.Features) > 0 {
        ui.Output("Licensed Features:")
        for _, f := range lic.Features {
            ui.Output(fmt.Sprintf("\t%s", f))
        }
    }
}
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1.3040 jemalloc 5.1.0-3

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1.3042 x-sys v0.0.0-20210112080510-489259a85091

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1.3043 libx11 1.7.2-1

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* DNS resolver (dirmngr/dns.c)
dns.c - Recursive, Reentrant DNS Resolver.

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

Files: *
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1.3056 spdx-expression-parse 3.0.1
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1.3057 @npmcli/config 1.2.9
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1.3058 denque 1.5.1

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1.3059 media-typer 0.3.0

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1.3060 d3-quadtree 1.0.3

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1.3062 fresh 0.5.2

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1.3063 lsb 9.20161125

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1.3064 govmomi 0.22.1

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*/

class license

class assign {
    *flags.ClientFlag
    *flags.OutputFlag
    *flags.HostSystemFlag
    *flags.ClusterFlag
    name string
    remove bool
}

func init() {
    cli.Register(license.assign, &assign{ })
}
func (cmd *assign) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)

    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)

    cmd.HostSystemFlag, ctx = flags.NewHostSystemFlag(ctx)
    cmd.HostSystemFlag.Register(ctx, f)

    cmd.ClusterFlag, ctx = flags.NewClusterFlag(ctx)
    cmd.ClusterFlag.Register(ctx, f)

    f.StringVar(&cmd.name, "name", "", "Display name")
    f.BoolVar(&cmd.remove, "remove", false, "Remove assignment")
}

func (cmd *assign) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.HostSystemFlag.Process(ctx); err != nil {
        return err
    }
    return cmd.ClusterFlag.Process(ctx)
}

func (cmd *assign) Usage() string {
    return "KEY"
}

func (cmd *assign) Description() string {
    return `Assign licenses to HOST or CLUSTER.
Examples:
govc license.assign $VCSA_LICENSE_KEY
    govc license.assign -host a_host.example.com $SESX_LICENSE_KEY
    govc license.assign -cluster a_cluster $VSAN_LICENSE_KEY`
}

func (cmd *assign) Run(ctx context.Context, f *flag.FlagSet) error {
    if f.NArg() != 1 {
        return flag.ErrHelp
    }
}
key := f.Arg(0)

client, err := cmd.Client()
if err != nil {
    return err
}

m, err := license.NewManager(client).AssignmentManager(ctx)
if err != nil {
    return err
}

host, err := cmd.HostSystemIfSpecified()
if err != nil {
    return err
}

var id string

if host == nil {
    cluster, cerr := cmd.ClusterIfSpecified()
    if cerr != nil {
        return cerr
    }
    if cluster == nil {
        // Default to vCenter UUID
        id = client.ServiceContent.About.InstanceUuid
    } else {
        id = cluster.Reference().Value
    }
} else {
    id = host.Reference().Value
}

if cmd.remove {
    return m.Remove(ctx, id)
}

info, err := m.Update(ctx, id, key, cmd.name)
if err != nil {
    return err
}

return cmd.WriteResult(licenseOutput([]types.LicenseManagerLicenseInfo{*info}))

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*/

package simulator

import (
    "context"
    "reflect"
    "testing"
    "github.com/vmware/govmomi"
    "github.com/vmware/govmomi/find"
    "github.com/vmware/govmomi/license"
)

func TestLicenseManagerVPX(t *testing.T) {
    ctx := context.Background()
    m := VPX()
    defer m.Remove()

    err := m.Create()
    if err != nil {
        t.Fatal(err)
    }

    s := m.Service.NewServer()
    defer s.Close()

    c, err := govmomi.NewClient(ctx, s.URL, true)
    if err != nil {
        t.Fatal(err)
    }

    lm := license.NewManager(c.Client)
    am, err := lm.AssignmentManager(ctx)
    if err != nil {
        t.Fatal(err)
    }
}
la, err := am.QueryAssigned(ctx, "enoent")
if err != nil {
    t.Fatal(err)
}

if len(la) != 0 {
    t.Errorf("unexpected license")
}

finder := find.NewFinder(c.Client, false)
hosts, err := finder.HostSystemList(ctx, "/...")
if err != nil {
    t.Fatal(err)
}

host := hosts[0].Reference().Value

for _, name := range []string{"", host, vcid} {
    la, err = am.QueryAssigned(ctx, name)
    if err != nil {
        t.Fatal(err)
    }
}

if len(la) != 1 {
    t.Fatal("no licenses")
}

if !reflect.DeepEqual(la[0].AssignedLicense, EvalLicense) {
    t.Fatal("invalid license")
}

}

func TestLicenseManagerESX(t *testing.T) {
    ctx := context.Background()
    m := ESX()
    defer m.Remove()

    err := m.Create()
    if err != nil {
        t.Fatal(err)
    }

    s := m.Service.NewServer()
defer s.Close()

c, err := govmomi.NewClient(ctx, s.URL, true)
if err != nil {
    t.Fatal(err)
}

lm := license.NewManager(c.Client)
_, err = lm.AssignmentManager(ctx)
if err == nil {
    t.Fatal("expected error")
}

la, err := lm.List(ctx)
if err != nil {
    t.Fatal(err)
}

if len(la) != 1 {
    t.Fatal("no licenses")
}

if !reflect.DeepEqual(la[0], EvalLicense) {
    t.Fatal("invalid license")
}

func TestAddRemoveLicense(t *testing.T) {
    ctx := context.Background()
    m := ESX()
    defer m.Remove()

    err := m.Create()
    if err != nil {
        t.Fatal(err)
    }

    s := m.Service.NewServer()
    defer s.Close()

    c, err := govmomi.NewClient(ctx, s.URL, true)
    if err != nil {
        t.Fatal(err)
    }

    lm := license.NewManager(c.Client)
    key := "00000-00000-00000-00000-11111"
labels := map[string]string{"key": "value"}

info, err := lm.Add(ctx, key, labels)
if err != nil {
    t.Fatal(err)
}
if info.LicenseKey != key {
    t.Fatalf("expect info.LicenseKey equal to %q; got %q", key, info.LicenseKey)
}
if len(info.Labels) != len(labels) {
    t.Fatalf("expect len(info.Labels) equal to %d; got %d", len(labels), len(info.Labels))
}
if info.Labels[0].Key != "key" || info.Labels[0].Value != "value" {
    t.Fatalf("expect label to be {key:value}; got {%-s:%-s}”, info.Labels[0].Key, info.Labels[0].Value)
}

la, err := lm.List(ctx)
if err != nil {
    t.Fatal(err)
}
if len(la) != 2 {
    t.Fatal("no licenses")
}
if la[1].LicenseKey != key {
    t.Fatalf("expect info.LicenseKey equal to %q; got %q", key, la[1].LicenseKey)
}
if len(la[1].Labels) != len(labels) {
    t.Fatalf("expect len(info.Labels) equal to %d; got %d", len(labels), len(la[1].Labels))
}
if la[1].Labels[0].Key != "key" || la[1].Labels[0].Value != "value" {
    t.Fatalf("expect label to be {key:value}; got {%-s:%-s}”, la[1].Labels[0].Key, la[1].Labels[0].Value)
}

err = lm.Remove(ctx, key)
if err != nil {
    t.Fatal(err)
}
la, err = lm.List(ctx)
if err != nil {
    t.Fatal(err)
}

if len(la) != 1 {
    t.Fatal("no licenses")
}

/*----------------------------------------------------------------------------*/
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*/

package license

import {
    "context"
    "flag"
    "github.com/vmware/govmomi/govc/cli"
    "github.com/vmware/govmomi/govc/flags"
    "github.com/vmware/govmomi/license"
}

var featureUsage = "List licenses with given feature"

type ls struct {
    *flags.ClientFlag
    *flags.OutputFlag

    feature string
}

func init() {

cli.Register("license.ls", &ls{})
}

func (cmd *ls) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)

    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)

    f.StringVar(&cmd.feature, "feature", ",", featureUsage)
}

func (cmd *ls) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }
    return nil
}

func (cmd *ls) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }

    m := license.NewManager(client)
    result, err := m.List(ctx)
    if err != nil {
        return err
    }

    if cmd.feature != "" {
        result = result.WithFeature(cmd.feature)
    }

    return cmd.WriteResult(licenseOutput(result))
} /*
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*/

group license

import (
    "context"
    "flag"
    "fmt"
    "github.com/vmware/govmomi/govc/cli"
    "github.com/vmware/govmomi/govc/flags"
    "github.com/vmware/govmomi/license"
    "github.com/vmware/govmomi/vim25/types"
)
type add struct {
    *flags.ClientFlag
    *flags.OutputFlag
}

func init() {
    cli.Register("license.add", &add{})
}

func (cmd *add) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)
    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)
}

func (cmd *add) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }
    return nil
}
func (cmd *add) Usage() string {
    return "KEY..."
}

func (cmd *add) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }

    m := license.NewManager(client)

    // From the vSphere 5.5 documentation:
    //
    // To specify the edition type and any optional functions, use
    // updateLicense for ESX Server and addLicense follow by
    // LicenseAssignmentManager.updateAssignedLicense for VirtualCenter.
    //
    var addFunc func(ctx context.Context, key string, labels map[string]string) (types.LicenseManagerLicenseInfo, error)
    switch t := client.ServiceContent.About.ApiType; t {
    case "HostAgent":
        addFunc = m.Update
    case "VirtualCenter":
        addFunc = m.Add
    default:
        return fmt.Errorf("unsupported ApiType: %s", t)
    }

    result := make(licenseOutput, 0)
    for _, v := range f.Args() {
        license, err := addFunc(ctx, v, nil)
        if err != nil {
            return err
        }
        result = append(result, license)
    }

    return cmd.WriteResult(licenseOutput(result))
}

#!/usr/bin/env bats
load test_helper

# These tests should only run against a server running an evaluation license.
verify_evaluation() {
if [ "$\$(govc license.ls | jq -r .[0].EditionKey)" != "eval" ]; then
  skip "requires evaluation license"
fi

get_key() {
  jq ".[].[] | select(.LicenseKey == "\$1\")"
}

get_property() {
  jq -r ".Properties[].[] | select(.Key == "\$1") | .Value"
}

get_label() {
  govc license.ls -json | jq -r ".[].[] | select(.LicenseKey == "\$1") | .Labels[].[] | select(.Key == "\$2") | .Value"
}

get_nlabeled() {
  govc license.ls -json | jq ".[].[] | select(.LicenseKey == "\$1") | .Labels[].Key" | wc -l
}

@test "license.add" {
  esx_env
  verify_evaluation
  run govc license.add -json 00000-00000-00000-00000-00001 00000-00000-00000-00000-00002
  assert_success
  # Expect to see an entry for both the first and the second key
  assert_equal "License is not valid for this product" "\$(get_key 00000-00000-00000-00000-00001 $2(output) | get_property diagnostic)"
  assert_equal "License is not valid for this product" "\$(get_key 00000-00000-00000-00000-00002 $2(output) | get_property diagnostic)"
}

@test "license.remove" {
  esx_env
  verify_evaluation
  run govc license.remove -json 00000-00000-00000-00000-00001
  assert_success
}

@test "license.ls" {
  vcsim_env

  run govc license.ls -json | jq 'select(.LicenseKey == "\$1")'
  assert_success
  # Expect to see an entry for both the first and the second key
  assert_equal "License is not valid for this product" "\$(get_key 00000-00000-00000-00000-00001 $2(output) | get_property diagnostic)"
  assert_equal "License is not valid for this product" "\$(get_key 00000-00000-00000-00000-00002 $2(output) | get_property diagnostic)"
}
verify_evaluation

run govc license.ls -json
assert_success

# Expect the test instance to run in evaluation mode
assert_equal "Evaluation Mode" "$(get_key 00000-00000-00000-00000-00000-00000 <<<$output | jq -r ".Name")"

@test "license.decode" {
  esx_env

  verify_evaluation

  key=00000-00000-00000-00000-00000
  assert_equal "eval" $(govc license.decode $key | grep $key | awk '{print $2}')

}@test "license.label.set" {
  vcsim_env

  key=00000-00000-00000-00000-00000

  assert_equal 0 "$(get_nlabel $key)"
  assert_equal "" "$(get_label $key foo)"

  run govc license.label.set $key foo bar
  assert_success

  assert_equal 1 "$(get_nlabel $key)"
  assert_equal bar "$(get_label $key foo)"

  run govc license.label.set $key biz baz
  assert_success
  run govc license.label.set $key foo bar2
  assert_success

  assert_equal 2 "$(get_nlabel $key)"
  assert_equal bar2 "$(get_label $key foo)"

  run govc license.label.set $key foo ""
  assert_success

  assert_equal 1 "$(get_nlabel $key)"
  assert_equal "" "$(get_label $key foo)"
}

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package simulator

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

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

type LicenseManager struct {
    mo.LicenseManager
}

func (m *LicenseManager) init(r *Registry) {
    m.Licenses = []types.LicenseManagerLicenseInfo{EvalLicense}

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

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

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

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

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

    return body
}

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

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 {
                continue
            }
            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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*/

package license

import (
    "context"
    "flag"
    "github.com/vmware/govmomi/govc/cli"
    "github.com/vmware/govmomi/govc/flags"
    "github.com/vmware/govmomi/license"
    "github.com/vmware/govmomi/vim25/methods"
    "github.com/vmware/govmomi/vim25/types"
)

type label struct {
    *flags.ClientFlag
}

func init() {
    cli.Register("license.label.set", &label{ })
}

func (cmd *label) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)
func (cmd *label) Usage() string {
    return "LICENSE KEY VAL"
}

func (cmd *label) Description() string {
    return `Set license labels.
Examples:
govc license.label.set 00000-00000-00000-00000-00000 team cnx # add/set label
govc license.label.set 00000-00000-00000-00000-00000 team "" # remove label
govc license.ls -json | jq ".[] | select(.Labels[].Key == "team") | .LicenseKey"
`}

func (cmd *label) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }

    m := license.NewManager(client)
    req := types.UpdateLicenseLabel{
        This:     m.Reference(),
        LicenseKey: f.Arg(0),
        LabelKey:  f.Arg(1),
        LabelValue: f.Arg(2),
    }

    _, err = methods.UpdateLicenseLabel(ctx, m.Client(), &req)
    return err
}

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*/

package license

import (   "context"   "flag"

   "github.com/vmware/govmomi/govc/cli"   "github.com/vmware/govmomi/govc/flags"   "github.com/vmware/govmomi/license"
)

type decode struct {   *flags.ClientFlag   *flags.OutputFlag

   feature string
func init() {
    cli.Register("license.decode", &decode{ })
}

func (cmd *decode) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)

    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)

    f.StringVar(&cmd.feature, "feature", "", featureUsage)
}

func (cmd *decode) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }
    return nil
}

func (cmd *decode) Usage() string {
    return "KEY..."
}

func (cmd *decode) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }
    var result license.InfoList
    m := license.NewManager(client)
    for _, v := range f.Args() {
        license, err := m.Decode(ctx, v)
        if err != nil {
            return err
        }
        result = append(result, license)
    }

    if cmd.feature != "" {
        return nil
    }

    return nil
}
result = result.WithFeature(cmd.feature)
}

return cmd.WriteResult(licenseOutput(result))
}

# People who can (and typically have) contributed to this repository.
#
# This script is generated by contributors.sh
#

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*/

package license

import (  "context"  "strconv"  "strings"  "time")
type Manager struct {
  object.Common
}

func NewManager(c *vim25.Client) *Manager {
  m := Manager{
    object.NewCommon(c, *c.ServiceContent.LicenseManager),
  }
  return &m
}

func mapToKeyValueSlice(m map[string]string) []types.KeyValue {
  var r []types.KeyValue
  for k, v := range m {
    r = append(r, types.KeyValue{Key: k, Value: v})
  }
  return r
}

func (m Manager) Add(ctx context.Context, key string, labels map[string]string) (types.LicenseManagerLicenseInfo, error) {
  req := types.AddLicense{
    This:       m.Reference(),
    LicenseKey: key,
    Labels:     mapToKeyValueSlice(labels),
  }
  res, err := methods.AddLicense(ctx, m.Client(), &req)
  if err != nil {
    return types.LicenseManagerLicenseInfo{}, err
  }
  return res.Returnval, nil
}

func (m Manager) Decode(ctx context.Context, key string) (types.LicenseManagerLicenseInfo, error) {
  req := types.DecodeLicense{
    This:       m.Reference(),
    LicenseKey: key,
  }
  res, err := methods.DecodeLicense(ctx, m.Client(), &req)
  if err != nil {
    return types.LicenseManagerLicenseInfo{}, err
  }
  return res.Returnval, nil
}
res, err := methods.DecodeLicense(ctx, m.Client(), &req)
if err != nil {
    return types.LicenseManagerLicenseInfo{}, err
}

return res.Returnval, nil

func (m Manager) Remove(ctx context.Context, key string) error {
    req := types.RemoveLicense{
        This:       m.Reference(),
        LicenseKey: key,
    }

    _, err := methods.RemoveLicense(ctx, m.Client(), &req)
    return err
}

func (m Manager) Update(ctx context.Context, key string, labels map[string]string) (types.LicenseManagerLicenseInfo, error) {
    req := types.UpdateLicense{
        This:       m.Reference(),
        LicenseKey: key,
        Labels:     mapToKeySlice(labels),
    }

    res, err := methods.UpdateLicense(ctx, m.Client(), &req)
    if err != nil {
        return types.LicenseManagerLicenseInfo{}, err
    }

    return res.Returnval, nil
}

func (m Manager) List(ctx context.Context) (InfoList, error) {
    var mlm mo.LicenseManager

er := m.Properties(ctx, m.Reference(), []string{"licenses"}, &mlm)
    if err != nil {
        return nil, err
    }

    return InfoList(mlm.Licenses), nil
}

func (m Manager) AssignmentManager(ctx context.Context) (*AssignmentManager, error) {
    var mlm mo.LicenseManager

er := m.Properties(ctx, m.Reference(), []string{"licenses"}, &mlm)
    if err != nil {
        return nil, err
    }

    return InfoList(mlm.Licenses), nil
}
err := m.Properties(ctx, m.Reference(), []string{"licenseAssignmentManager"}, &mlm)
if err != nil {
    return nil, err
}

if mlm.LicenseAssignmentManager == nil {
    return nil, object.ErrNotSupported
}

am := AssignmentManager{
    object.NewCommon(m.Client(), *mlm.LicenseAssignmentManager),
}

return &am, nil


type licenseFeature struct {
    name  string
    level int
}

func parseLicenseFeature(feature string) *licenseFeature {
    lf := new(licenseFeature)
    f := strings.Split(feature, ":")
    lf.name = f[0]
    if len(f) > 1 {
        var err error
        lf.level, err = strconv.Atoi(f[1])
        if err != nil {
            lf.name = feature
        }
    }
    return lf
}

func HasFeature(license types.LicenseManagerLicenseInfo, key string) bool {
    feature := parseLicenseFeature(key)
    for _, p := range license.Properties {
        if p.Key != "feature" {
            continue
        }
    }
    return false
}
kv, ok := p.Value.(types.KeyValue)

if !ok {
    continue
}

lf := parseLicenseFeature(kv.Key)

if lf.name == feature.name && lf.level >= feature.level {
    return true
}

return false

// InfoList provides helper methods for []types.LicenseManagerLicenseInfo
type InfoList []types.LicenseManagerLicenseInfo

func (l InfoList) WithFeature(key string) InfoList {
    var result InfoList

    for _, license := range l {
        if HasFeature(license, key) {
            result = append(result, license)
        }
    }

    return result
}

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package license

import (
    "context"
    "flag"
    "github.com/vmware/govmomi/govc/cli"
    "github.com/vmware/govmomi/govc/flags"
    "github.com/vmware/govmomi/license"
)

type remove struct {
    *flags.ClientFlag
    *flags.OutputFlag
}

func init() {
    cli.Register("license.remove", &remove{ })
}

func (cmd *remove) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)

    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)
}

func (cmd *remove) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }

    // Process remove command
    return nil
}
return err
}
if err := cmd.OutputFlag.Process(ctx); err != nil {
    return err
}
return nil
}

func (cmd *remove) Usage() string {
    return "KEY..."
}

func (cmd *remove) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }

    m := license.NewManager(client)
    for _, v := range f.Args() {
        err = m.Remove(ctx, v)
        if err != nil {
            return err
        }
    }

    return nil
}
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*/

package license

import {
    "context"
type assigned struct {
    *flags.ClientFlag
    *flags.OutputFlag

    id string
}

func init() {
    cli.Register("license.assigned.ls", &assigned{})
}

func (cmd *assigned) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)
    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)

    f.StringVar(&cmd.id, "id", "", "Entity ID")
}

func (cmd *assigned) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }
    return nil
}

func (cmd *assigned) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }

m, err := license.NewManager(client).AssignmentManager(ctx)
if err != nil {
    return err
}

assigned, err := m.QueryAssigned(ctx, cmd.id)
if err != nil {
    return err
}

return cmd.WriteResult(assignedOutput(assigned))

type assignedOutput []types.LicenseAssignmentManagerLicenseAssignment

func (res assignedOutput) Write(w io.Writer) error {
    tw := tabwriter.NewWriter(os.Stdout, 4, 0, 2, ' ', 0)
    fmt.Fprintf(tw, `Id:	Scope:	Name:	License:
`)
    for _, v := range res {
        fmt.Fprintf(tw, `%s	`, v.EntityId)
        fmt.Fprintf(tw, `%s	`, v.Scope)
        fmt.Fprintf(tw, `%s	`, v.EntityDisplayName)
        fmt.Fprintf(tw, `%s	`, v.AssignedLicense.LicenseKey)
        fmt.Fprintf(tw, `\n``)
    }
    return tw.Flush()
}

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package license

import (
    "fmt"
    "io"
    "os"
    "text/tabwriter"

    "github.com/vmware/govmomi/vim25/types"
)

type licenseOutput []types.LicenseManagerLicenseInfo
func (res licenseOutput) Write(w io.Writer) error {
    tw := tabwriter.NewWriter(os.Stdout, 4, 0, 2, ' ', 0)
    fmt.Fprintf(tw, "Key:\tEdition:\tUsed:\tTotal:\n")
    for _, v := range res {
        fmt.Fprintf(tw, "%s\t", v.LicenseKey)
        fmt.Fprintf(tw, "%s\t", v.EditionKey)
        fmt.Fprintf(tw, "%d\t", v.Used)
        fmt.Fprintf(tw, "%d\t", v.Total)
        fmt.Fprintf(tw, "\n")
    }
    return tw.Flush()
}

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    "github.com/vmware/govmomi/object"
    "github.com/vmware/govmomi/vim25/methods"
    "github.com/vmware/govmomi/vim25/types"
}

type AssignmentManager struct {
    object.Common
}

func (m AssignmentManager) QueryAssigned(ctx context.Context, id string) ([]types.LicenseAssignmentManagerLicenseAssignment, error) {
    req := types.QueryAssignedLicenses{
        This:     m.Reference(),
        EntityId: id,
    }

    res, err := methods.QueryAssignedLicenses(ctx, m.Client(), &req)
    if err != nil {
        return nil, err
    }

    return res.Returnval, nil
}

func (m AssignmentManager) Remove(ctx context.Context, id string) error {
    req := types.RemoveAssignedLicense{
        This:     m.Reference(),
        EntityId: id,
    }

    _, err := methods.RemoveAssignedLicense(ctx, m.Client(), &req)
    if err != nil {
        return err
    }

    return nil
}
func (m AssignmentManager) Update(ctx context.Context, id string, key string, name string) (*types.LicenseManagerLicenseInfo, error) {
    req := types.UpdateAssignedLicense{
        This:              m.Reference(),
        Entity:            id,
        LicenseKey:        key,
        EntityDisplayName: name,
    }
    res, err := methods.UpdateAssignedLicense(ctx, m.Client(), &req)
    if err != nil {
        return nil, err
    }
    return &res.Returnval, nil
}

1.3065 h2o2 8.2.0

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1.3067 asm 5.0.4

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* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/tree/package.html
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/signature/package.html
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/tree/analysis/package.html
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 */
/**
 * Creates a new JSRInliner. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * [ @link #JSRInlinerAdapter(int, MethodVisitor, int, String, String, String, String[]])
 * version.
 *
 * @param mv
 * the <code>MethodVisitor</code> to send the resulting inlined
method code to (use <code>null</code> for none).
* @param access
  the method’s access flags (see [ @link Opcodes )]. This
  parameter also indicates if the method is synthetic and/or
  deprecated.
* @param name
  the method’s name.
* @param desc
  the method’s descriptor (see [ @link Type ]).
* @param signature
  the method’s signature. May be <tt>null</tt>.
* @param exceptions
  the internal names of the method’s exception classes (see
  { @link Type#internalName() getInternalName() }]. May be
  <tt>null</tt>.
* @throws IllegalStateException
  If a subclass calls this constructor.
*/

Found in path(s):
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-
  jar/org/objectweb/asm/commons/JSRInlinerAdapter.java
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* @param desc
*   the method's descriptor (see [@link Type Type]).
* @throws IllegalStateException
*   If a subclass calls this constructor.
*/

Found in path(s):
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*/
/**
* Constructs a new [@link Textifier]. <i>Subclasses must not use this
* constructor</i>. Instead, they must use the [@link #Textifier(int)]
* version.
* 
* @throws IllegalStateException
*   If a subclass calls this constructor.
*/
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 */
/**
 * Constructs a new [ @link ClassNode ]. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the [ @link ClassNode(int) ]
 * version.
 *
 * @throws IllegalStateException
 * @throws IllegalArgumentException
 * @throws NullPointerException
 * If a subclass calls this constructor.
 */

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Constructs a new \{@link LocalVariableAnnotationNode\}. \textit{Subclasses must
not use this constructor}. Instead, they must use the
\{@link #LocalVariableAnnotationNode(int, TypePath, LabelNode[], LabelNode[], int[], String)}
version.

@param typeRef
a reference to the annotated type. See \{@link TypeReference\}.

@param typePath
the path to the annotated type argument, wildcard bound, array
element type, or static inner type within 'typeRef'. May be
\texttt{null} if the annotation targets 'typeRef' as a whole.

@param start
the first instructions corresponding to the continuous ranges
that make the scope of this local variable (inclusive).

@param end
the last instructions corresponding to the continuous ranges
that make the scope of this local variable (exclusive). This
array must have the same size as the 'start' array.

@param index
the local variable's index in each range. This array must have
the same size as the 'start' array.
@param desc
the class descriptor of the annotation class.
*/

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* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/util/Printer.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/optimizer/Shrinker.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/commons/Method.java
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* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/tree/MethodInsnNode.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/MethodVisitor.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/util/TraceFieldVisitor.java
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* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/optimizer/ClassConstantsCollector.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/util/CheckSignatureAdapter.java
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*/
/**
* Creates a new { @link AnalyzerAdapter}. <i>Subclasses must not use this
* constructor</i>. Instead, they must use the
* {@link #AnalyzerAdapter(int, String, int, String, String, MethodVisitor)}
* version.
*
* @param owner
* the owner's class name.
* @param access
* the method's access flags (see {@link Opcodes}).
* @param name
* the method's name.
* @param desc
* the method's descriptor (see {@link Type Type}).
* @param mv
* the method visitor to which this adapter delegates calls. May
* be <tt>null</tt>.
* @throws IllegalStateException
* If a subclass calls this constructor.
*/

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1.3068 commons-cli 1.4

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/***
* Constructs a new [@link Textifier]. <i>Subclasses must not use this
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* version.
*@
* @throws IllegalStateException
* If a subclass calls this constructor.
/**

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*/

/**
* Creates a new {@link AnalyzerAdapter}. <i>Subclasses must not use this
* constructor</i>. Instead, they must use the
* {@link #AnalyzerAdapter(int, String, int, String, String, MethodVisitor)}
* version.
*
* @param owner
* the owner's class name.
* @param access
* the method's access flags (see {@link Opcodes}).
* @param name
* the method's name.
*/
/**
 * @param desc
 * the method's descriptor (see [@link Type Type]).
 * @param mv
 * the method visitor to which this adapter delegates calls. May be <tt>null</tt>.
 * @throws IllegalStateException
 * If a subclass calls this constructor.
 */

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jar/org/objectweb/asm/commons/AnalyzerAdapter.java
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  jar/org/objectweb/asm/TypeReference.java
* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
  jar/org/objectweb/asm/TypePath.java
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     */

     /** *
     * Constructs a new LocalVariableAnnotationNode. <i>Subclasses must
     * not use this constructor</i>. Instead, they must use the
     * LocalVariableAnnotationNode(int, TypePath, LabelNode[], LabelNode[], int[], String)
     * version.
     *
     * @param typeRef
     *            a reference to the annotated type. See TypeReference.
     *
     * @param typePath
     *            the path to the annotated type argument, wildcard bound, array
     *            element type, or static inner type within 'typeRef'. May be
     *            null if the annotation targets 'typeRef' as a whole.
     *
     * @param start
     *            the first instructions corresponding to the continuous ranges
     *            that make the scope of this local variable (inclusive).
     *
     * @param end
     *            the last instructions corresponding to the continuous ranges
     *            that make the scope of this local variable (exclusive). This
     *            array must have the same size as the 'start' array.
     *
     * @param index
     *            the local variable's index in each range. This array must have
     *            the same size as the 'start' array.
     *
     * @param desc
     *            the class descriptor of the annotation class.
     *
     */

     Found in path(s):
     /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
     jar/org/objectweb/asm/tree/LocalVariableAnnotationNode.java
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* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
  jar/org/objectweb/asm/tree/LineNumberNode.java
* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
  jar/org/objectweb/asm/tree/AbstractInsnNode.java
* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
  jar/org/objectweb/asm/tree/analysis/Frame.java
* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
  jar/org/objectweb/asm/tree/analysis/AnalyzerException.java
* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
  jar/org/objectweb/asm/util/CheckAnnotationAdapter.java
* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
  jar/org/objectweb/asm/util/TraceMethodVisitor.java
* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
  jar/org/objectweb/asm/optimizer/ConstantPool.java
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  jar/org/objectweb/asm/MethodWriter.java
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- jar/org/objectweb/asm/commons/StaticInitMerger.java
- * /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4.jar/org/objectweb/asm/util/TraceClassVisitor.java
- /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4.jar/org/objectweb/asm/commons/SerialVersionUIDAdder.java
- * /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4.jar/org/objectweb/asm/util/TraceFieldVisitor.java
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- /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4.jar/org/objectweb/asm/ClassReader.java
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/**
 * Constructs a new [@link ClassNode]. <i>Subclasses must not use this
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 *
 * @throws IllegalStateException
 *     If a subclass calls this constructor.
 */

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* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
  jar/org/objectweb/asm/xml/SAXClassAdapter.java
* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
  jar/org/objectweb/asm/xml/ASMContentHandler.java
* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
  jar/org/objectweb/asm/xml/SAXAnnotationAdapter.java
* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
  jar/org/objectweb/asm/xml/Processor.java
* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
  jar/org/objectweb/asm/xml/SAXCodeAdapter.java
* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
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* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
jar/org/objectweb/asm/optimizer/shrink-frames.properties
* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
jar/org/objectweb/asm/optimizer/shrink-annotations.properties
* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
jar/org/objectweb/asm/optimizer/shrink-writer.properties
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jar/org/objectweb/asm/optimizer/shrink.properties
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*/
/**
 * Creates a new JSRInliner. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * [JSRInlinerAdapter](https://github.com/objectweb/asm/commons/JSRInlinerAdapter.java)
 * version.
 *
 * @param mv
 * the <code>MethodVisitor</code> to send the resulting inlined
 * method code to (use <code>null</code> for none).
 * @param access
 * the method's access flags (see [Opcodes]). This
 * parameter also indicates if the method is synthetic and/or
 * deprecated.
 * @param name
 * the method's name.
 * @param desc
 * the method's descriptor (see [Type]).
 * @param signature
 * the method's signature. May be <tt>null</tt>.
 * @param exceptions
 * the internal names of the method's exception classes (see
 * [Type#getInternalName()](https://github.com/objectweb/asm/commons/JSRInlinerAdapter.java)).
 * May be <tt>null</tt>.
 * @throws IllegalStateException
 * If a subclass calls this constructor.
 */

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/**
 * Creates a new {@link GeneratorAdapter}. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * {@link #GeneratorAdapter(int, MethodVisitor, int, String, String)}
 * version.
 *
 * @param mv
 *   the method visitor to which this adapter delegates calls.
 * @param access
 *   the method's access flags (see {@link Opcodes}).
 * @param name
 *   the method's name.
 * @param desc
 *   the method's descriptor (see {@link Type Type}).
 * @throws IllegalStateException
 *   If a subclass calls this constructor.
 */

Found in path(s):
* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
  jar/org/objectweb/asm/commons/GeneratorAdapter.java

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dns.c - Recursive, Reentrant DNS Resolver.
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1.3122 are-we-there-yet 1.1.4

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1.3125 farsightsec-golang-framestream v0.3.0

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1.3129 es6-promise 4.2.8

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

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

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

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

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

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

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

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

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

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

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

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

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

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

d) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
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e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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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Version 3, 29 June 2007

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

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The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

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work) run the object code and to modify the work, including scripts to 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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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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* 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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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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pkg 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{},
    }
    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) 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 {
            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
        }

    return body

    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
    }

    return body
}
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
            } else {
                return body
            }
        } else {
            id := types.ManagedObjectReference{
                Type: "HostSystem",
                Value: req.EntityId,
            }

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

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

    return body
}

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

    info.LicenseKey = key
    info.Labels = labels

    return info
}

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package 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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# 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
```

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

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

```bash

```
```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>
```

{% sample lang="yaml" %}
```
bash
kubectl cp /tmp/foo <some-pod>:/tmp/bar -c <specific-container>
bash
```

{% endmethod %}

{% method %}
## Namespaces

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

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

{% sample lang="yaml" %}
```
bash
cp /tmp/foo <some-namespace>/<some-pod>:/tmp/bar
bash
```

{% endmethod %}

runc

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theory
jboverfelt
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wallclockbuilder
dansouza
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#
# Auto-generated with:
# git log --oneline --pretty=format:'%an <%aE>' | sort -u
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1.3158 goanywhere-env 0.0.0-20190910160045

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func initBsdClause2() {
    Licenses["freebsd"] = License{
        Name: "Simplified BSD License",
        PossibleMatches: []string{"freebsd", "simpbsd", "simple bsd", "2-clause bsd",
        "2 clause bsd", "simplified bsd license"},
        Header: "All rights reserved.

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func initBsdClause3() {
    Licenses["bsd"] = License{
        Name:            "NewBSD",
        PossibleMatches: []string{"bsd", "newbsd", "3 clause bsd", "3-clause bsd"},
        Header: `All rights reserved.
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func initGpl2() {
    Licenses["gpl2"] = License{
        Name:            "GNU General Public License 2.0",
        PossibleMatches: []string{"gpl2", "gnu gpl2", "gplv2"},
        Header: `
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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 userLicense != "" {
        return findLicense(userLicense)
    }
    if viper.IsSet("license.header") || viper.IsSet("license.text") {
        return License{Header: viper.GetString("license.header"),
                      Text: viper.GetString("license.text")}
    }
    if viper.IsSet("license") {
        return findLicense(viper.GetString("license"))
    }
    return Licenses["apache"]
}

// 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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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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        (at your option) any later version.

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```
<program>  Copyright (C) <year>  <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type 'show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type 'show c' for details.
```

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```
`,
```
}
```
}
package cmd

func initLgpl() {
Licenses["lgpl"] = License{
Name: "GNU Lesser General Public License",
PossibleMatches: []string{"lgpl", "lesser gpl", "gnu lgpl"},
Header: `This program is free software: you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

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

func initAgpl() { 
Licenses["agpl"] = License{ 
Name: "GNU Affero General Public License", 
PossibleMatches: []string{"agpl", "affero gpl", "gnu agpl"}, 
Header: 
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it under the terms of the GNU Affero General Public License as published by 
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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: `
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    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
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1.3179 logstash-filter-useragent 3.2.4-java
1.3179.1 Available under license :
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Found in path(s):
* /opt/cola/permits/1156540485_1619205105.97/0/rubyzip-1-2-4-gem/data-tar-gz/test/data/path_traversal/jwilk/README.md

Found in path(s):
* /opt/cola/permits/1156540485_1619205105.97/0/rubyzip-1-2-4-gem/data-tar-gz/lib/zip/crypto/traditional_encryption.rb
* /opt/cola/permits/1156540485_1619205105.97/0/rubyzip-1-2-4-gem/data-tar-gz/lib/zip/compressor.rb
* /opt/cola/permits/1156540485_1619205105.97/0/rubyzip-1-2-4-gem/data-tar-gz/lib/zip/crypto/encryption.rb
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* /opt/cola/permits/1156540485_1619205105.97/0/rubyzip-1-2-4-gem/data-tar-gz/lib/zip/null_decompressor.rb
* /opt/cola/permits/1156540485_1619205105.97/0/rubyzip-1-2-4-gem/data-tar-gz/lib/zip/streamable_stream.rb
* /opt/cola/permits/1156540485_1619205105.97/0/rubyzip-1-2-4-gem/data-tar-gz/lib/zip/null_input_stream.rb
* /opt/cola/permits/1156540485_1619205105.97/0/rubyzip-1-2-4-gem/data-tar-gz/test/data/path_traversal/jwilk/README.md
#!/usr/bin/env ruby

$VERBOSE = true

require 'rubyunit'
require 'zip'
include Zip

Dir.chdir "test"

class AbstractInputStreamTest < RUNIT::TestCase
  # AbstractInputStream subclass that provides a read method

  TEST_LINES = [ "Hello world#$/",
                 "this is the second line#$/",
                 "this is the last line"]
  TEST_STRING = TEST_LINES.join
  class TestAbstractInputStream
    include AbstractInputStream
    def initialize(aString)
      @contents = aString
      @readPointer = 0
    end

    def read(charsToRead)
      retVal=@contents[@readPointer, charsToRead]
      @readPointer+=charsToRead
      return retVal
    end

    def produceInput
      read(100)
    end

    def inputFinished?
      @contents[@readPointer] == nil
    end
  end

  def setup
    @io = TestAbstractInputStream.new(TEST_STRING)
  end

  def testInitializesInputStream
    @io.should_not be_nil
  end

  def testInputIsProperlyProcessed
    io = TestAbstractInputStream.new(TEST_STRING)
    io.produceInput
    io.inputFinished?
  end

end

class TestAbstractInputStream
  # AbstractInputStream subclass that provides a read method

  TEST_LINES = [ "Hello world#$/",
                 "this is the second line#$/",
                 "this is the last line"]
  TEST_STRING = TEST_LINES.join
  class TestAbstractInputStream
    include AbstractInputStream
    def initialize(aString)
      @contents = aString
      @readPointer = 0
    end

    def read(charsToRead)
      retVal=@contents[@readPointer, charsToRead]
      @readPointer+=charsToRead
      return retVal
    end

    def produceInput
      read(100)
    end

    def inputFinished?
      @contents[@readPointer] == nil
    end
  end

  def setup
    @io = TestAbstractInputStream.new(TEST_STRING)
  end

end
def test_gets
  assert_equals(TEST_LINES[0], @io.gets)
  assert_equals(TEST_LINES[1], @io.gets)
  assert_equals(TEST_LINES[2], @io.gets)
  assert_equals(nil, @io.gets)
end

def test_getsMultiCharSeperator
  assert_equals("Hell", @io.gets("ll"))
  assert_equals("o world#$\{}/this is the second l", @io.gets("d l"))
end

def test_each_line
  lineNumber=0
  @io.each_line { |line|
    assert_equals(TEST_LINES[lineNumber], line)
    lineNumber+=1
  }
end

def test_readlines
  assert_equals(TEST_LINES, @io.readlines)
end

def test_readline
  test_gets
  begin
    @io.readline
    fail "EOFError expected"
  rescue EOFError
    end
  end
end

class ZipEntryTest < RUNIT::TestCase
  TEST_ZIPFILE = "someZipFile.zip"
  TEST_COMMENT = "a comment"
  TEST_COMPRESSED_SIZE = 1234
  TEST_CRC = 325324
  TEST_EXTRA = "Some data here"
  TEST_COMPRESSIONMETHOD = ZipEntry::DEFLATED
  TEST_NAME = "entry name"
  TEST_SIZE = 8432
  TEST_ISDIRECTORY = false

  def test_constructorAndGetters
entry = ZipEntry.new(TEST ZIPFILE, TEST NAME, TEST COMMENT, TEST EXTRA, TEST COMPRESSED SIZE, TEST CRC, TEST COMPRESSION METHOD, TEST SIZE)

assert_equal(TEST COMMENT, entry.comment)
assert_equal(TEST_COMPRESSED_SIZE, entry.compressedSize)
assert_equal(TEST_CRC, entry.crc)
assert_equal(TEST_EXTRA, entry.extra)
assert_equal(TEST_COMPRESSION_METHOD, entry.compressionMethod)
assert_equal(TEST_NAME, entry.name)
assert_equal(TEST_SIZE, entry.size)
assert_equal(TEST_ISDIRECTORY, entry.isDirectory)

end
def test_equality
entry1 = ZipEntry.new("file.zip", "name", "isNotCompared", "something extra", 123, 1234, ZipEntry::DEFLATED, 10000)
entry2 = ZipEntry.new("file.zip", "name", "isNotComparedXXX", "something extra", 123, 1234, ZipEntry::DEFLATED, 10000)
entry3 = ZipEntry.new("file.zip", "name2", "isNotComparedXXX", "something extra", 123, 1234, ZipEntry::DEFLATED, 10000)
entry4 = ZipEntry.new("file.zip", "name2", "isNotComparedXXX", "something extraXX", 123, 1234, ZipEntry::DEFLATED, 10000)
entry5 = ZipEntry.new("file.zip", "name2", "isNotComparedXXX", "something extraXX", 12, 1234, ZipEntry::DEFLATED, 10000)
entry6 = ZipEntry.new("file.zip", "name2", "isNotComparedXXX", "something extraXX", 12, 123, ZipEntry::DEFLATED, 10000)
entry7 = ZipEntry.new("file.zip", "name2", "isNotComparedXXX", "something extraXX", 12, 123, ZipEntry::STORED, 10000)
entry8 = ZipEntry.new("file.zip", "name2", "isNotComparedXXX", "something extraXX", 12, 123, ZipEntry::STORED, 10000)

assert_equal(entry1, entry1)
assert_equal(entry1, entry2)
assert(entry2 != entry3)
assert(entry3 != entry4)
assert(entry4 != entry5)
assert(entry5 != entry6)
assert(entry6 != entry7)
assert(entry7 != entry8)

assert(entry7 != "hello")
assert(entry7 != 12)
end
end

module IOizeString
  attr_reader :tell

  def read(count = nil)
    @tell ||= 0
    count = size unless count
    retVal = slice(@tell, count)
    @tell += count
    return retVal
  end

  def seek(index, offset)
    @tell ||= 0
    case offset
    when IO::SEEK_END
      newPos = size + index
    when IO::SEEK_SET
      newPos = index
    when IO::SEEK_CUR
      newPos = @tell + index
    else
      raise "Error in test method IOizeString::seek"
    end
    if (newPos < 0 || newPos >= size)
      raise Errno::EINVAL
    else
      @tell = newPos
    end
  end

  def reset
    @tell = 0
  end
end

class ZipLocalEntryTest < RUNIT::TestCase
def test_readLocalEntryHeaderOfFirstTestZipEntry
File.open(\#{TestZipFile::TEST_ZIP3.zipName}) { |file|
  entry = ZipEntry.readLocalEntry(file)

  assert_equal("", entry.comment)
  # Differs from windows and unix because of CR LF
  # assert_equal(480, entry.compressedSize)
  # assert_equal(0x2a27930f, entry.crc)
  # extra field is 21 bytes long
  # probably contains some unix attributes or something
  # disabled: assert_equal(nil, entry.extra)
  assert_equal(ZipEntry::DEFLATED, entry.compressionMethod)
  assert_equal(\#{TestZipFile::TEST_ZIP3.entryNames[0]}, entry.name)
  assert_equal(File.size(\#{TestZipFile::TEST_ZIP3.entryNames[0]}), entry.size)
  assert(!entry.isDirectory)
}
end

def test_readLocalEntryFromNonZipFile
File.open("ziptest.rb") { |file|
  assert_equal(nil, ZipEntry.readLocalEntry(file))
}
end

def test_readLocalEntryFromTruncatedZipFile
  zipFragment=""
  File.open(\#{TestZipFile::TEST_ZIP2.zipName}) { |f| zipFragment = f.read(12) } # local header is at least 30 bytes
  zipFragment.extend(IOizeString).reset
  entry = ZipEntry.new
  entry.readLocalEntry(zipFragment)
  fail "ZipError expected"
rescue ZipError
end

def test_writeEntry
  entry = ZipEntry.new("file.zip", "entryName", "my little comment",
  "thisIsSomeExtraInformation", 100, 987654,
  ZipEntry::DEFLATED, 400)
  writeToFile("localEntryHeader.bin", "centralEntryHeader.bin", entry)
  entryReadLocal, entryReadCentral = readFromFile("localEntryHeader.bin", "centralEntryHeader.bin")
  compareLocalEntryHeaders(entry, entryReadLocal)
  compareCDirEntryHeaders(entry, entryReadCentral)
end

private
  def compareLocalEntryHeaders(entry1, entry2)
assert_equal(entry1.compressedSize, entry2.compressedSize)
assert_equal(entry1.crc, entry2.crc)
assert_equal(entry1.extra, entry2.extra)
assert_equal(entry1.compressionMethod, entry2.compressionMethod)
assert_equal(entry1.name, entry2.name)
assert_equal(entry1.size, entry2.size)
assert_equal(entry1.localHeaderOffset, entry2.localHeaderOffset)
end

def compareCDirEntryHeaders(entry1, entry2)
  compareLocalEntryHeaders(entry1, entry2)
  assert_equal(entry1.comment, entry2.comment)
end

def writeToFile(localFileName, centralFileName, entry)
  File.open(localFileName, "wb") { |f| entry.writeLocalEntry(f) }
  File.open(centralFileName, "wb") { |f| entry.writeCDirEntry(f) }
end

def readFromFile(localFileName, centralFileName)
  localEntry = nil
  cdirEntry = nil
  File.open(localFileName, "rb") { |f| localEntry = ZipEntry.readLocalEntry(f) }
  File.open(centralFileName, "rb") { |f| cdirEntry = ZipEntry.readCDirEntry(f) }
  return [localEntry, cdirEntry]
end
end

module DecompressorTests
  # expects @refText and @decompressor

def test_readEverything
  assert_equal(@refText, @decompressor.read)
end

def test_readInChunks
  chunkSize = 5
  while (decompressedChunk = @decompressor.read(chunkSize))
    assert_equal(@refText.slice!(0, chunkSize), decompressedChunk)
  end
  assert_equal(0, @refText.size)
end
end

class InflaterTest < RUNIT::TestCase
  include DecompressorTests
end
def setup
    @file = File.new("file1.txt.deflatedData", "rb")
    @refText=""
    File.open("file1.txt") { |f| @refText = f.read }
    @decompressor = Inflater.new(@file)
end

def teardown
    @file.close
end

class PassThruDecompressorTest < RUNIT::TestCase
    include DecompressorTests
    TEST_FILE="file1.txt"
    def setup
        @file = File.new(TEST_FILE)
        @refText=""
        File.open(TEST_FILE) { |f| @refText = f.read }
        @decompressor = PassThruDecompressor.new(@file, File.size(TEST_FILE))
    end

def teardown
    @file.close
end

module AssertEntry
    def assertNextEntry(filename, zis)
        assertEntry(filename, zis, zis.getNextEntry.name)
    end

def assertEntry(filename, zis, entryName)
    assert_equals(filename, entryName)
    assertEntryContentsForStream(filename, zis, entryName)
end

def assertEntryContentsForStream(filename, zis, entryName)
    File.open(filename, "rb") { |file|
        expected = file.read
        actual   = zis.read
        if (expected != actual)
            if (expected.length > 400 || actual.length > 400)
                zipEntryFilename=entryName+.zipEntry"
                File.open(zipEntryFilename, "wb") { |file| file << actual }
            end
        end
    end
end
fail("File '#{filename}' is different from '#{zipEntryFilename}"")
else
  assert_equal(expected, actual)
end
}
end

def AssertEntry.assertContents(filename, aString)
  fileContents = ""
  File.open(filename, "rb") { |f| fileContents = f.read }
  if (fileContents != aString)
    if (expected.length > 400 || actual.length > 400)
      stringFile = filename + ".other"
      File.open(stringFile, "wb") { |f| f << aString }
      fail("File '#{filename}' is different from contents of string stored in '#{stringFile}'")
    else
      assert_equal(expected, actual)
    end
  end
end

def assertStreamContents(zis, testZipFile)
  assert(zis != nil)
  testZipFile.entryNames.each { 
    |entryName|
    assertNextEntry(entryName, zis)
  }
  assert_equal(nil, zis.getNextEntry)
end

def assertTestZipContents(testZipFile)
  ZipInputStream.open(testZipFile.zipName) { 
    |zis|
    assertStreamContents(zis, testZipFile)
  }
end

def assertEntryContents(zipFile, entryName, filename = entryName.to_s)
  zis = zipFile.getInputStream(entryName)
  assertEntryContentsForStream(filename, zis, entryName)
ensure
  zis.close if zis
end
end
class ZipInputStreamTest < RUNIT::TestCase
  include AssertEntry

  def test_new
    zis = ZipInputStream.new(TestZipFile::TEST ZIP2.zipName)
    assertStreamContents(zis, TestZipFile::TEST ZIP2)
    zis.close
  end

  def test_openWithBlock
    ZipInputStream.open(TestZipFile::TEST ZIP2.zipName) { 
      |zis|
      assertStreamContents(zis, TestZipFile::TEST ZIP2) 
    } 
  end

  def test_openWithoutBlock
    zis = ZipInputStream.open(TestZipFile::TEST ZIP2.zipName)
    assertStreamContents(zis, TestZipFile::TEST ZIP2)
  end

  def test_incompleteReads
    ZipInputStream.open(TestZipFile::TEST ZIP2.zipName) { 
      |zis|
      entry = zis.getNextEntry
      assert_equals(TestZipFile::TEST ZIP2.entryNames[0], entry.name)
      assert zis.gets.length > 0
      entry = zis.getNextEntry
      assert_equals(TestZipFile::TEST ZIP2.entryNames[1], entry.name)
      assert_equals(0, entry.size)
      assert_equals(nil, zis.gets)
      entry = zis.getNextEntry
      assert_equals(TestZipFile::TEST ZIP2.entryNames[2], entry.name)
      assert zis.gets.length > 0
      entry = zis.getNextEntry
      assert_equals(TestZipFile::TEST ZIP2.entryNames[3], entry.name)
      assert zis.gets.length > 0
    } 
  end

end

class TestFiles
  RANDOM ASCII FILE1  = "randomAscii1.txt"
  RANDOM ASCII FILE2  = "randomAscii2.txt"
  RANDOM ASCII FILE3  = "randomAscii3.txt"
  RANDOM BINARY FILE1 = "randomBinary1.bin"
  RANDOM BINARY FILE2 = "randomBinary2.bin"

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EMPTY_TEST_DIR = "emptytestdir"

ASCII_TEST_FILES = [ RANDOM_ASCII_FILE1, RANDOM_ASCII_FILE2, RANDOM_ASCII_FILE3 ]
BINARY_TEST_FILES = [ RANDOM_BINARY_FILE1, RANDOM_BINARY_FILE2 ]
TEST_DIRECTORIES = [ EMPTY_TEST_DIR ]
TEST_FILES = [ ASCII_TEST_FILES, BINARY_TEST_FILES, EMPTY_TEST_DIR ].flatten!

def TestFiles.createTestFiles(recreate)
    if (recreate || ! (TEST_FILES.inject(true) { |accum, element| accum && File.exists?(element) }))

        ASCII_TEST_FILES.each_with_index {
            |filename, index|
            createRandomAscii(filename, 1E4 * (index+1))
        }

        BINARY_TEST_FILES.each_with_index {
            |filename, index|
            createRandomBinary(filename, 1E4 * (index+1))
        }

        ensureDir(EMPTY_TEST_DIR)
    end
end

private

def TestFiles.createRandomAscii(filename, size)
    File.open(filename, "wb") {
        |file|
        while (file.tell < size)
            file << rand
        end
    }
end

def TestFiles.createRandomBinary(filename, size)
    File.open(filename, "wb") {
        |file|
        while (file.tell < size)
            file << rand.to_a.pack("V")
        end
    }
end

def TestFiles.ensureDir(name)
    if File.exists?(name)
        return if File.stat(name).directory?
    end
end
File.delete(name)
end
Dir.mkdir(name)
end

def TestZipFile.createTestZips(recreate)
  files = Dir.entries(".")
  if (recreate ||
    ! (files.index(TEST_ZIP1.zipName) &&
        files.index(TEST_ZIP2.zipName) &&
        files.index(TEST_ZIP3.zipName) &&
        files.index(TEST_ZIP4.zipName) &&
        files.index("empty.txt") &&
        files.index("short.txt") &&
        files.index("longAscii.txt") &&
        files.index("longBinary.bin")))
    raise "failed to create test zip '#{TEST_ZIP1.zipName}'" unless
    system("zip '#{TEST_ZIP1.zipName} ziptest.rb")
    raise "failed to remove entry from '#{TEST_ZIP1.zipName}'" unless
    system("zip '#{TEST_ZIP1.zipName} -d ziptest.rb")
  end
  File.open("empty.txt", "w") { }
  File.open("short.txt", "w") { |file| file << "ABCDEF" }
  File.open("ziptest.rb") { |file| ziptestTxt=file.read }
  File.open("longAscii.txt", "w") { |file|
    while (file.tell < 1E5)
      file << ziptestTxt
    end
  }
  testBinaryPattern=""
  File.open("empty.zip") { |file| testBinaryPattern=file.read }

testBinaryPattern *= 4

File.open("longBinary.bin", "wb") {
|file|
while (file.tell < 3E5)
    file << testBinaryPattern << rand
end
}
raise "failed to create test zip '#{TEST_ZIP2.zipName}'" unless
system("zip #{TEST_ZIP2.zipName} #{TEST_ZIP2.entryNames.join(' ')}")

# without bash system interprets everything after echo as parameters to
# echo including | zip -z ...
raise "failed to add comment to test zip '#{TEST_ZIP2.zipName}'" unless
system("bash -c \"echo #{TEST_ZIP2.comment} \| zip -z #{TEST_ZIP2.zipName}\"\")
raise "failed to create test zip '#{TEST_ZIP3.zipName}'" unless
system("zip #{TEST_ZIP3.zipName} #{TEST_ZIP3.entryNames.join(' ')}")
raise "failed to create test zip '#{TEST_ZIP4.zipName}'" unless
system("zip #{TEST_ZIP4.zipName} #{TEST_ZIP4.entryNames.join(' ')}")
end
rescue
    raise $!.to_s +
    "\nziptest.rb requires the Info-ZIP program 'zip' in the path\n" +
    "to create test data. If you don't have it you can download\n" +
    "the necessary test files at http://sf.net/projects/rubyzip."
end

TEST_ZIP1 = TestZipFile.new("empty.zip", [])
TEST_ZIP2 = TestZipFile.new("4entry.zip", %w{ longAscii.txt empty.txt short.txt longBinary.bin},
    "my zip comment")
TEST_ZIP3 = TestZipFile.new("test1.zip", %w{ file1.txt })
TEST_ZIP4 = TestZipFile.new("zipWithDir.zip", %w{ file1.txt},
    TestFiles::EMPTY_TEST_DIR)
end

class AbstractOutputStreamTest < RUNIT::TestCase
class TestOutputStream
    include AbstractOutputStream

    attr_accessor :buffer

    def initialize
        @buffer = ""
    end
end
def << (data)
    @buffer << data
    self
end
end

def setup
    @outputStream = TestOutputStream.new
    @origCommaSep = $,
    @origOutputSep = $\n
end

def teardown
    $, = @origCommaSep
    $\ = @origOutputSep
end

def test_write
    count = @outputStream.write("a little string")
    assert_equals("a little string", @outputStream.buffer)
    assert_equals("a little string".length, count)

    count = @outputStream.write(". a little more")
    assert_equals("a little string. a little more", @outputStream.buffer)
    assert_equals(". a little more".length, count)
end

def test_print
    $\ = nil # record separator set to nil
    @outputStream.print("hello")
    assert_equals("hello", @outputStream.buffer)

    @outputStream.print(" world.")
    assert_equals("hello world.", @outputStream.buffer)

    @outputStream.print(" You ok ", "out ", "there?")
    assert_equals("hello world. You ok out there?", @outputStream.buffer)

    $\ = "$n
    @outputStream.print
    assert_equals("hello world. You ok out there?$n", @outputStream.buffer)

    @outputStream.print("I sure hope so!")
    assert_equals("hello world. You ok out there?$n I sure hope so!$n", @outputStream.buffer)

    $, = "X"
    @outputStream.buffer = ""

@outputStream.print("monkey", "duck", "zebra")
assert_equals("monkeyXduckXzebra\n", @outputStream.buffer)

$\ = nil
@outputStream.buffer = ""
@outputStream.print(20)
assert_equals("20", @outputStream.buffer)
end

def test_printf
  @outputStream.printf("%d %04x", 123, 123)
  assertequals("123 007b", @outputStream.buffer)
end

def test_putchar
  @outputStream.putc("A")
  assert_equals("A", @outputStream.buffer)
  @outputStream.putc(65)
  assert_equals("AA", @outputStream.buffer)
end

def test_puts
  @outputStream.puts
  assert_equals("\n", @outputStream.buffer)
  @outputStream.puts("hello", "world")
  assert_equals("\nhello\nworld\n", @outputStream.buffer)

  @outputStream.buffer = ""
  @outputStream.puts("hello\n", "world\n")
  assert_equals("hello\nworld\n", @outputStream.buffer)

  @outputStream.buffer = ""
  @outputStream.puts(["hello\n", "world\n"])
  assert_equals("hello\nworld\n", @outputStream.buffer)

  @outputStream.buffer = ""
  @outputStream.puts(["hello\n", "world\n", "bingo"])
  assert_equals("hello\nworld\nbingo\n", @outputStream.buffer)

  @outputStream.buffer = ""
  @outputStream.puts(16, 20, 50, "hello")
  assert_equals("16\n20\n50\nhello\n", @outputStream.buffer)
end
end

module CrcTest
def runCrcTest(compressorClass)
    str = "Here's a nice little text to compute the crc for! Ho hum, it is nice nice nice nice indeed."
    fakeOut = AbstractOutputStreamTest::TestOutputStream.new

    deflater = compressorClass.new(fakeOut)
    deflater << str
    assert_equals(0x919920fc, deflater.crc)
end

class PassThruCompressorTest < RUNIT::TestCase
    include CrcTest

    def test_size
        File.open("dummy.txt", "wb") {
            |file|
            compressor = PassThruCompressor.new(file)

            assert_equals(0, compressor.size)

            t1 = "hello world"
            t2 = ""
            t3 = "bingo"

            compressor << t1
            assert_equals(compressor.size, t1.size)

            compressor << t2
            assert_equals(compressor.size, t1.size + t2.size)

            compressor << t3
            assert_equals(compressor.size, t1.size + t2.size + t3.size)
        }
    end

    def test_crc
        runCrcTest(PassThruCompressor)
    end
end

class DeflaterTest < RUNIT::TestCase
    include CrcTest

    def test_outputOperator
        txt = loadFile("ziptest.rb")
        deflate(txt, "deflatertest.bin")
    end
end
inflatedTxt = inflate("deflatertest.bin")
assert_equal(text, inflatedTxt)
end

private
def loadFile(fileName)
  text = nil
  File.open(fileName, "rb") { |f| text = f.read }
end

def deflate(data, fileName)
  File.open(fileName, "wb") {
    |file|
    deflater = Deflater.new(file)
    deflater << data
    deflater.finish
    assert_equal(deflater.size, data.size)
    file << "trailing data for zlib with -MAX_WBITS"
  }
end

def inflate(fileName)
  text = nil
  File.open(fileName, "rb") {
    |file|
    inflater = Inflater.new(file)
    text = inflater.read
  }
end

def test_crc
  runCrcTest(Deflater)
end
end

class ZipOutputStreamTest < RUNIT::TestCase
  include AssertEntry

  TEST_ZIP = TestZipFile::TEST_ZIP2.clone
  TEST_ZIP.zipName = "output.zip"

  def test_new
    zos = ZipOutputStream.new(TEST_ZIP.zipName)
    zos.comment = TEST_ZIP.comment
    writeTestZip(zos)
    zos.close
    assertTestZipContents(TEST_ZIP)
  end
end
def test_open
  ZipOutputStream.open(TEST_ZIP.zipName) {
    |zos|
    zos.comment = TEST_ZIP.comment
    writeTestZip(zos)
  }
  assertTestZipContents(TEST_ZIP)
end

def test_writingToClosedStream
  assertIOErrorInClosedStream { |zos| zos << "hello world" }
  assertIOErrorInClosedStream { |zos| zos.puts "hello world" }
  assertIOErrorInClosedStream { |zos| zos.write "hello world" }
end

def test_cannotOpenFile
  name = TestFiles::EMPTY_TEST_DIR
  begin
    zos = ZipOutputStream.open(name)
    rescue Exception
      assert($!.kind_of?(Errno::EISDIR) || # Linux
        $!.kind_of?(Errno::EEXIST) || # Windows/cygwin
        $!.kind_of?(Errno::EACCES),   # Windows
        "Expected Errno::EISDIR (or on win/cygwin: Errno::EEXIST), but was: #{$!.type")")
    end
  end
end

def assertIOErrorInClosedStream
  assert_exception(IOError) {
    zos = ZipOutputStream.new("test_putOnClosedStream.zip")
    zos.close
    yield zos
  }
end

def writeTestZip(zos)
  TEST_ZIP.entryNames.each {
    |entryName|
    zos.putNextEntry(entryName)
    File.open(entryName, "rb") { |f| zos.write(f.read) }
  }
end

module Enumerable
def compareEnumerables(otherEnumerable)
    otherAsArray = otherEnumerable.to_a
    index = 0
    each_with_index { |element, index|
        return false unless yield(element, otherAsArray[index])
    }
    return index + 1 == otherAsArray.size
end

class ZipCentralDirectoryEntryTest < RUNIT::TestCase

    def test_readFromStream
        File.open("testDirectory.bin", "rb") { |file|
            entry = ZipEntry.readCDirEntry(file)

            assert_equal("longAscii.txt", entry.name)
            assert_equal(ZipEntry::DEFLATED, entry.compressionMethod)
            assert_equal(106490, entry.size)
            assert_equal(3784, entry.compressedSize)
            assert_equal(0xfcd1799c, entry.crc)
            assert_equal(0x0, entry.comment)

            entry = ZipEntry.readCDirEntry(file)
            assert_equal("empty.txt", entry.name)
            assert_equal(ZipEntry::STORED, entry.compressionMethod)
            assert_equal(0, entry.size)
            assert_equal(0, entry.compressedSize)
            assert_equal(0x0, entry.crc)
            assert_equal(0x0, entry.comment)

            entry = ZipEntry.readCDirEntry(file)
            assert_equal("short.txt", entry.name)
            assert_equal(ZipEntry::STORED, entry.compressionMethod)
            assert_equal(6, entry.size)
            assert_equal(6, entry.compressedSize)
            assert_equal(0xbb76fe69, entry.crc)
            assert_equal(0x0, entry.comment)

            entry = ZipEntry.readCDirEntry(file)
            assert_equal("longBinary.bin", entry.name)
            assert_equal(ZipEntry::DEFLATED, entry.compressionMethod)
            assert_equal(1000024, entry.size)
            assert_equal(70847, entry.compressedSize)
            assert_equal(0x10da7d59, entry.crc)
        }
    end

    end
def test_ReadEntryFromTruncatedZipFile
  fragment=""
  File.open("testDirectory.bin") { |f| fragment = f.read(12) } # cdir entry header is at least 46 bytes
  fragment.extend(IOizeString)
  entry = ZipEntry.new
  entry.readCDirEntry(fragment)
  fail "ZipError expected"
rescue ZipError
end

class ZipCentralDirectoryTest < RUNIT::TestCase
  def test_readFromStream
    File.open(TestZipFile::TEST_ZIP2.zipName, "rb") { |zipFile|
      cdir = ZipCentralDirectory.readFromStream(zipFile)

      assert_equal(TestZipFile::TEST_ZIP2.entryNames.size, cdir.size)
      assert(cdir.compareEnumerables(TestZipFile::TEST_ZIP2.entryNames) {
        |cdirEntry, testEntryName|
        cdirEntry.name == testEntryName
      })
    }
end
assert.equals(TestZipFile::TEST_ZIP2.comment, cdir.comment)
}
end

def test_readFromInvalidStream
  File.open("ziptest.rb", "rb") {
    [zipFile]
    cdir = ZipCentralDirectory.new
    cdir.readFromStream(zipFile)
  }
  fail "ZipError expected!"
rescue ZipError
end
def test_ReadFromTruncatedZipFile
  fragment=""
  File.open("testDirectory.bin") { |f| fragment = f.read }
  fragment.slice!(12) # removed part of first cdir entry. eocd structure still complete
  fragment.extend(IOizeString)
  entry = ZipCentralDirectory.new
  entry.readFromStream(fragment)
  fail "ZipError expected"
rescue ZipError
end
def test_writeToStream
  entries = [ ZipEntry.new("file.zip", "flimse", "myComment", "somethingExtra"),
    ZipEntry.new("file.zip", "secondEntryName"),
    ZipEntry.new("file.zip", "lastEntry.txt", "Has a comment too") ]
  cdir = ZipCentralDirectory.new(entries, "my zip comment")
  File.open("cdirtest.bin", "wb") { |f| cdir.writeToStream(f) }
  cdirReadback = ZipCentralDirectory.new
  File.open("cdirtest.bin", "rb") { |f| cdirReadback.readFromStream(f) }
  assert.equals(cdir.entries, cdirReadback.entries)
end
def test_equality
  cdir1 = ZipCentralDirectory.new([ ZipEntry.new("file.zip", "flimse", nil,
    "somethingExtra"),
    ZipEntry.new("file.zip", "secondEntryName"),
    ZipEntry.new("file.zip", "lastEntry.txt") ],
  "my zip comment")
  cdir2 = ZipCentralDirectory.new([ ZipEntry.new("file.zip", "flimse", nil,
    "somethingExtra"),
    ZipEntry.new("file.zip", "secondEntryName"),
    ZipEntry.new("file.zip", "lastEntry.txt") ],
  "my zip comment")
cdir3 = ZipCentralDirectory.new([ ZipEntry.new("file.zip", "flimse", nil, "somethingExtra"), 
    ZipEntry.new("file.zip", "secondEntryName"), 
    ZipEntry.new("file.zip", "lastEntry.txt") ], 
    "comment?")

cdir4 = ZipCentralDirectory.new([ ZipEntry.new("file.zip", "flimse", nil, "somethingExtra"), 
    ZipEntry.new("file.zip", "lastEntry.txt") ], 
    "comment?")

assert_equals(cdir1, cdir1)
assert_equals(cdir1, cdir2)

assert(cdir1 != cdir3)
assert(cdir2 != cdir3)
assert(cdir2 != cdir3)
assert(cdir3 != cdir4)

assert(cdir3 != "hello")
end
end

class BasicZipFileTest < RUNIT::TestCase
  include AssertEntry

  def setup
    @zipFile = ZipFile.new(TestZipFile::TEST_ZIP2.zipName)
    @testEntryNameIndex=0
  end

  def nextTestEntryName
    retVal=TestZipFile::TEST_ZIP2.entryNames[@testEntryNameIndex]
    @testEntryNameIndex+=1
    return retVal
  end

  def test_entries
    assert_equals(TestZipFile::TEST_ZIP2.entryNames, @zipFile.entries.map { |e| e.name } )
  end

  def test_each
    @zipFile.each {
      |entry|
      assert_equals(nextTestEntryName, entry.name)
    }
    assert_equals(4, @testEntryNameIndex)
  end
end
def test_foreach
    ZipFile.foreach(TestZipFile::TEST_ZIP2.zipName) {
        |entry|
        assert_equals(nextTestEntryName, entry.name)
    }
    assert_equals(4, @testEntryNameIndex)
end

def test_getInputStream
    @zipFile.each {
        |entry|
        assertEntry(nextTestEntryName, @zipFile.getInputStream(entry), entry.name)
    }
    assert_equals(4, @testEntryNameIndex)
end

def test_getInputStreamBlock
    fileAndEntryName = @zipFile.entries.first.name
    @zipFile.getInputStream(fileAndEntryName) {
        |zis|
        assertEntryContentsForStream(fileAndEntryName, zis, fileAndEntryName)
    }
end

class CommonZipFileFixture < RUNIT::TestCase
    include AssertEntry

    EMPTY_FILENAME = "emptyZipFile.zip"

    TEST_ZIP = TestZipFile::TEST_ZIP2.clone
    TEST_ZIP.zipName = "4entry_copy.zip"

def setup
    File.delete(EMPTY_FILENAME) if File.exists?(EMPTY_FILENAME)
    File.copy(TestZipFile::TEST_ZIP2.zipName, TEST_ZIP.zipName)
end
end

class ZipFileTest < CommonZipFileFixture

    def test_createFromScratch
        comment = "a short comment"

        zf = ZipFile.new(EMPTY_FILENAME, ZipFile::CREATE)
zf.comment = comment
zf.close

zfRead = ZipFile.new(EMPTY_FILENAME)
assert.equals(comment, zfRead.comment)
assert.equals(0, zfRead.entries.length)
end
def test_add
  srcFile = "ziptest.rb"
  entryName = "newEntryName.rb"
  assert(File.exists? srcFile)
  zf = ZipFile.new(EMPTY_FILENAME, ZipFile::CREATE)
  zf.add(entryName, srcFile)
  zf.close

  zfRead = ZipFile.new(EMPTY_FILENAME)
  assert.equals("", zfRead.comment)
  assert.equals(1, zfRead.entries.length)
  assert.equals(entryName, zfRead.entries.first.name)
  AssertEntry.assertContents(srcFile,
    zfRead.getInputStream(entryName) { |zis| zis.read })
end
def test_addExistingEntryName
  assert_exception(ZipEntryExistsError) {
    ZipFile.open(TEST_ZIP.zipName) {
      [zf]
      zf.add(zf.entries.first.name, "ziptest.rb")
    }
  }
end
def test_addExistingEntryNameReplace
  gotCalled = false
  replacedEntry = nil
  ZipFile.open(TEST_ZIP.zipName) {
    [zf]
    replacedEntry = zf.entries.first.name
    zf.add(replacedEntry, "ziptest.rb") { gotCalled = true; true }
  }
  assert(gotCalled)
  ZipFile.open(TEST_ZIP.zipName) {
    [zf]
    assertContains(zf, replacedEntry, "ziptest.rb")
  }
end
def test_addDirectory
ZipFile.open(TEST_ZIP.zipName) {
  zf
  zf.add(TestFiles::EMPTY_TEST_DIR, TestFiles::EMPTY_TEST_DIR)
}
ZipFile.open(TEST_ZIP.zipName) {
  zf
  dirEntry = zf.entries.detect { |e| e.name == TestFiles::EMPTY_TEST_DIR+"/" }
  assert(dirEntry.isDirectory)
}
end

def test_remove
  entryToRemove, *remainingEntries = TEST_ZIP.entryNames
  File.copy(TestZipFile::TEST_ZIP2.zipName, TEST_ZIP.zipName)
  zf = ZipFile.new(TEST_ZIP.zipName)
  assert(zf.entries.map { |e| e.name }.include?(entryToRemove))
  zf.remove(entryToRemove)
  assert(! zf.entries.map { |e| e.name }.include?(entryToRemove))
  assert_equal(zf.entries.map { |x| x.name }.sort, remainingEntries.sort)
  zf.close

  zfRead = ZipFile.new(TEST_ZIP.zipName)
  assert(! zfRead.entries.map { |e| e.name }.include?(entryToRemove))
  assert_equal(zfRead.entries.map { |x| x.name }.sort, remainingEntries.sort)
  zfRead.close
end

def test_rename
  entryToRename, *remainingEntries = TEST_ZIP.entryNames
  zf = ZipFile.new(TEST_ZIP.zipName)
  assert(zf.entries.map { |e| e.name }.include?(entryToRename))
  newName = "changed name"
  assert(! zf.entries.map { |e| e.name }.include?(newName))

  zf.rename(entryToRename, newName)
  assert(zf.entries.map { |e| e.name }.include?(newName))

  zf.close

  zfRead = ZipFile.new(TEST_ZIP.zipName)
  assert(zfRead.entries.map { |e| e.name }.include?(newName))
  zfRead.close
def test_renameToExistingEntry
  oldEntries = nil
  ZipFile.open(TEST_ZIP.zipName) do |zf|
    oldEntries = zf.entries
  end

  assert_exception(ZipEntryExistsError) do
    ZipFile.open(TEST_ZIP.zipName) do |zf|
      zf.rename(zf.entries[0], zf.entries[1].name)
    end
  end

  ZipFile.open(TEST_ZIP.zipName) do |zf|
    assert_equals(oldEntries.map { |e| e.name }, zf.entries.map { |e| e.name })
  end
end

def test_renameToExistingEntryOverwrite
  oldEntries = nil
  ZipFile.open(TEST_ZIP.zipName) do |zf|
    oldEntries = zf.entries
  end

  gotCalled = false
  ZipFile.open(TEST_ZIP.zipName) do |zf|
    zf.rename(zf.entries[0], zf.entries[1].name) do |gotCalled| true; true end
  end

  assert(gotCalled)
  oldEntries.delete_at(0)
  ZipFile.open(TEST_ZIP.zipName) do |zf|
    assert_equals(oldEntries.map { |e| e.name }, zf.entries.map { |e| e.name })
  end
end

def test_renameNonEntry
  nonEntry = "bogusEntry"
  targetEntry = "targetEntryName"
  zf = ZipFile.new(TEST_ZIP.zipName)
  assert(! zf.entries.include?(nonEntry))
  assert_exception(ZipNoSuchEntryError) do
    zf.rename(nonEntry, targetEntry)
  end
  zf.commit
  assert(! zf.entries.include?(targetEntry))
def test_renameEntryToExistingEntry
  entry1, entry2, *remaining = TEST_ZIP.entryNames
  zf = ZipFile.new(TEST_ZIP.zipName)
  assert_exception(ZipEntryExistsError) {
    zf.rename(entry1, entry2)
  }
  ensure
  zf.close
end

def test_replace
  unchangedEntries = TEST_ZIP.entryNames.dup
  entryToReplace = unchangedEntries.delete_at(2)
  newEntrySrcFilename = "ziptest.rb"

  zf = ZipFile.new(TEST_ZIP.zipName)
  zf.replace(entryToReplace, newEntrySrcFilename)

  zf.close

  zfRead = ZipFile.new(TEST_ZIP.zipName)
  AssertEntry::assertContents(newEntrySrcFilename,
    zfRead.getInputStream(entryToReplace) { |is| is.read })
  zfRead.close
end

def test_replaceNonEntry
  entryToReplace = "nonExistingEntryname"
  ZipFile.open(TEST_ZIP.zipName) {
    [zf]
    assert_exception(ZipNoSuchEntryError) {
      zf.replace(entryToReplace, "ziptest.rb")
    }
  }
end

def test_commit
  newName = "renamedFirst"
  zf = ZipFile.new(TEST_ZIP.zipName)
  oldName = zf.entries.first
  zf.rename(oldName, newName)
  zf.commit

  zfRead = ZipFile.new(TEST_ZIP.zipName)
assert(zfRead.entries.detect { |e| e.name == newName } != nil)
assert(zfRead.entries.detect { |e| e.name == oldName } == nil)
zfRead.close

close

def test_compound1
  renamedName = "renamedName"
  originalEntries = []
  begin
    zf = ZipFile.new(TEST_ZIP.zipName)
    originalEntries = zf.entries.dup
  begin
    assertNotContains(zf, TestFiles::RANDOM_ASCII_FILE1)
    zf.add(TestFiles::RANDOM_ASCII_FILE1,
    TestFiles::RANDOM_ASCII_FILE1,
    TestFiles::RANDOM_ASCII_FILE1)
  assertContains(zf, "okToDelete.txt")
  assertContains(zf, zf.entries[0], renamedName)
  assertContains(zf, zf, renamedName)

  TestFiles::BINARY_TEST_FILES.each {
    |filename|
    zf.add(filename, filename)
    assertContains(zf, filename)
  }
assertContains(zf, originalEntries.last.to_s)
zf.remove(originalEntries.last.to_s)
assertNotContains(zf, originalEntries.last.to_s)

ensure
zf.close
end
begin
zfRead = ZipFile.new(TEST_ZIP.zipName)
assertContains(zfRead, TestFiles::RANDOM_ASCII_FILE1)
assertContains(zfRead, renamedName)
TestFiles::BINARY_TEST_FILES.each {
    [filename] 
    assertContains(zfRead, filename)
    }
    assertNotContains(zfRead, originalEntries.last.to_s)
ensure
zfRead.close
end
end

def test_compound2
    begin
        zf = ZipFile.new(TEST_ZIP.zipName)
        originalEntries = zf.entries.dup

        originalEntries.each {
            [entry]
zf.remove(entry)
        assertContains(zf, entry)
        }
        assert(zf.entries.empty?)
        TestFiles::ASCII_TEST_FILES.each {
            [filename]
zf.add(filename, filename)
        assertContains(zf, filename)
        }
        assert_equals(zf.entries.map { |e| e.name }, TestFiles::ASCII_TEST_FILES)
        zf.rename(TestFiles::ASCII_TEST_FILES[0], "newName")
        assertNotContains(zf, TestFiles::ASCII_TEST_FILES[0])
        assertContains(zf, "newName")
        ensure
zf.close
end
begin
zfRead = ZipFile.new(TEST_ZIP.zipName)
asciiTestFiles = TestFiles::ASCII_TEST_FILES.dup
asciiTestFiles.shift
asciiTestFiles.each {
  |filename|
  assertContains(zf, filename)
}

assertContains(zf, "newName")
ensure
zfRead.close
end
end

private
def assertContains(zf, entryName, filename = entryName)
  assert(zf.entries.detect { |e| e.name == entryName } != nil, "entry #{entryName} not in #{zf.entries.join(', ')} in zip file #{zf}")
  assertEntryContents(zf, entryName, filename) if File.exists?(filename)
end
def assertNotContains(zf, entryName)
  assert(zf.entries.detect { |e| e.name == entryName } == nil, "entry #{entryName} in #{zf.entries.join(', ')} in zip file #{zf}")
end
end
class ZipFileExtractTest < CommonZipFileFixture
  EXTRACTED_FILENAME = "extEntry"
  ENTRY_TO_EXTRACT, *REMAINING_ENTRIES = TEST_ZIP.entryNames.reverse
  def setup
    super
    File.delete(EXTRACTED_FILENAME) if File.exists?(EXTRACTED_FILENAME)
  end
def test_extract
    ZipFile.open(TEST_ZIP.zipName) {
      |zf|
      zf.extract(ENTRY_TO_EXTRACT, EXTRACTED_FILENAME)
      assert(File.exists? EXTRACTED_FILENAME)
      AssertEntry::assertContents(EXTRACTED_FILENAME, zf.getInputStream(ENTRY_TO_EXTRACT) { |is| is.read })
    }
  end
def test_extractExists
end
writtenText = "written text"
File.open(EXTRACTED_FILENAME, "w") { |f| f.write(writtenText) }

assert_exception(ZipDestinationFileExistsError) { 
    ZipFile.open(TEST_ZIP.zipName) { 
        zf
        zf.extract(zf.entries.first, EXTRACTED_FILENAME) 
    } 
} 
File.open(EXTRACTED_FILENAME, "r") { 
    |f|
    assert_equals(writtenText, f.read)
} 
end

def test_extractExistsOverwrite
    writtenText = "written text"
    File.open(EXTRACTED_FILENAME, "w") { |f| f.write(writtenText) }
    gotCalled = false
    ZipFile.open(TEST_ZIP.zipName) { 
        |zf|
        zf.extract(zf.entries.first, EXTRACTED_FILENAME) { gotCalled = true; true } 
    } 
    assert(gotCalled)
    File.open(EXTRACTED_FILENAME, "r") { 
        |f|
        assert(writtenText != f.read)
    } 
end

def test_extractNonEntry
    zf = ZipFile.new(TEST_ZIP.zipName)
    assert_exception(ZipNoSuchEntryError) { zf.extract("nonExistingEntry", "nonExistingEntry") } 
end

def test_extractNonEntry2
    outFile = "outfile"
    assert_exception(ZipNoSuchEntryError) { 
        zf = ZipFile.new(TEST_ZIP.zipName)
        nonEntry = "hotdog-diddelidoo"
        assert(! zf.entries.include?(nonEntry))
        zf.extract(nonEntry, outFile)
        zf.close
    }
assert(! File.exists?(outFile))
end

class ZipFileExtractDirectoryTest < CommonZipFileFixture
TEST_OUT_NAME = "emptyOutDir"
def openZip(&aProc)
  assert(aProc != nil)
  ZipFile.open(TestZipFile::TEST_ZIP4.zipName, &aProc)
end
def extractTestDir(&aProc)
  openZip {
    zf
    zf.extract(TestFiles::EMPTY_TEST_DIR, TEST_OUT_NAME, &aProc)
  }
end
def setup
  super
  Dir.rmdir(TEST_OUT_NAME) if File.directory? TEST_OUT_NAME
  File.delete(TEST_OUT_NAME) if File.exists? TEST_OUT_NAME
end
def test_extractDirectory
  extractTestDir
  assert(File.directory? TEST_OUT_NAME)
end
def test_extractDirectoryExistsAsDir
  Dir.mkdir TEST_OUT_NAME
  extractTestDir
  assert(File.directory? TEST_OUT_NAME)
end
def test_extractDirectoryExistsAsFile
  File.open(TEST_OUT_NAME, "w") { |f| f.puts "something" }
  assert_exception(ZipDestinationFileExistsError) { extractTestDir }
end
def test_extractDirectoryExistsAsFileOverwrite
  File.open(TEST_OUT_NAME, "w") { |f| f.puts "something" }
  gotCalled = false
  extractTestDir {
    [entry, destPath]
gotCalled = true
assert_equality(TEST_OUT_NAME, destPath)
assert(entry.isDirectory)
true
}
assert(gotCalled)
assert(File.directory? TEST_OUT_NAME)
end
end

TestFiles::createTestFiles(ARGV.index("recreate") != nil ||
ARGV.index("recreateonly") != nil)
TestZipFile::createTestZips(ARGV.index("recreate") != nil ||
ARGV.index("recreateonly") != nil)
exit if ARGV.index("recreateonly") != nil

#require 'runit/cui/testrunner'
#RUNIT::CUI::TestRunner.run(ZipFileTest.suite)

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Found in path(s):
* /opt/cola/permits/1156540485_1619205105.97/0/rubyzip-1-2-4-gem/data-tar-gz/test/data/file2.txt
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* /opt/cola/permits/1156540485_1619205105.97/0/rubyzip-1-2-4-gem/data-tar-gz/README.md

1.3181 libperl5.32 5.32.1-4+deb11u1
1.3181.1 Available under license:

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1.3182 babel-preset-env 1.7.0
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1.3183 jctools-core 3.0.0

1.3183.1 Available under license:

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<java.test.version>1.8</java.test.version>

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Found in path(s):  
* /opt/cola/permits/1177956791_1625584358.42/0/jctools-core-3-0-0-5.jar/META-INF/maven/org.jctools/jctools-core/pom.xml

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Manifest-Version: 1.0
Bnd-LastModified: 1578049665284
Build-Jdk: 1.8.0_232
1.3184 go-git 4.5.0

1.3184.1 Available under license:

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1.3191 libaio 0.3.109-13.el7

1.3192 x-sync v0.0.0-20190423024810-112230192c58

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Eclipse

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

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

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

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

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

Oracle OpenJDK

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

* java.sun.security.ssl

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

OW2

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

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

Apache

The following artifacts are ASL2 licensed.

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

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

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

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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License: PCRE
This 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. See the file Tech.Notes for some information on the internals.

This module is a wrapper that provides a POSIX API to the underlying PCRE functions.

Written by: Philip Hazel <ph10@cam.ac.uk>

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**********************************************************************

md5.c: NCSA HTTPd code which uses the md5c.c RSA Code

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License: Haines
This imagemap module started as a port of the original imagemap.c written by Rob McCool (11/13/93 robm@ncsa.uiuc.edu).
This version includes the mapping algorithms found in version 1.3 of imagemap.c.

Contributors to this code include:

Kevin Hughes, kevinh@pulua.hcc.hawaii.edu
Eric Haines, erich@eye.com
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Randy Terbush, randy@zyzzyva.com
port to Apache module format, "base_uri" and support for relative URLs
James H. Cloos, Jr., cloos@jhcloos.com
Added point datatype, using code in NCSA's version 1.8 imagemap.c program, as distributed with version 1.4.1 of their server.
The point code is originally added by Craig Milo Rogers, Rogers@ISI.Edu
Nathan Kurz, nate@tripod.com
Rewrite/reorganization. New handling of default, base and relative URLs.
New Configuration directives:
  ImapMenu {none, formatted, semiformatted, unformatted}
  ImapDefault {error, nocontent, referer, menu, URL}
  ImapBase {map, referer, URL}
Support for creating non-graphical menu added. (backwards compatible):
  Old: directive URL [x,y ...]
  New: directive URL "Menu text" [x,y ...]
  or: directive URL x,y ... "Menu text"
Map format and menu concept courtesy Joshua Bell, jsbell@acs.ucalgary.ca.

Mark Cox, mark@ukweb.com, Allow relative URLs even when no base specified

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For compliance with Mr Darwin's terms: this has been very significantly modified from the free "file" command.

- all-in-one file for compilation convenience when moving from one version of Apache to the next.
- Memory allocation is done through the Apache API's apr_pool_t structure.
- All functions have had necessary Apache API request or server structures passed to them where necessary to call other Apache API routines. (i.e. usually for logging, files, or memory allocation in itself or a called function.)
- struct magic has been converted from an array to a single-ended linked list because it only grows one record at a time, it's only accessed sequentially, and the Apache API has no equivalent of realloc().
- Functions have been changed to get their parameters from the server configuration instead of globals. (It should be reentrant now but has not been tested in a threaded environment.)
- Places where it used to print results to stdout now saves them in a list where they're used to set the MIME type in the Apache request record.
- Command-line flags have been removed since they will never be used here.

Ian Kluft <ikluft@cisco.com>
Engineering Information Framework
Central Engineering
Cisco Systems, Inc.
San Jose, CA, USA

Initial installation          July/August 1996
Misc bug fixes                May 1997
Submission to Apache Software Foundation    July 1997

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C LALR(1) parser skeleton written by Richard Stallman, by simplifying the original so-called "semantic" parser.

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# trim

Trims string whitespace.

## Installation

```
$ npm install trim
$ component install component/trim
```  

## API

- `trim(str)`
- `.left(str)`
- `.right(str)`

### trim(str)

should trim leading / trailing whitespace.

```js
trim('  foo bar  ').should.equal('foo bar');
trim('


foo bar


').should.equal('foo bar');
```

### .left(str)

should trim leading whitespace.

```js
trim.left('  foo bar  ').should.equal('foo bar  ');
```

### .right(str)

should trim trailing whitespace.

```js
trim.right('  foo bar  ').should.equal('  foo bar');
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1.3215 x-time-rate v0.0.0-20190308202827-9d24e82272b4

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1.3216 css-to-react-native 2.0.4

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# jsonify

This module provides Douglas Crockford's JSON implementation without modifying any globals.

`stringify` and `parse` are merely exported without respect to whether or not a global `JSON` object exists.

[![build status](https://secure.travis-ci.org/substack/jsonify.png)](http://travis-ci.org/substack/jsonify)

# methods

``` js
var json = require('jsonify');
```  

## json.parse(source, reviver)

Return a new javascript object from a parse of the `source` string.

If a `reviver` function is specified, walk the structure passing each name/value pair to `reviver.call(parent, key, value)` to transform the `value` before parsing it.

## json.stringify(value, replacer, space)

Return a string representation for `value`.

If `replacer` is specified, walk the structure passing each name/value pair to `replacer.call(parent, key, value)` to transform the `value` before stringifying it.

If `space` is a number, indent the result by that many spaces.
If `space` is a string, use `space` as the indentation.

# install

With [npm](http://npmjs.org) do:

```

```  

npm install jsonify
To use this module in the browser, check out [browserify](https://github.com/substack/node-browserify).

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1.3218 dotenv 6.2.0
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1.3220 zap v1.10.0

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

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DRuntime: Runtime Library for the D Programming Language

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1.3255 plexus-utils 3.2.1

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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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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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1.3257 tar 1.26 35.el7
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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.

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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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The specification of DOM Level 2’s various parts is at:

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Links to all available W3C DOM Java Bindings can be found at:
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The actual DOM Java Language Binding classes for SMIL came from:
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Last revised by Reagle $Date: 2005-06-03 18:49:13 -0400 (Fri, 03 Jun 2005) $

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and x64-mingw32.

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1.3280 array-unique 0.3.2

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1.3281 go-colorable v0.1.6

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1.3285 python-requests 2.26.0
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# URL.js

URL.js is an [RFC 3986](http://www.ietf.org/rfc/rfc3986.txt) compliant, scheme extendable URI parsing/validating/resolving library for all JavaScript environments (browsers, Node.js, etc). It is also compliant with the IRI ([RFC 3987](http://www.ietf.org/rfc/rfc3987.txt)), IDNA ([RFC 5890](http://www.ietf.org/rfc/rfc5890.txt)), IPv6 Address ([RFC 5952](http://www.ietf.org/rfc/rfc5952.txt)), IPv6 Zone Identifier ([RFC 6874](http://www.ietf.org/rfc/rfc6874.txt)) specifications.

URL.js has an extensive test suite, and works in all (Node.js, web) environments. It weighs in at 6.2kb (gzipped, 16kb deflated).

## API

### Parsing

```javascript
URI.parse("uri://user:pass@example.com:123/one/two.three?q1=a1&q2=a2#body");
//returns:
//{
//  scheme: "uri",
//  userinfo: "user:pass",
//  host: "example.com",
//  port: 123,
//  path: "/one/two.three",
//  query: "q1=a1&q2=a2",
//  fragment: "body"
//}
```

### Serializing

```javascript
URI.serialize({scheme: "http", host: "example.com", fragment: "footer"}) === "http://example.com/#footer"
```

### Resolving

```javascript
URI.resolve("uri://a/b/c/d?q", ../../g) === "uri://a/g"
```

### Normalizing

```javascript
URI.normalize("HTTP://ABC.com:80/%7Esmith/home.html") === "http://abc.com/~smith/home.html"
```

### Comparison

```javascript
URI.equal("example://a/b/c/%7Bfoo%7D", "eXAMPLE://a/.b/.b/%63/%7bfoo%7d") === true
```

### IP Support

//IPv4 normalization
URI.normalize("//192.068.001.000") === "/192.68.1.0"

//IPv6 normalization
URI.normalize("//[2001:0:0DB8::0:0001]") === "/[2001:0:db8::1]"

//IPv6 zone identifier support
URI.parse("//[2001:db8::7%25en1]");
//returns:
//{
//  host : "2001:db8::7%en1"
//}

### IRI Support

//convert IRI to URI
URI.serialize(URI.parse("http://exampl.org/ros")) === "http://xn--exampl-gva.org/ros%C3%A9"

//convert URI to IRI
URI.serialize(URI.parse("http://xn--exampl-gva.org/ros%C3%A9"), {iri:true}) === "http://exampl.org/ros"

### Options

All of the above functions can accept an additional options argument that is an object that can contain one or more of the following properties:

*`scheme` (string)

Indicates the scheme that the URI should be treated as, overriding the URI's normal scheme parsing behavior.

*`reference` (string)

If set to "suffix", it indicates that the URI is in the suffix format, and the validator will use the option's `scheme` property to determine the URI's scheme.

*`tolerant` (boolean, false)

If set to `true`, the parser will relax URI resolving rules.

*`absolutePath` (boolean, false)

If set to `true`, the serializer will not resolve a relative `path` component.

*`iri` (boolean, false)

If set to `true`, the serializer will unescape non-ASCII characters as per [RFC 3987](http://www.ietf.org/rfc/rfc3987.txt).

*`unicodeSupport` (boolean, false)
If set to `true`, the parser will unescape non-ASCII characters in the parsed output as per [RFC 3987](http://www.ietf.org/rfc/rfc3987.txt).

* `domainHost` (boolean, false)

If set to `true`, the library will treat the `host` component as a domain name, and convert IDNs (International Domain Names) as per [RFC 5891](http://www.ietf.org/rfc/rfc5891.txt).

## Scheme Extendable

URI.js supports inserting custom [scheme](http://en.wikipedia.org/wiki/URI_scheme) dependent processing rules. Currently, URI.js has built in support for the following schemes:

* `http` [[RFC 2616](http://www.ietf.org/rfc/rfc2616.txt)]
* `https` [[RFC 2818](http://www.ietf.org/rfc/rfc2818.txt)]
* `mailto` [[RFC 6068](http://www.ietf.org/rfc/rfc6068.txt)]
* `urn` [[RFC 2141](http://www.ietf.org/rfc/rfc2141.txt)]
* `urn:uuid` [[RFC 4122](http://www.ietf.org/rfc/rfc4122.txt)]

### HTTP Support

`URI.equal("HTTP://ABC.COM:80", "http://abc.com/") === true`

### Mailto Support

`URI.parse("mailto:alpha@example.com,bravo@example.com?subject=SUBSCRIBE&body=Sign%20me%20up!");`  
//returns:
//{
//  scheme : "mailto",
//  to : ["alpha@example.com", "bravo@example.com"],
//  subject : "SUBSCRIBE",
//  body : "Sign me up!"
//}

`URI.serialize({
  scheme : "mailto",
  to : ["alpha@example.com"],
  subject : "REMOVE",
  body : "Please remove me",
  headers : {
    cc : "charlie@example.com"
  }
}) ===
"mailto:alpha@example.com?cc=charlie@example.com&subject=REMOVE&body=Please%20remove%20me"

### URN Support

`URI.parse("urn:example:foo");`
### URN UUID Support

```javascript
URI.parse("urn:uuid:f81d4fae-7dec-11d0-a765-00a0c91e6bf6");
//returns:
//{
//  scheme: "urn",
//  nid: "example",
//  uuid: "f81d4fae-7dec-11d0-a765-00a0c91e6bf6",
//}
```

## Usage

To load in a browser, use the following tag:

```html
<script type="text/javascript" src="uri-js/dist/es5/uri.all.min.js"></script>
```

To load in a CommonJS (Node.js) environment, first install with npm by running on the command line:

```bash
npm install uri-js
```

Then, in your code, load it using:

```javascript
const URI = require("uri-js");
```

If you are writing your code in ES6+ (ESNEXT) or TypeScript, you would load it using:

```javascript
import * as URI from "uri-js";
```

Or you can load just what you need using named exports:

```javascript
import { parse, serialize, resolveComponents, normalize, equal, removeDotSegments, pctEncChar, pctDecChars, escapeComponent, unescapeComponent } from "uri-js";
```

### Breaking changes

#### Breaking changes from 3.x

URN parsing has been completely changed to better align with the specification. Scheme is now always `urn`, but has two new properties: `nid` which contains the Namespace Identifier, and `nss` which contains the Namespace Specific String. The `nss` property will be removed by higher order scheme handlers, such as the UUID URN scheme handler.
The UUID of a URN can now be found in the `uuid` property.

### Breaking changes from 2.x

URI validation has been removed as it was slow, exposed a vulnerability, and was generally not useful.

### Breaking changes from 1.x

The `errors` array on parsed components is now an `error` string.

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Found in path(s):
* /opt/cola/permits/1110634955_1606918997.92/0/garycourt-uri-js-4-2-2-0-g4f6f600-1-tar-gz/garycourt-uri-js-4f6f600/README.md

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

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Found in path(s):
* /opt/cola/permits/1110634955_1606918997.92/0/garycourt-uri-js-4-2-2-0-g4f6f600-1-tar-gz/garycourt-uri-js-4f6f600/dist/es5/uri.all.js
No license file was found, but licenses were detected in source scan.

/** @license URI.js v4.2.1 (c) 2011 Gary Court. License: http://github.com/garycourt/uri-js */

Found in path(s):
* /opt/cola/permits/1110634955_1606918997.92/0/garycourt-uri-js-4-2-2-0-g4f6f600-1-tar-gz/garycourt-uri-js-4f6f600/dist/es5/uri.all.min.js
No license file was found, but licenses were detected in source scan.

Open Source Used In MSX Platform Infrastructure 4.1.0
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subexp(H16$ + "\\:\") + "v\[3\]" + LS32$), // [1] *1( h16 \:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\:\\}
(counter < length) {\n\n  const value = string.charCodeAt(counter++);\n  if (value >= 0xD800 && value <= 0xDBFF && counter < length) {\n    const extra = string.charCodeAt(counter++);\n    return output.push(((extra & 0xFC00) - 0x10000) * (value & 0x3FF) + (extra & 0x3FF) + 0x10000) { // Low surrogate\n  } else {\n    output.push(value);\n  }\n}\nreturn output;

/**\n * Creates a string based on an array of numeric code points.\n * @see `punycode.ucs2.decode`\n * @memberOf punycode.ucs2\n * @name encode\n * @param {Array} codePoints The array of numeric code points.\n * @returns {String} The new Unicode string (UCS-2).\n *\n * @const ucs2encode = array => String.fromCodePoint(...array);\n */
const ucs2encode = array => String.fromCodePoint(...array);

/**\n * Converts a basic code point into a digit/integer.\n * @see `digitToBasic()`\n * @param {Number} codePoint The basic numeric code point value.\n * @returns {Number} The numeric value of a basic code point (for use in \n * representing integers) in the range '0' to 'base - 1', or 'base' if\n * the code point does not represent a value.\n *\n * const basicToDigit = function(codePoint) {\n *  if (codePoint - 0x30 < 0x0A) {\n *    return codePoint - 0x16;\n *  }\n *  if (codePoint - 0x41 < 0x1A) {\n *    return codePoint - 0x41;\n *  }\n *  if (codePoint - 0x61 < 0x1A) {\n *    return codePoint - 0x61;\n *  }\n *  return base;\n *}\n */
const basicToDigit = function(codePoint) {
  if (codePoint - 0x30 < 0x0A) {
    return codePoint - 0x16;
  }
  if (codePoint - 0x41 < 0x1A) {
    return codePoint - 0x41;
  }
  if (codePoint - 0x61 < 0x1A) {
    return codePoint - 0x61;
  }
  return base;
};

/**\n * Converts a digit/integer into a basic code point.\n * @see `basicToDigit()`\n * @param {Number} digit The numeric value of a basic code point.\n * @returns {Number} The basic code point whose value (when used for\n * representing integers) is 'digit', which needs to be in the range\n * '0' to 'base - 1'. If 'flag' is non-zero, the uppercase form is\n * used; else, the lowercase form is used. The behavior is\n * undefined if 'flag' is non-zero and 'digit' has no uppercase form.\n */
const digitToBasic = function(digit, flag) {
  // 0..25 map to ASCII a..z or A..Z
  // 26..35 map to ASCII 0..9
  return digit + 22 + 75 * (digit < 26) - ((flag != 0) << 5);
};

/**\n * Bias adaptation function as per section 3.4 of RFC 3492.\n * https://tools.ietf.org/html/rfc3492#section-3.4\n * @memberOf punycode\n * @name decode\n * @param {String} input The Punycode string of ASCII-only symbols.\n * @returns {String} The resulting string of Unicode symbols.\n */
const decode = function(input) {
  // Don't use UCS-2.\n  const output = [];\n  const inputLength = input.length;\n  let i = 0;\n  let n = initialN;\n  let bias = initialBias;\n
  // Handle the basic code points: let `basic` be the number of input code\n  // points before the last delimiter, or `0` if there is none, then\n  // copy them to the output.\n  let basic = input.lastIndexOf(delimiter);\n  if (basic < 0) {\n    basic = 0;\n  }\n  for (let j = 0; j < basic; ++j) {\n    output.push(input.charCodeAt(j));\n  }\n
  // Main decoding loop:\n  // start just after the last delimiter if any basic code points were copied;\n  // start at the beginning otherwise.\n  let index = 0;\n  let oldI = 0;\n  let oldDelta = firstTime ? floor(delta / damp) : delta >> 1;\n  let delta = floor(delta / numPoints) - floor(oldDelta + floor(delta / numPoints) / 10);\n  let t = baseMinusTMin * tMax >> 1;\n  let d = base - t;\n  let k = base;\n  let baseMinusTMin = base - tMax;\n  let baseMinusTMax = base - tMax + 1;\n  let skew = baseMinusTMax - baseMinusTMin;\n  let maxInt = baseMinusTMin - 0x80;\n  let output = input.charCodeAt(0);\n  let count = 0;\n  while (output > 0x7F) {\n    if (count > 0 && output == 0) {\n      error('invalid-input');\n    }\n    let n = output - 0x80;\n    output = input.charCodeAt(count++);\n  }\n
  // Insert `n` at position `i` of the output.\n  output.splice(i++, 0, n);\n  return String.fromCharCode.apply(null, output);\n};
string of Unicode symbols (e.g. a domain name label) to a string of the Punycode string of ASCII-only symbols.

`@memberOf punycode
* @param {String} input The string of Unicode symbols.
* @returns {String} The resulting Punycode string of ASCII-only symbols.

const encode = function(input) {
  let output = [];
  Convert the input in UCS-2 to an array of Unicode code points.
  Cache the length.
  input inputLength = input.length;
  Initialize the state.
  let n = initialN;
  let delta = 0;
  let bias = initialBias;
  // Handle the basic code points.
  for (const currentValue of input) {
    if (currentValue < 0x80) {
      output.push(stringFromCharCode(currentValue));
    }
  }
  let handledCPCount = basicLength;
  // `handledCPCount` is the number of code points that have been handled:
  // `basicLength` is the number of basic code points.
  // Finish the basic string with a delimeter unless it's empty.
  if (basicLength) { output.push(delimiter); }
  // Main encoding loop.
  while (handledCPCount < inputLength) {
    let m = maxInt;
    for (const currentValue of input) {
      if (currentValue >= n && currentValue < m) {
        m = currentValue;
      }
    }
    let q = delta;
    // Increase `delta` enough to advance the decoder's <n,i> state to <m,0>,
    // but guard against overflow.
    handledCPCountPlusOne = handledCPCount + 1;
    (m - n > floor(maxInt - delta) / handledCPCountPlusOne) {
      throw Error('overflow');
    }
    (m - n > floor((maxInt - delta) / handledCPCountPlusOne)) {
      throw Error('overflow');
    }
    let m = maxInt;
    for (const currentValue of input) {
      if (currentValue >= n && currentValue < m) {
        m = currentValue;
      }
    }
    q = delta;
    // Represent delta as a generalized variable-length integer.
    for (let k = base; /* no condition */; k += base) {
      const t = k <= bias ? tMin : (k >= bias + tMax ? tMax : k - bias);
      if (q < t) {
        break;
      }
      const qMinusT = q - t;
      const baseMinusT = base - t;
      output.push(stringFromCharCode(digitToBasic(t + qMinusT % baseMinusT, 0)));
      q = floor(qMinusT / baseMinusT);
    }
    output.push(stringFromCharCode(digitToBasic(q, 0)));
    bias = adapt(delta, handledCPCountPlusOne, handledCPCount == basicLength);
    delta = 0;
  }
  return output.join('');
};

/**
 * URI.js
 *
 * @fileoverview An RFC 3986 compliant, scheme extendable URI parsing/validating/resolving library for JavaScript.
 * @author <a href="mailto:gary.court@gmail.com">Gary Court</a>
 * @see http://github.com/garycourt/uri-js
 */

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```javascript
export interface URIComponents {
scheme?: string;
userinfo?: string;
host?: string;
port?: number|string;
path?: string;
query?: string;
fragment?: string;
reference?: string;
error?: string;
}

export interface URIOptions {
scheme?: string;
reference?: string;
tolerant?: boolean;
avoidPath?: boolean;
iri?: boolean;
taintcheck?: boolean;
unicodeSupport?: boolean;
domainHost?: boolean;
}

export interface URISchemeHandler<Components extends URIComponents = URIComponents, Options extends URIOptions = URIOptions, ParentComponents extends URIComponents = URIComponents> {
scheme: string;
parse(components: ParentComponents, options: Options): Components;
serialize(components: Components, options: Options): ParentComponents;
unicodeSupport?: boolean;
domainHost?: boolean;
avoidPath?: boolean;
}

export interface URIRegExps {
 NOT_SCHEME: RegExp,
 NOT_USERINFO: RegExp,
 NOT_HOST: RegExp,
 NOT_PATH: RegExp,
 NOT_PATH_NOSCHEME: RegExp,
 NOT_QUERY: RegExp,
 NOT_FRAGMENT: RegExp,
 ESCAPE: RegExp,
 UNRESERVED: RegExp,
 OTHER_CHARS: RegExp,
 PCT_ENCODED: RegExp,
 IPV4ADDRESS: RegExp,
}

export const SCHEMES: {[scheme: string]: URISchemeHandler} = {};

export function pctEncChar(chr: string): string {
    const c = chr.charCodeAt(0);
    let e: string;
    if (c < 16) e = `\%0${(c & 15).toString(16).toUpperCase()}`;
    else if (c < 128) e = `\%${(c & 15).toString(16).toUpperCase()}`;
    else if (c < 2048) e = `\%${((c >> 8) & 255).toString(16).toUpperCase()}\%${(c & 255).toString(16).toUpperCase()}`;
    return e;
}

export function pctDecChars(str: string): string {
    let newStr = `"`;
    let i = 0;
    const il = str.length;
    while (i < il) {
        const c = parseInt(str.substr(i + 1, 2), 16);
        if (c < 128) {
            newStr += String.fromCharCode(c);
            i += 3;
        } else if (c >= 194 && c < 224) {
            const c2 = parseInt(str.substr(i + 4, 2), 16);
            newStr += String.fromCharCode(((c & 15) << 12) | ((c2 & 63) << 6) | (c3 & 63));
            i += 9;
        } else if (c >= 224) {
            const c2 = parseInt(str.substr(i + 4, 2), 16);
            const c3 = parseInt(str.substr(i + 7, 2), 16);
            newStr += String.fromCharCode(((c & 31) << 12) | ((c2 & 63) << 6) | (c3 & 63));
            i += 9;
        } else {
            newStr += str.substr(i, 3);
            i += 3;
        }
        newStr += `"`;
    }
    return newStr;
}

function _normalizeComponentEncoding(components: URIComponents, protocol: URIRegExps) {
    function decodeUnreserved(str: string): string {
        const decStr = pctDecChars(str);
        return decStr.match(protocol.UNRESERVED) ? decStr : str;
    }
    function _normalizeComponentEncoding(components: URIComponents, options: Options, protocol: URIRegExps) {
        const encodeWithComponents = components.scheme ? components.scheme : String(components.scheme);
        return encodeWithComponents.replace(protocol.PCT_ENCODED, decodeUnreserved).toLowerCase();
    }
    function _normalizeComponentEncoding(components: URIComponents, options: Options, protocol: URIRegExps) {
        const encodeWithComponents = components.scheme ? components.scheme : String(components.scheme);
        return encodeWithComponents.replace(protocol.PCT_ENCODED, decodeUnreserved).toLowerCase();
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        return encodeWithComponents.replace(protocol.PCT_ENCODED, decodeUnreserved).toLowerCase();
    }
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        return encodeWithComponents.replace(protocol.PCT_ENCODED, decodeUnreserved).toLowerCase();
    }
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        const encodeWithComponents = components.scheme ? components.scheme : String(components.scheme);
        return encodeWithComponents.replace(protocol.PCT_ENCODED, decodeUnreserved).toLowerCase();
    }
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        return encodeWithComponents.replace(protocol.PCT_ENCODED, decodeUnreserved).toLowerCase();
    }
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        const encodeWithComponents = components.scheme ? components.scheme : String(components.scheme);
        return encodeWithComponents.replace(protocol.PCT_ENCODED, decodeUnreserved).toLowerCase();
    }
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        return encodeWithComponents.replace(protocol.PCT_ENCODED, decodeUnreserved).toLowerCase();
    }
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        return encodeWithComponents.replace(protocol.PCT_ENCODED, decodeUnreserved).toLowerCase();
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        return encodeWithComponents.replace(protocol.PCT_ENCODED, decodeUnreserved).toLowerCase();
    }
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        const encodeWithComponents = components.scheme ? components.scheme : String(components.scheme);
        return encodeWithComponents.replace(protocol.PCT_ENCODED, decodeUnreserved).toLowerCase();
    }
    function _normalizeComponentEncoding(components: URIComponents, options: Options, protocol: URIRegExps) {
        const encodeWithComponents = components.scheme ? components.scheme : String(components.scheme);
        return encodeWithComponents.replace(protocol.PCT_ENCODED, decodeUnreserved).toLowerCase();
    }
    function _normalizeComponentEncoding(components: URIComponents, options: Options, protocol: URIRegExps) {
undefined) components.userinfo = String(components.userinfo).replace(protocol.PCT_ENCODED, decodeUnreserved).replace(protocol.NOT_USERINFO, pctEncChar).replace(protocol.PCT_ENCODED, toUpperCase);
	if (components.host !== undefined) components.host = String(components.host).replace(protocol.PCT_ENCODED, decodeUnreserved).toLowerCase().replace(protocol.NOT_HOST, pctEncChar).replace(protocol.PCT_ENCODED, toUpperCase);
	if (components.path !== undefined) components.path = String(components.path).replace(protocol.PCT_ENCODED, decodeUnreserved).replace((components.scheme ? protocol.NOT_PATH : protocol.NOT_PATH_NOSCHEME), pctEncChar).replace(protocol.PCT_ENCODED, toUpperCase);
	if (components.query !== undefined) components.query = String(components.query).replace(protocol.PCT_ENCODED, decodeUnreserved).replace(protocol.NOT_QUERY, pctEncChar).replace(protocol.PCT_ENCODED, toUpperCase);
	if (components.fragment !== undefined) components.fragment = String(components.fragment).replace(protocol.PCT_ENCODED, decodeUnreserved).replace(protocol.NOT_FRAGMENT, pctEncChar).replace(protocol.PCT_ENCODED, toUpperCase);

	return components;
};

function _stripLeadingZeros(str:string):string {
	return str.replace(/^0*(.*)/, "$1") || "0";
}

function _normalizeIPv4(host:string, protocol:URIRegExps):string {
	const matches = host.match(protocol.IPV4ADDRESS) || [];
	const [, address] = matches;
	
	if (address) {
		return address.split(".").map(_stripLeadingZeros).join(".");
	} else {
		return host;
	}
}

function _normalizeIPv6(host:string, protocol:URIRegExps):string {
	const matches = host.match(protocol.IPV6ADDRESS) || [];
	const [, address, zone] = matches;
	
	if (address) {
		const [last, first] = address.split('::').reverse();
		components.firstFields = first ? first.split('"."').map(_stripLeadingZeros) : [];
		const firstFieldsStart = firstFields.length - 8;
		const fields = Array<string>(8);
		for (let x = 0; x < 8; ++x) {
			fields[x] = firstFields[x] || lastFields[x] || "";
		}
		for (let x = firstFieldsStart; x < 8; ++x) {
			fields[x] = _normalizeIPv4(fields[x], protocol);
		}
		const allZeroFields = fields.reduce<Array<{index:number, length:number}>>((acc, field, index) => {
			if (!field || field === "0") {
				const lastLongest = acc[acc.length - 1];
				if (lastLongest && lastLongest.index + lastLongest.length === index) {
					lastLongest.length++;
				} else {
					acc.push({ index, length : 1 });
				}
			} else {
				acc.push({ index, length : 1 });
			}
		}, []);
		const longestZeroFields = allZeroFields.sort((a, b) => b.length - a.length)[0];
		if (longestZeroFields.length > 1) {
			const newFirst = fields.slice(0, longestZeroFields.index);
			const newLast = fields.slice(longestZeroFields.index + longestZeroFields.length);
			const newHost = newFirst.join(":\") + "::" + newLast.join(":\") + "::";  // IP Format
			if (zone) {
				newHost += "%" + zone;
			}
		}
		return newHost;
	} else {
		return host;
	}
}

const URI_PARSE = /^(?:(\[^:\/?#\@]+):)?(?:\/\/((?:(\[^\/?#\@]*)@)?(\[[^\/?#\\]\]+|[^\/?#:]*)(?:\:(\d*))?))?([\w\/?#\@\&=]*)?(?:\?([\w\/?#\@\&=]*)?)?(?:#([\w\/?#\@\&=]*))?$/i;

export function parse(uriString:string, options:URIOptions = {}):URIComponents {
	const components:URIComponents = {};
	const protocol = (options.iri !== false ? IRI_PROTOCOL : URI_PROTOCOL);

	if (options.reference === "suffix") uriString = (options.scheme ? options.scheme + ":" : ")" + "//" + uriString;
	const matches = uriString.match(URI_PARSE);

	if (matches) {
		if (NO_MATCH_IS_UNDEFINED) {
			//store each component
			components.scheme = matches[1];
			componentsuserinfo = matches[3];
			components.host = matches[4];
			components.port = parseInt(matches[5], 10);  //add puerto
			components.path = matches[6];
			components.query = matches[7];
			components.fragment = matches[8];
			components.scheme = matches[1];
			components.fragment = matches[1];
			components.host = (uriString.indexOf("@") !== -1 ? matches[3] : undefined);
		} else {
			//FFor improper RegExp matching
			match(0)[0] == null
		}
		return components;
	} else {  //IE FIX for improper RegExp matching
		match(0)[0] == null
null
options) {

  if (components.host) {
    // if host component is an IPv6 address
    if (protocol.IPV6ADDRESS.test(components.host)) {
      // normalize IPv6 address as per RFC 5952
      if (host) {
        // if host component is an IPv6 address
        if (protocol.IPV6ADDRESS.test(components.host)) {
          // TODO: normalize IPv6 address as per RFC 5952
        }

        // if host component is a domain name
        else if (options.domainHost || (schemeHandler && schemeHandler.domainHost)) {
          // convert IDN via punycode
          try {
            components.host = punycode.toUnicode(components.host);
          } catch (e) {
            components.error = components.error || "Host's domain name can not be converted to " + (!options.iri ? "ASCII" : "Unicode") + " via punycode: " + e;
          }
        }
      }
    }
  }

  // normalize encoding
  _normalizeComponentEncoding(components, protocol);

  if (options.reference !== "suffix" && components.scheme) {
    uriTokens.push(components.scheme);
    uriTokens.push(":");
  }

  const authority = _recomposeAuthority(components, options);
  if (authority) {
    // if authority is defined
    uriTokens.push("://");
    uriTokens.push(authority);
    if (components.path && components.path.charAt(0) !== "/") {
      uriTokens.push("/");
    }
  }

  if (components.path !== undefined) {
    let s = components.path;
    if (!options.absolutePath && (!schemeHandler || !schemeHandler.absolutePath)) {
      s = removeDotSegments(s);
    }
    if (authority === undefined) {
      s = s.replace(/\/\//, "/%2F");  // don't allow the path to start with "//"
    }
    uriTokens.push(s);
  }

  if (components.query !== undefined) {
    uriTokens.push("?");
    uriTokens.push(components.query);
  }

  if (components.fragment !== undefined) {
    uriTokens.push("#");  // don't allow the fragment to start with ":" or "#"
    uriTokens.push(components.fragment);
  }

  return uriTokens.join(""), // merge tokens into a string
}

export function resolveComponents(base:URIComponents, relative:URIComponents, options:URIOptions = {}, skipNormalization?:boolean):URIComponents {
  const target:URIComponents = {};

  if (!skipNormalization) {
    base = parse(serialize(base, options), options);  // normalize base components
    relative = parse(serialize(relative, options), options);  // normalize relative components
  }

  options = options || {};

  if (!options.tolerant && relative.scheme) {
    target.scheme = relative.scheme;
    target.authority = relative.authority;
    target.userinfo = relative.userinfo;
    target.host = relative.host;
    target.port = relative.port;
    target.path = removeDotSegments(relative.path || "/");
    target.query = relative.query;
  } else {
    if (relative.userinfo !== undefined || relative.host !== undefined || relative.port !== undefined) {
      target.userinfo = relative.userinfo;
      target.host = relative.host;
      target.port = relative.port;
      target.path = removeDotSegments(relative.path || "/");
      target.query = relative.query;
    } else {
      // if relative path is null
      target.path = base.path;
      target.query = relative.query;
    }
  }

  return target;
};

export function resolve(baseURI:string, relativeURI:string, options?:URIOptions):string {
  const schemelessOptions = assign({ scheme: 'null' }, options);
  return serialize(resolveComponents(parse(baseURI, schemelessOptions), parse(relativeURI, schemelessOptions), schemelessOptions, true), schemelessOptions);
};

export function normalize(uri:string, options?:URIOptions):string
export function normalize(uri:URIComponents, options?:URIOptions):URIComponents
export function normalize(uri:any, options?:URIOptions):any {
  if (typeof uri === "string") {
    uri = parse(serialize(uri, options), options);
  } else if (typeOf(uri) === "object") {
    if (uri instanceof URIComponents) {
      schemelessOptions = assign({ scheme: 'null' }, options);
      return serialize(resolveComponents(parse(baseURI, schemelessOptions), parse(relativeURI, schemelessOptions), schemelessOptions, true), schemelessOptions);
    } else if (uri instanceof URIComponents) {
      return serialize(normalize(uriA,string, options?), URIOptions);string {
        const schemelessOptions = assign({ scheme: 'null' }, options);
        return serialize(resolveComponents(parse(baseURI, schemelessOptions), parse(relativeURI, schemelessOptions), schemelessOptions, true), schemelessOptions);
      }
    }
  }

  return uri;
};

export function equal(uriA:string, uriB:string, options?: URIOptions):boolean {
  return serialize(normalize(uriA,string, options?), URIOptions);string {
    return serialize(normalize(uriB,string, options?), URIOptions);string {
      return true;
    } else {
      return false;
    }
  } else {
    return false;
  }
}}

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uriB:URIComponents, options?:URIOptions):boolean;\nexport function equal(uriA:any, uriB:any,
options?:URIOptions):boolean {\n\tif (typeof uriA === \"string\") {\n\t\turiA = serialize(parse(uriA, options),
options);\n\t} else if (typeOf(uriA) === \"object\") {\n\t\turiA = serialize(<URIComponents>uriA,
options);\n\t}\n\n\tif (typeof uriB === \"string\") {\n\t\turiB = serialize(parse(uriB, options), options);\n\t} else if
(typeOf(uriB) === \"object\") {\n\t\turiB = serialize(<URIComponents>uriB, options);\n\t}\n\n\treturn uriA ===
uriB;\n};\n\nexport function escapeComponent(str:string, options?:URIOptions):string {\n\treturn str &&
str.toString().replace((!options || !options.iri ? URI_PROTOCOL.ESCAPE : IRI_PROTOCOL.ESCAPE),
pctEncChar);\n};\n\nexport function unescapeComponent(str:string, options?:URIOptions):string {\n\treturn str &&
str.toString().replace((!options || !options.iri ? URI_PROTOCOL.PCT_ENCODED :
IRI_PROTOCOL.PCT_ENCODED), pctDecChars);\n};\n","import { URISchemeHandler, URIComponents,
URIOptions } from \"../uri\";\nimport { pctEncChar, pctDecChars, unescapeComponent } from \"../uri\";\nimport
punycode from \"punycode\";\nimport { merge, subexp, toUpperCase, toArray } from \"../util\";\n\nexport interface
MailtoHeaders {\n\t[hfname:string]:string\n}\n\nexport interface MailtoComponents extends URIComponents
{\n\tto:Array<string>,\n\theaders?:MailtoHeaders,\n\tsubject?:string,\n\tbody?:string\n}\n\nconst O:MailtoHeaders
= {};\nconst isIRI = true;\n\n//RFC 3986\nconst UNRESERVED$$ = \"[A-Za-z0-9\\\\-\\\\.\\\\_\\\\~\" + (isIRI ?
\"\\\\xA0-\\\\u200D\\\\u2010-\\\\u2029\\\\u202F-\\\\uD7FF\\\\uF900-\\\\uFDCF\\\\uFDF0-\\\\uFFEF\" : \"\") +
\"]\";\nconst HEXDIG$$ = \"[0-9A-Fa-f]\"; //case-insensitive\nconst PCT_ENCODED$ =
subexp(subexp(\"%[EFef]\" + HEXDIG$$ + \"%\" + HEXDIG$$ + HEXDIG$$ + \"%\" + HEXDIG$$ +
HEXDIG$$) + \"|\" + subexp(\"%[89A-Fa-f]\" + HEXDIG$$ + \"%\" + HEXDIG$$ + HEXDIG$$) + \"|\" +
subexp(\"%\" + HEXDIG$$ + HEXDIG$$)); //expanded\n\n//RFC 5322, except these symbols as per RFC 6068: @
: / ? # [ ] & ; =\n//const ATEXT$$ = \"[A-Za-z0-9\\\\!\\\\#\\\\$\\\\%\\\\&\\\\'\\\\*\\\\+\\\\\\\\/\\\\=\\\\?\\\\^\\\\_\\\\`\\\\{\\\\|\\\\}\\\\~]\";\n//const WSP$$ = \"[\\\\x20\\\\x09]\";\n//const OBS_QTEXT$$ =
\"[\\\\x01-\\\\x08\\\\x0B\\\\x0C\\\\x0E-\\\\x1F\\\\x7F]\"; //(%d1-8 / %d11-12 / %d14-31 / %d127)\n//const QTEXT$$
= merge(\"[\\\\x21\\\\x23-\\\\x5B\\\\x5D-\\\\x7E]\", OBS_QTEXT$$); //%d33 / %d35-91 / %d93-126 / obsqtext\n//const VCHAR$$ = \"[\\\\x21-\\\\x7E]\";\n//const WSP$$ = \"[\\\\x20\\\\x09]\";\n//const OBS_QP$ =
subexp(\"\\\\\\\\\" + merge(\"[\\\\x00\\\\x0D\\\\x0A]\", OBS_QTEXT$$)); //%d0 / CR / LF / obs-qtext\n//const
FWS$ = subexp(subexp(WSP$$ + \"*\" + \"\\\\x0D\\\\x0A\") + \"?\" + WSP$$ + \"+\");\n//const QUOTED_PAIR$
= subexp(subexp(\"\\\\\\\\\" + subexp(VCHAR$$ + \"|\" + WSP$$)) + \"|\" + OBS_QP$);\n//const
QUOTED_STRING$ = subexp('\\\\\"' + subexp(FWS$ + \"?\" + QCONTENT$) + \"*\" + FWS$ + \"?\" +
'\\\\\"');\nconst ATEXT$$ = \"[A-Za-z0-9\\\\!\\\\$\\\\%\\\\'\\\\*\\\\+\\\\-\\\\^\\\\_\\\\`\\\\{\\\\|\\\\}\\\\~]\";\nconst
QTEXT$$ = \"[\\\\!\\\\$\\\\%\\\\'\\\\(\\\\)\\\\*\\\\+\\\\,\\\\-\\\\.0-9\\\\<\\\\>A-Z\\\\x5E-\\\\x7E]\";\nconst VCHAR$$ =
merge(QTEXT$$, \"[\\\\\\\"\\\\\\\\]\");\nconst DOT_ATOM_TEXT$ = subexp(ATEXT$$ + \"+\" + subexp(\"\\\\.\" +
ATEXT$$ + \"+\") + \"*\");\nconst QUOTED_PAIR$ = subexp(\"\\\\\\\\\" + VCHAR$$);\nconst QCONTENT$ =
subexp(QTEXT$$ + \"|\" + QUOTED_PAIR$);\nconst QUOTED_STRING$ = subexp('\\\\\"' + QCONTENT$ +
\"*\" + '\\\\\"');\n\n//RFC 6068\nconst DTEXT_NO_OBS$$ = \"[\\\\x21-\\\\x5A\\\\x5E-\\\\x7E]\"; //%d33-90 /
%d94-126\nconst SOME_DELIMS$$ = \"[\\\\!\\\\$\\\\'\\\\(\\\\)\\\\*\\\\+\\\\,\\\\;\\\\:\\\\@]\";\nconst QCHAR$ =
subexp(UNRESERVED$$ + \"|\" + PCT_ENCODED$ + \"|\" + SOME_DELIMS$$);\nconst DOMAIN$ =
subexp(DOT_ATOM_TEXT$ + \"|\" + \"\\\\[\" + DTEXT_NO_OBS$$ + \"*\" + \"\\\\]\");\nconst LOCAL_PART$ =
subexp(DOT_ATOM_TEXT$ + \"|\" + QUOTED_STRING$);\nconst ADDR_SPEC$ = subexp(LOCAL_PART$ +
\"\\\\@\" + DOMAIN$);\nconst TO$ = subexp(ADDR_SPEC$ + subexp(\"\\\\,\" + ADDR_SPEC$) + \"*\");\nconst
HFNAME$ = subexp(QCHAR$ + \"*\");\nconst HFVALUE$ = HFNAME$;\nconst HFIELD$ =
subexp(HFNAME$ + \"\\\\=\" + HFVALUE$);\nconst HFIELDS2$ = subexp(HFIELD$ + subexp(\"\\\\&\" +
HFIELD$) + \"*\");\nconst HFIELDS$ = subexp(\"\\\\?\" + HFIELDS2$);\nconst MAILTO_URI = new
RegExp(\"^mailto\\\\:\" + TO$ + \"?\" + HFIELDS$ + \"?$\");\n\nconst UNRESERVED = new
RegExp(UNRESERVED$$, \"g\");\nconst PCT_ENCODED = new RegExp(PCT_ENCODED$, \"g\");\nconst
NOT_LOCAL_PART = new RegExp(merge(\"[^]\", ATEXT$$, \"[\\\\.]\", '[\\\\\"]', VCHAR$$), \"g\");\nconst
NOT_DOMAIN = new RegExp(merge(\"[^]\", ATEXT$$, \"[\\\\.]\", \"[\\\\[]\", DTEXT_NO_OBS$$, \"[\\\\]]\"),
\"g\");\nconst NOT_HFNAME = new RegExp(merge(\"[^]\", UNRESERVED$$, SOME_DELIMS$$),

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const NOT_HFVALUE = NOT_HFNAME;
const TO = new RegExp("^\w+ TO $\w+$");
const HFIELDS = new RegExp("^\w+ HFIELDS25 + $\w+$");

function decodeUnreserved(str:string):string {
  let decStr = pctDecChars(str);
  if (decStr.match(UNRESERVED)) {
    return decodeUnreserved(encodeURIComponent(str));
  } else {
    return decStr;
  }
}

const TO = new RegExp("^" + TO$ + "$");
const HFIELDS = new RegExp("^" + HFIELDS2$ + "$");

function decodeUnreserved(str:string):string {
  const decStr = pctDecChars(str);
  return (!decStr.match(UNRESERVED) ? str : decStr);
}

const handler:URISchemeHandler<MailtoComponents> = {
  scheme : "mailto",
  parse : function (components:URIComponents, options:URIOptions):MailtoComponents {
    const mailtoComponents = components as MailtoComponents;

    if (mailtoComponents.to) {
      to = mailtoComponents.to = (mailtoComponents.path ?
        mailtoComponents.path : undefined);

      if (!handler.unknownHeaders) {
        return mailtoComponents;
      }
    }

    const to = mailtoComponents.to = (mailtoComponents.path ?
      mailtoComponents.path : undefined);
    mailtoComponents.path = undefined;

    if (mailtoComponents.query) {
      let unknownHeaders = false;
      const headers:MailtoHeaders = {};
      const hfields = mailtoComponents.query.split("&");

      for (let x = 0, xl = hfields.length; x < xl; ++x) {
        const hfield = hfields[x].split("=");

        switch (hfield[0]) {
          case "to":
            to = hfield[1].split(",");
            for (let x = 0, xl = to.length; x < xl; ++x) {
              to.push(unescapeComponent(hfield[1]));
            }
            break;
          case "subject":
            mailtoComponents.subject = unescapeComponent(hfield[1], options);
            break;
          case "body":
            mailtoComponents.body = unescapeComponent(hfield[1], options);
            break;
          default:
            headers[unescapeComponent(hfield[0], options)] = unescapeComponent(hfield[1], options);
        }
      }
    }

    if (!handler.unknownHeaders) {
      return mailtoComponents;
    }

    if (mailtoComponents.to) {
      to = mailtoComponents.to = (mailtoComponents.path ?
        mailtoComponents.path : undefined);
    }

    if (mailtoComponents.query) {
      to = mailtoComponents.to = (mailtoComponents.path ?
        mailtoComponents.path : undefined);
    }

    const atIdx = mailtoComponents.to.lastIndexOf("@");
    const localPart = (mailtoComponents.to.slice(0, atIdx)).replace(PCT_ENCODED, decodeUnreserved).replace(PCT_ENCODED, toUpperCase).replace(NOT_LOCAL_PART, pctEncChar);
    const domain = mailtoComponents.to.slice(atIdx + 1);

    try {
      domain = (!options.iri ?
        punycode.toASCII(unescapeComponent(domain, options).toLowerCase()) : punycode.toUnicode(domain));
    } catch (e) {
      mailtoComponents.error = mailtoComponents.error || "Email address's domain name can not be converted to ASCII via punycode: " + e;
    }

    mailtoComponents.to = localPart + "@" + domain;

    if (mailtoComponents.headers) {
      for (const name in mailtoComponents.headers) {
        mailtoComponents.headers[name] = unescapeComponent(mailtoComponents.headers[name], options);
      }
    }

    //convert IDN via punycode
    if (options.unicodeSupport) {
      mailtoComponents.headers = mailtoComponents.headers || {};
      for (const name in mailtoComponents.headers) {
        mailtoComponents.headers[name] = unescapeComponent(mailtoComponents.headers[name], options).toLowerCase();
      }
    }

    if (mailtoComponents.query) {
      for (const name in mailtoComponents.query) {
        mailtoComponents.query[name] = unescapeComponent(mailtoComponents.query[name], options);
      }
    }

    return mailtoComponents;
  },

  serialize : function (mailtoComponents:MailtoComponents, options:URIOptions):URIComponents {
    const components = mailtoComponents as URIComponents;
    const to = toArray(mailtoComponents.to);
    if (to) {
      for (let x = 0, xl = to.length; x < xl; ++x) {
        const toAddr = String(to[x]);
        const atIdx = toAddr.lastIndexOf("@");
        const localPart = (toAddr.slice(0, atIdx)).replace(PCT_ENCODED, decodeUnreserved).replace(PCT_ENCODED, toUpperCase).replace(NOT_LOCAL_PART, pctEncChar);
        const domain = toAddr.slice(atIdx + 1);

        try {
          domain = (!options.iri ?
            punycode.toASCII(unescapeComponent(domain, options).toLowerCase()) : punycode.toUnicode(domain));
        } catch (e) {
          components.error = components.error || "Email address's domain name can not be converted to ASCII via punycode: " + e;
        }

        components.to = localPart + "@" + domain;

        if (mailtoComponents.headers) {
          for (const name in mailtoComponents.headers) {
            components.headers[name] = unescapeComponent(mailtoComponents.headers[name], options);
          }
        }

        if (mailtoComponents.query) {
          for (const name in mailtoComponents.query) {
            components.query[name] = unescapeComponent(mailtoComponents.query[name], options);
          }
        }

        return components;
      }
    }
  }
}

export default handler;

import { URIRegExps } from "./uri";
import { buildExps } from "./regexps-uri";

export default buildExps(true);
"./schemes/https";
SCHEMES[https.scheme] = https;

import mailto from "./schemes/mailto";
SCHEMES[mailto.scheme] = mailto;

import urn from "./schemes/urn";
SCHEMES[urn.scheme] = urn;

import uuid from "./schemes/urn-uuid";
SCHEMES[uuid.scheme] = uuid;

export * from "./uri";

import { SCHEMES } from "../uri";
import { URISchemeHandler, URIComponents, URIOptions } from "../uri";
import { pctEncChar, URNComponents } from "../uri";

export interface UUIDComponents extends URNComponents {
	uuid?: string;
}

const UUID = /^[0-9A-Fa-f]{8}(?:-[0-9A-Fa-f]{4}){3}-[0-9A-Fa-f]{12}$/;
const UUID_PARSE = /^[0-9A-Fa-f\-]{36}$/;

//RFC 4122
const handler: URISchemeHandler<UUIDComponents, URIOptions> = {
	scheme: "urn:uuid",

	parse: function (urnComponents: URNComponents, options: URIOptions): UUIDComponents {
		const uuidComponents = urnComponents as UUIDComponents;
		uuidComponents.uuid = uuidComponents.nss;
		uuidComponents.nss = undefined;

		if (!options.tolerant && (!uuidComponents.uuid || !uuidComponents.uuid.match(UUID))) {
			uuidComponents.error = uuidComponents.error || "UUID is not valid.";
		}

		return uuidComponents;
	},

	serialize: function (uuidComponents: UUIDComponents, options: URIOptions): URNComponents {
		const urnComponents = uuidComponents as URNComponents;
		//normalize UUID
		urnComponents.nss = (uuidComponents.uuid || ")".toLowerCase();
		return urnComponents;
	},
};

export default handler;

import { URISchemeHandler, URIComponents, URIOptions } from "../uri";
import { pctEncChar, SCHEMES } from "../uri";

export interface URNComponents extends URIComponents {
	nid?: string;
	nss?: string;
}

export interface URNOptions extends URIOptions {
	nid?: string;
}

const NID$ = "(?:[0-9A-Za-z][0-9A-Za-z])*";
const PCT_ENCODED$ = "(?:\\%[0-9A-Fa-f]{2})";
const TRANS$$ = "[0-9A-Za-z\(\)\+\-,\.:\\=\\@\\;\\$\\_\\!\\*\\'\\/\\?\\#]+";
const NSS$ = "(?:(?:\" + PCT_ENCODED$ + "|" + TRANS$$ + ")+)";
const URN_SCHEME = new RegExp("^urn\:(" + NID$ + ")$"));
const URN_PATH = new RegExp("^[0-9A-Za-z]+([0-9A-Za-z]*[0-9A-Za-z\-\.]*)$"));
const UNCONST_UUIDPARSE = /^[0-9A-Za-z\-\.]*/;
const UNCONST_NID = /^[0-9A-Za-z\-\.]*/;
const UNCONST_NSS = /^[0-9A-Za-z\-\.]*/;
const UNCONST_PCTENCODED = /^[0-9A-Za-z\-\.]*/;
const UNCONST_TRANS = /^[0-9A-Za-z\-\.]*/;
const UNCONST_NS = /^[0-9A-Za-z\-\.]*/;
const UNCONST_PATH = /^[0-9A-Za-z\-\.]*/;
const UNCONST_SCHEME = /^[0-9A-Za-z\-\.]*/;
const UNCONST_ID = /^[0-9A-Za-z\-\.]*/;
const UNCONST_NID = /^[0-9A-Za-z\-\.]*/;
const UNCONST_NSS = /^[0-9A-Za-z\-\.]*/;
const UNCONST_PATH = /^[0-9A-Za-z\-\.]*/;
const UNCONST_SCHEME = /^[0-9A-Za-z\-\.]*/;
const UNCONST_ID = /^[0-9A-Za-z\-\.]*/;
const UNCONST_NID = /^[0-9A-Za-z\-\.]*/;
const UNCONST_NSS = /^[0-9A-Za-z\-\.]*/;
const UNCONST_PATH = /^[0-9A-Za-z\-\.]*/;
const UNCONST_SCHEME = /^[0-9A-Za-z\-\.]*/;
const UNCONST_ID = /^[0-9A-Za-z\-\.]*/;
const UNCONST_NID = /^[0-9A-Za-z\-\.]*/;
const UNCONST_NSS = /^[0-9A-Za-z\-\.]*/;
const UNCONST_PATH = /^[0-9A-Za-z\-\.]*/;
const UNCONST_SCHEME = /^[0-9A-Za-z\-\.]*/;
const UNCONST_ID = /^[0-9A-Za-z\-\.]*/;
const UNCONST_NID = /^[0-9A-Za-z\-\.]*/;
const UNCONST_NSS = /^[0-9A-Za-z\-\.]*/;
const UNCONST_PATH = /^[0-9A-Za-z\-\.]*/;
const UNCONST_SCHEME = /^[0-9A-Za-z\-\.]*/;
const UNCONST_ID = /^[0-9A-Za-z\-\.]*/;
const UNCONST_NID = /^[0-9A-Za-z\-\.]*/;
const UNCONST_NSS = /^[0-9A-Za-z\-\.]*/;
const UNCONST_PATH = /^[0-9A-Za-z\-\.]*/;
const UNCONST_SCHEME = /^[0-9A-Za-z\-\.]*/;
const UNCONST_ID = /^[0-9A-Za-z\-\.]*/;
const UNCONST_NID = /^[0-9A-Za-z\-\.]*/;
const UNCONST_NSS = /^[0-9A-Za-z\-\.]*/;
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const UNCONST_NID = /^[0-9A-Za-z\-\.]*/;
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const UNCONST_SCHEME = /^[0-9A-Za-z\-\.]*/;
const UNCONST_ID = /^[0-9A-Za-z\-\.]*/;
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const UNCONST_SCHEME = /^[0-9A-Za-z\-\.]*/;
const UNCONST_ID = /^[0-9A-Za-z\-\.]*/;
const UNCONST_NID = /^[0-9A-Za-z\-\.]*/;
const UNCONST_NSS = /^[0-9A-Za-z\-\.]*/;
const UNCONST_PATH = /^[0-9A-Za-z\-\.]*/;
const UNCONST_SCHEME = /^[0-9A-Za-z\-\.]*/;
const UNCONST_ID = /^[0-9A-Za-z\-\.]*/;
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const UNCONST_SCHEME = /^[0-9A-Za-z\-\.]*/;
const UNCONST_ID = /^[0-9A-Za-z\-\.]*/;
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const UNCONST_ID = /^[0-9A-Za-z\-\.]*/;
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const UNCONST_SCHEME = /^[0-9A-Za-z\-\.]*/;
const UNCONST_ID = /^[0-9A-Za-z\-\.]*/;
const UNCONST_NID = /^[0-9A-Za-z\-\.]*/;
const UNCONST_NSS = /^[0-9A-Za-z\-\.]*/;
const UNCONST_PATH = /^[0-9A-Za-z\-\]
schemeHandler.parse(urnComponents, options) as URNComponents; else {urnComponents.error || "URN can not be parsed."; return urnComponents;};

function (urnComponents:URNComponents, options:URNOptions):URIComponents {

let scheme = options.scheme || urnComponents.scheme || "urn";

let urnScheme = `{scheme}:`; {options.nid || nid};

const schemeHandler = SCHEMES[urnScheme];

if (schemeHandler)
{

urnComponents = schemeHandler.parse(urnComponents, options) as URNComponents;

}

if (options.scheme || urnComponents.scheme)
{

urnComponents.error = urnComponents.error || "URN can not be parsed.";

}

return urnComponents;

};

serialize :

function (urnComponents:URNComponents, options:URNOptions):URIComponents {

const scheme = options.scheme || urnComponents.scheme || "urn";

const urnScheme = `{scheme}:`; {options.nid || nid};

const schemeHandler = SCHEMES[urnScheme];

if (schemeHandler)
{

urnComponents = schemeHandler.serialize(urnComponents, options) as URNComponents;

}

const uriComponents = urnComponents as URIComponents;

const nss = urnComponents.nss

uriComponents.path = `${nid || options.nid}:${nss}`;

return uriComponents;

};

export default handler;
HFIELDS = new RegExp("^" + HFIELDS2$ + "$"),

function decodeUnreserved(str:string):string {
    let decStr = pctDecChars(str);
    return (decStr.match(UNRESERVED) ? str : decStr);
}

function decodeUnreserved(str:string):string {
    return (!str.match(UNRESERVED) ? str : str.replace(PCT_ENCODED, decodeUnreserved));
}

const handler:URISchemeHandler = {
    scheme: "mailto",
    parse: function (components:URIComponents, options:URIOptions) {
        components.path = undefined;
        components.query = undefined;
        (components.query || []).forEach((query) => { components = parse(query, options); });
        return components;
    },
    serialize: function (components:URIComponents) {
        return components.toString();
    }
}

const handler:URISchemeHandler = {
    scheme: "https",
    parse: http.parse,
    serialize: http.serialize
}

const handler:URISchemeHandler = {
    scheme: "http",
    domainHost: true,
    parse: function (components:URIComponents, options:URIOptions) {
        // report missing host
        if (!components.host)
            throw new Error("Missing host");
        // convert IDN via punycode
        let domain = punycode.toASCII(components.domain, options);
        if (options.iri)
            domain = punycode.toUnicode(domain);
        let query = components.query;
        components.query = undefined;
        query = query.replace(PCT_ENCODED, decodeUnreserved);
        query = query.replace(PCT_ENCODED, toUpperCase);
        query = query.replace(NOT_HFNAME, pctEncChar);
        let fields = query.split("&");
        let addrTo = components.to;
        for (let x = 0, xl = fields.length; x < xl; ++x) {
            let field = fields[x].split("=");
            switch (field[0]) {
                case "to":
                    addrTo.push(field[1].split(",").map((part) => unescapeComponent(part, options)).join("@"));
                    break;
                case "domain":
                    components.domain = unescapeComponent(field[1], options);
                    break;
                case "subject":
                    components.subject = unescapeComponent(field[1], options);
                    break;
                case "body":
                    components.body = unescapeComponent(field[1], options);
                    break;
                default:
                    throw new Error("Unknown header");
            }
        }
        return components;
    },
    serialize: function (components:URIComponents) {
        let query = components.query;
        let fields = query.split("&");
        for (let x = 0, xl = fields.length; x < xl; ++x) {
            let field = fields[x].split("=");
            switch (field[0]) {
                case "to":
                    addrTo.push(field[1].split(",").map((part) => unescapeComponent(part, options)).join("@"));
                    break;
                case "subject":
                    components.subject = unescapeComponent(field[1], options);
                    break;
                case "body":
                    components.body = unescapeComponent(field[1], options);
                    break;
                default:
                    throw new Error("Unknown header");
            }
        }
        return components;
    }
}

export default handler;

import { URISchemeHandler, URIComponents, URIOptions } from "../uri";

import http from "./http";

const handler:URISchemeHandler = {
    scheme: "https",
    domainHost: http.domainHost,
    parse: http.parse,
    serialize: http.serialize
}

export default handler;

import { URISchemeHandler, URIComponents, URIOptions } from "../uri";

const handler:URISchemeHandler = {
    scheme: "http",
    domainHost: true,
    parse: function (components:URIComponents, options:URIOptions) {
        // report missing host
        throw new Error("Missing host");
    },
    serialize: function (components:URIComponents, options:URIOptions) {
        return components.toString();
    }
}

export default handler;
HTTP URIs must have a host. `normalizedDefaultPort` returns the default port `undefined` if the port is undefined.

```javascript
.normalizePort = function(components, options) {
    var port = components.port;
    if (options.tolerant) {
        port = normalizeFromPort(port, components.scheme);
    }
    return port;
}
```

`normalizeFromPort` normalizes the port based on the scheme.

```
.normalizeFromPort = function(port, scheme) {
    return (String(scheme.toLowerCase() !== "https" ? 80 : 443) || components.port === undefined) ? undefined : port;
}
```

This function checks if the port is a number and normalizes it based on the scheme. If the port is undefined or not a number, it returns `undefined`. If the scheme is not HTTPS, it returns 80 as the default port; otherwise, it returns 443.

The `serialize` function normalizes the path and port, and it does not parse query strings for HTTP URIs as they are encoded in the HTML4+ spec.

```
serialize = function(components, options) {
    // Normalize the default port
    if (components.port === (String(components.scheme).toLowerCase() !== "https" ? 80 : 443) || components.port === undefined) {
        components.port = undefined;
    }

    // Normalize the empty path
    if (!components.path) {
        components.path = "/";
    }

    // Normalize query strings for HTTP URIs as they are part of the HTML4+ spec
    if (components.path) {
        components.path = encodeURIComponent(components.path);
    }

    // Normalize fragment
    if (components.fragment) {
        components.fragment = encodeURIComponent(components.fragment);
    }

    return components;
}
```

`normalize` normalizes the components and options, and it does not parse query strings for HTTP URIs as they are encoded in the HTML4+ spec.

```
.normalize = function(components, options) {
    // Normalize the default port
    if (components.port === (String(components.scheme).toLowerCase() !== "https" ? 80 : 443) || components.port === undefined) {
        components.port = undefined;
    }

    // Normalize the empty path
    if (!components.path) {
        components.path = "/";
    }

    // Normalize query strings for HTTP URIs as they are part of the HTML4+ spec
    if (components.path) {
        components.path = encodeURIComponent(components.path);
    }

    // Normalize fragment
    if (components.fragment) {
        components.fragment = encodeURIComponent(components.fragment);
    }

    return components;
}
```

The `normalize` function normalizes the components and options, and it does not parse query strings for HTTP URIs as they are encoded in the HTML4+ spec.
null

export function parse(uriString: string, options: URIOptions = {}): URIComponents {
    type options = URIOptions;
    const protocol = (options.iri !== false ? IRI_PROTOCOL : URI_PROTOCOL);

    // IRI suffix + suffix

    // URI fixes
    uriString = (uriString.indexOf("@") !== -1 ? matches[3] : undefined);

    // parse
    const components = parseInt(matches[5], 10); // Normalize components.

    // Normalize IP host
    const components = _normalizeIPv6(_normalizeIPv4(components.host, protocol), protocol);

    // Handle scheme
    if (components.scheme === undefined) {
        components.scheme = components.scheme || "\"";
    }

    // Handle reference
    if (options.reference !== "suffix") {
        components.error = components.error || "URI is not a " + options.reference + " reference.";
    }

    // Recompose authority
    return _recomposeAuthority(components, options);
}

function _recomposeAuthority(components: URIComponents, options: URIOptions): string | undefined {
    const protocol = (options.iri !== false ? IRI_PROTOCOL : URI_PROTOCOL);

    // Recompose authority
    return undefined;
}

// Other functions and constants
removeDotSegments(input:string):string {
  const output:Array<string> = [];

  while (input.length) {
    if (input.match(RDS1)) {
      input = input.replace(RDS1, "/\"\"");
    } else if (input.match(RDS2)) {
      input = input.replace(RDS2, "/\"\"");
    } else if (input.match(RDS3)) {
      input = input.replace(RDS3, "\"\"");
      output.pop();
    } else if (input === "." || input === "..") {
      input = "";
    } else {
      const im = input.match(RDS5);
      if (im) {
        const s = im[0];
        input = input.slice(s.length);
        output.push(s);
      } else {
        throw new Error("Unexpected dot segment condition\"\"");
      }
    }
  }

  return output.join("\"\"\"\"");
};

export function serialize(components:URIComponents, options:URIOptions = {}) :string {
  const protocol = (options.iri ? IRI_PROTOCOL : URI_PROTOCOL);
  const uriTokens:Array<string> = [];

  //find scheme handler
  const schemeHandler = SCHEMES[(options.scheme || components.scheme || "").toLowerCase()];

  //perform scheme specific serialization
  if (schemeHandler && schemeHandler.serialize) schemeHandler.serialize(components, options);

  if (components.host) {
    //if host component is an IPv6 address
    if (protocol.IPV6ADDRESS.test(components.host)) {
      //TODO: normalize IPv6 address as per RFC 5952
    }

    //if host component is a domain name
    else if (options.domainHost || (schemeHandler && schemeHandler.domainHost)) {
      //convert IDN via punycode
      try {
        components.host = (!options.iri ? punycode.toASCII(components.host.replace(protocol.PCT_ENCODED, pctDecChars).toLowerCase()) : punycode.toUnicode(components.host));
      } catch (e) {
        if (options.error) {
          throw new Error("Host's domain name can not be converted to " + (!options.iri ? "ASCII" : "Unicode") + " via punycode: " + e);
        }
      }
    }
  }

  //normalize path
  _normalizeComponentEncoding(components, protocol);

  if (options.reference !== "suffix" && components.scheme) {
    uriTokens.push(components.scheme);
    uriTokens.push(":");
  }

  const authority = _recomposeAuthority(components, options);
  if (authority !== undefined) {
    if (options.reference !== "suffix") {
      uriTokens.push("//");
    }

    uriTokens.push(authority);
  }

  if (components.path) {
    if (options.absolutePath && (!schemeHandler || !schemeHandler.absolutePath)) {
      components.path = removeDotSegments(components.path || "/\"\"");
    } else if (authority === undefined) {
      components.path = components.path.replace(/^\/\//, "/%2F\"\"");
    }

    uriTokens.push(components.path);
  }

  if (components.query) {
    uriTokens.push("?\"\"");
    uriTokens.push(components.query);
  }

  if (components.fragment) {
    uriTokens.push("\"\"");
    uriTokens.push(components.fragment);
  }

  return uriTokens.join("\"\"");
}
```javascript
/* @param {String} string The Unicode input string (UCS-2).
 * @returns {Array} The new array of code points.
 */
function ucs2decode(string) {
    const output = [];
    let counter = 0;
    const length = string.length;
    while (counter < length) {
        const value = string.charCodeAt(counter++);
        if (value >= 0xD800 && value <= 0xDBFF && counter < length) {
            // It's a high surrogate, and there is a next character.
            const extra = string.charCodeAt(counter++);
            if ((extra & 0xFC00) == 0xDC00) { // Low surrogate.
                output.push(((value & 0x3FF) << 10) + (extra & 0x3FF) + 0x10000);
            } else {
                // It's an unmatched surrogate; only append this code unit, in case the next code unit is the high surrogate of a surrogate pair.
                output.push(value);
                counter--;
            }
        } else {
            output.push(value);
        }
    }
    return output;
}

/**
 * Creates a string based on an array of numeric code points.
 * @see `punycode.ucs2.decode`
 * @memberOf punycode.ucs2
 * @name encode
 * @param {Array} codePoints The array of numeric code points.
 * @returns {String} The new Unicode string (UCS-2).
 */
const ucs2encode = array => String.fromCodePoint(...array);

/**
 * Converts a basic code point into a digit/integer.
 * @see `digitToBasic()`
 * @memberOfpunycode.ucs2
 * @param {Number} digit The numeric value of a basic code point (for use in * representing integers) in the range 0 to base - 1, or `base` if `digit` * the code point does not represent a value.
 * @returns {Number} The numeric value of a basic code point.
 */
const basicToDigit = function(digit) {
    if (digit - 0x30 < 0x0A) {
        return digit - 0x16;
    }
    if (digit - 0x41 < 0x1A) {
        return digit - 0x41;
    }
    if (digit - 0x61 < 0x1A) {
        return digit - 0x61;
    }
    return base;
};

/**
 * Converts a digit/integer into a basic code point.
 * @see `basicToDigit()`
 * @param {Number} digit The numeric value of a basic code point.
 * @returns {Number} The basic code point whose value (when used for * representing integers) is `digit`, which needs to be in the range 0 to base - 1. If `digit` is non-zero, the uppercase form is used; else, the lowercase form is used. The behavior is undefined if `digit` is not a basic code point.
 * @returns {Number} The numeric value of a basic code point.
 */
const digitToBasic = function(digit, flag) {
    // 0..25 map to ASCII a..z or A..Z
    // 26..35 map to ASCII 0..9
    return digit + 22 + 75 * (digit < 26) - ((flag != 0) << 5);
};

/**
 * Bias adaptation function as per section 3.4 of RFC 3492.
 * @private
 */
const adapt = function(delta, numPoints, firstTime) {
    let k = 0;
    delta = firstTime ? floor(delta / damp) : delta >> 1;
    delta += floor(delta / numPoints);
    for (/* no initialization */; delta > baseMinusTMin * tMax >> 1; k += base) {
        delta = floor(delta / baseMinusTMin);
    }
    return floor(k + (baseMinusTMin + 1) * delta / (delta + skew));
};

/**
 * Converts a Punycode string of ASCII-only symbols to a string of Unicode symbols.
 * @memberOf punycode
 * @param {String} input The Punycode string of ASCII-only symbols.
 * @returns {String} The resulting string of Unicode symbols.
 */
const decode = function(input) {
    const output = [];
    const inputLength = input.length;
    let i = 0;
    let n = initialN;
    let bias = initialBias;

    // Handle the basic code points: let `basic` be the number of input code points before the last delimiter, or 0 if there is none, then copy `basic` first basic code points to the output.
    let basic = input.lastIndexOf(delimiter);
    if (basic < 0) {
        basic = 0;
    }
    for (let j = 0; j < basic; ++j) {
        output.push(input.charCodeAt(j));
    }
    if (flag == 0) {
        error('not-basic');
    }
    output.push(input.charCodeAt(j++));

    // Main decoding loop: start just after the last delimiter if any basic code points were copied; start at the beginning otherwise.
    for (let index = basic > 0 ? basic + 1 : 0; /* no final expression */; ) {
        let oldI = i;
        for (let w = 1, k = base; /* no condition */; k += base) {
            let t = bias ? tMin : tMax;
            let tMin = (k >= bias) ? baseMinusMin : baseMinusMax;
            let tMax = (k < bias) ? baseMinusMax : baseMinusMin;
            let t = (tMin >= tMax) ? baseMinusMax : baseMinusMin;
            let t = baseMinusTMin;
            let t = output.push(input.charCodeAtAt(j++));
            if (tMin < tMax) {
                t = floor(t / (maxInt - n));
                output.push((value & 0x3FF) << 10) + (extra & 0x3FF) + 0x10000;
            } else {
                output.push(value);
                counter--;
            }
        }
        bias = adapt(i - oldI, out, oldI == 0);
        if (floor(i / out) > maxInt - n)
```
function toASCII(input) {
    return mapDomain(input, function(string) {
        return regexNonASCII.test(string) ? 'xn--' + encode(string) : string;
    });
}

/*-----------------------------------
---------------------------------------*/

/** Define the public API */
const punycode = {
    /**
     * A string representing the current Punycode.js version number.
     * @memberOf punycode
     * @type String
     */
    'version': '2.1.0',
    /**
     * An object of methods to convert from JavaScript's internal character
     * representation (UCS-2) to Unicode code points, and back.
     * @see <https://mathiasbynens.be/notes/javascript-encoding>
     * @memberOf punycode
     * @type Object
     */
    'ucs2': {
        'decode': ucs2decode,
        'encode': ucs2encode
    },
    'decode': decode,
    'encode': encode,
    'toASCII': toASCII,
    'toUnicode': toUnicode
};

export default punycode;

import { URIRegExps } from './uri';
import { buildExps } from './regexps-uri';

export default buildExps(true);

import { URIRegExps } from './uri';
import { merge, subexp } from './util';

export function buildExps(isIRI:boolean):URIRegExps {
    const
        ALPH$$ = "[A-
null
undefined ? 'undefined' : (o === null ? 'null' : Object.prototype.toString.call(o).split(' ')[1].toUpperCase());

export function toUpperCase(str:string):string {
	return str.toUpperCase();
}

export function toArray(obj:any):Array<any> {
	return obj !== undefined && obj !== null ? (obj instanceof Array ? obj : (typeof obj.length !== 'number' || obj.split || obj.setInterval || obj.call ? [obj] : Array.prototype.slice.call(obj))) : [];
}

export function assign(target: object, source: any): any {
	const obj = target as any;
	if (source) {
		for (const key in source) {
			obj[key] = source[key];
		}
	}
	return obj;
}
Open Source Used In MSX Platform Infrastructure 4.1.0 24788
Open Source Used In MSX Platform Infrastructure 4.1.0
No license file was found, but licenses were detected in source scan.

import resolve from 'rollup-plugin-node-resolve';
import babel from 'rollup-plugin-babel';
const packageJson = require('./package.json');

export default {
  entry : "dist/esnext/index.js",
  format : "umd",
  moduleName : "URI",
  plugins: [
    resolve({
      module: true,
      jsnext: true,
      preferBuiltins: false
    }),
    babel({
      "presets": [
        "latest",
        {"es2015": {"modules": false}}
      ],
      "plugins": ["external-helpers"],
      "externalHelpers": false
    })
  ],
  dest  : "dist/es5/uri.all.js",
  sourceMap: true,
  banner: "/** @license URI.js v" + packageJson.version + " (c) 2011 Gary Court. License:"
http://github.com/garycourt/uri-js */
}

Found in path(s):
* /opt/cola/permits/1110634955_1606918997.92/0/garycourt-uri-js-4.2.2-0-g4f6f600-1-tar-gz/garycourt-uri-js-4f6f600/rollup.config.js
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Contains code from glfx.js

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- scannerc.go
- writerc.go
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1.3318 libsensors-config 3.6.0-7

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If such an object file uses only numerical parameters, data
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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
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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Here is a list of the main contributors to lm-sensors version 3.

* Frodo Looijaard
  Original author of libsensors, sensors-detect, sensors and isadump.
* Merlin Hughes
  Original author of sensord.
* Bob Schlaermann
  Dynamic chip feature detection (a.k.a. generic chip support) in 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.

1.3319 python-minimal 3.9.2-3
1.3319.1 Available under license :

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A. HISTORY OF THE SOFTWARE

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

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

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.
All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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  jar/io/netty/handler/codec/CodecOutputList.java
* /opt/cola/permits/1145449520_1616155795.37/0/netty-codec-4-1-59-final-sources-1-
  jar/io/netty/handler/codec/string/LineSeparator.java
* /opt/cola/permits/1145449520_1616155795.37/0/netty-codec-4-1-59-final-sources-1-
  jar/io/netty/handler/codec/string/LineEncoder.java
* /opt/cola/permits/1145449520_1616155795.37/0/netty-codec-4-1-59-final-sources-1-
  jar/io/netty/handler/codec/compression/CompressionUtil.java
* /opt/cola/permits/1145449520_1616155795.37/0/netty-codec-4-1-59-final-sources-1-
  jar/io/netty/handler/codec/compression/ByteBufChecksum.java
* /opt/cola/permits/1145449520_1616155795.37/0/netty-codec-4-1-59-final-sources-1-
  jar/io/netty/handler/codec/DatagramPacketEncoder.java
* /opt/cola/permits/1145449520_1616155795.37/0/netty-codec-4-1-59-final-sources-1-
  jar/io/netty/handler/codec/DatagramPacketDecoder.java

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* /opt/cola/permits/1145449520_1616155795.37/0/netty-codec-4-1-59-final-sources-1.jar/io/netty/handler/codec/HeadersUtils.java
* /opt/cola/permits/1145449520_1616155795.37/0/netty-codec-4-1-59-final-sources-1.jar/io/netty/handler/codec/protobuf/ProtobufVarint32FrameDecoder.java
* /opt/cola/permits/1145449520_1616155795.37/0/netty-codec-4-1-59-final-sources-1.jar/io/netty/handler/codec/protobuf/ProtobufEncoder.java
* /opt/cola/permits/1145449520_1616155795.37/0/netty-codec-4-1-59-final-sources-1.jar/io/netty/handler/codec/protobuf/ProtobufVarint32LengthFieldPrepender.java
* /opt/cola/permits/1145449520_1616155795.37/0/netty-codec-4-1-59-final-sources-1.jar/io/netty/handler/codec/ProtocolDetectionResult.java
* /opt/cola/permits/1145449520_1616155795.37/0/netty-codec-4-1-59-final-sources-1.jar/io/netty/handler/codec/protobuf/ProtobufDecoderNano.java
* /opt/cola/permits/1145449520_1616155795.37/0/netty-codec-4-1-59-final-sources-1.jar/io/netty/handler/codec/protobuf/ProtobufEncoderNano.java

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*/
/**
* A decoder that splits the received [@link ByteBuf]s dynamically by the
* value of the length field in the message. It is particularly useful when you
* decode a binary message which has an integer header field that represents the
* length of the message body or the whole message.
* <p>
* [@link LengthFieldBasedFrameDecoder] {has} many configuration parameters so
* that it can decode any message with a length field, which is often seen in
* proprietary client-server protocols. Here are some example that will give
* you the basic idea on which option does what.
* 
* <h3>2 bytes length field at offset 0, do not strip header</h3>
* 
* The value of the length field in this example is <tt>12 (0x0C)</tt> which
* represents the length of "HELLO, WORLD". By default, the decoder assumes
* that the length field represents the number of the bytes that follows the
* length field. Therefore, it can be decoded with the simplistic parameter
* combination.
* <pre>
* <b>lengthFieldOffset</b>   = <b>0</b>
* <b>lengthFieldLength</b>   = <b>2</b>
* lengthAdjustment    = 0
* initialBytesToStrip = 0 (= do not strip header)
* 
* BEFORE DECODE (14 bytes)         AFTER DECODE (14 bytes)
* +--------+----------------+      +--------+----------------+
* | Length | Actual Content |----->| Length | Actual Content |
* | 0x000C | "HELLO, WORLD" |      | 0x000C | "HELLO, WORLD" |
* +--------+----------------+      +--------+----------------+
* </pre>
* 
* <h3>2 bytes length field at offset 0, strip header</h3>
* 
* Because we can get the length of the content by calling
* [@link ByteBuf#readableBytes()], you might want to strip the length
* field by specifying <tt>initialBytesToStrip</tt>. In this example, we
* specified <tt>2</tt>, that is same with the length of the length field, to
* strip the first two bytes.
* <pre>
* lengthFieldOffset = 0
* lengthFieldLength = 2
* lengthAdjustment = 0
* </pre>
* `<b>`initialBytesToStrip</b>` = `<b>`2` (= the length of the Length field)
* 
* BEFORE DECODE (14 bytes) AFTER DECODE (12 bytes)
* +--------+----------------+      +----------------+
* | Length | Actual Content |----->| Actual Content |
* | 0x000C | "HELLO, WORLD" |      | "HELLO, WORLD" |
* +--------+----------------+      +----------------+
* </pre>

* `<h3>`2 bytes length field at offset 0, do not strip header, the length field * represents the length of the whole message</h3>
* 
* In most cases, the length field represents the length of the message body
* only, as shown in the previous examples. However, in some protocols, the
* length field represents the length of the whole message, including the
* message header. In such a case, we specify a non-zero
* `<tt>`lengthAdjustment</tt>` `. Because the length value in this example message
* is always greater than the body length by `<tt>`2</tt>`, we specify `<tt>`-2</tt>`
* as `<tt>`lengthAdjustment</tt>` for compensation.
* 
* `<pre>`
* lengthFieldOffset   = 0
* lengthFieldLength   = 2
* `<b>`lengthAdjustment</b>` = `<b>`-2` (= the length of the Length field)
* initialBytesToStrip = 0
* 
* BEFORE DECODE (14 bytes) AFTER DECODE (14 bytes)
* +--------+----------------+      +--------+----------------+
* | Length | Actual Content |----->| Length | Actual Content |
* | 0x000E | "HELLO, WORLD" |      | 0x000E | "HELLO, WORLD" |
* +--------+----------------+      +--------+----------------+
* </pre>

* `<h3>`3 bytes length field at the end of 5 bytes header, do not strip header</h3>
* 
* The following message is a simple variation of the first example. An extra
* header value is prepended to the message. `<tt>`lengthAdjustment</tt>` is zero
* again because the decoder always takes the length of the prepended data into
* account during frame length calculation.
* 
* `<pre>`
* `<b>`lengthFieldOffset</b>` = `<b>`2` (= the length of Header 1)
* `<b>`lengthFieldLength</b>` = `<b>`3` (= the length of Header 1)
* lengthAdjustment    = 0
* initialBytesToStrip = 0
* 
* BEFORE DECODE (17 bytes) AFTER DECODE (17 bytes)
* +----------+----------+----------------+      +----------+----------+----------------+
* | Header 1 |  Length  | Actual Content |----->| Header 1 |  Length  | Actual Content |
* | 0xCAFE  | 0x00000C | "HELLO, WORLD" |      | 0xCAFE  | 0x00000C | "HELLO, WORLD" |
* +----------+----------+----------------+      +----------+----------+----------------+
This is an advanced example that shows the case where there is an extra header between the length field and the message body. You have to specify a positive `<tt>lengthAdjustment</tt>` so that the decoder counts the extra header into the frame length calculation.

| `<tt>lengthFieldOffset</tt>` | `0` |
| `lengthFieldLength` | `3` |
| `<tt>lengthAdjustment</tt>` | `2` (= the length of Header 1) |
| `<tt>initialBytesToStrip</tt>` | `0` |

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

<table>
<thead>
<tr>
<th>Length</th>
<th>Header 1</th>
<th>Actual Content</th>
<th>Length</th>
<th>Header 1</th>
<th>Actual Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>0x00000C</td>
<td>0xCAFE</td>
<td>&quot;HELLO, WORLD&quot;</td>
<td>0x00000C</td>
<td>0xCAFE</td>
<td>&quot;HELLO, WORLD&quot;</td>
</tr>
</tbody>
</table>

BEFORE DECODE (16 bytes)                      AFTER DECODE (13 bytes)

<table>
<thead>
<tr>
<th>HDR1</th>
<th>Length</th>
<th>HDR2</th>
<th>Actual Content</th>
<th>HDR2</th>
<th>Actual Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>0xCA</td>
<td>0x000C</td>
<td>0xFE</td>
<td>&quot;HELLO, WORLD&quot;</td>
<td>0xFE</td>
<td>&quot;HELLO, WORLD&quot;</td>
</tr>
</tbody>
</table>

This is a combination of all the examples above. There are the prepended header before the length field and the extra header after the length field.

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

BEFORE DECODE (16 bytes)                      AFTER DECODE (13 bytes)

<table>
<thead>
<tr>
<th>HDR1</th>
<th>Length</th>
<th>HDR2</th>
<th>Actual Content</th>
<th>HDR2</th>
<th>Actual Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>0xCA</td>
<td>0x000C</td>
<td>0xFE</td>
<td>&quot;HELLO, WORLD&quot;</td>
<td>0xFE</td>
<td>&quot;HELLO, WORLD&quot;</td>
</tr>
</tbody>
</table>

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

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

BEFORE DECODE (16 bytes)                      AFTER DECODE (13 bytes)

<table>
<thead>
<tr>
<th>HDR1</th>
<th>Length</th>
<th>HDR2</th>
<th>Actual Content</th>
<th>HDR2</th>
<th>Actual Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>0xCA</td>
<td>0x000C</td>
<td>0xFE</td>
<td>&quot;HELLO, WORLD&quot;</td>
<td>0xFE</td>
<td>&quot;HELLO, WORLD&quot;</td>
</tr>
</tbody>
</table>
Let's give another twist to the previous example. The only difference from the previous example is that the length field represents the length of the whole message instead of the message body, just like the third example.

We have to count the length of HDR1 and Length into `<tt>lengthAdjustment</tt>`, please note that we don't need to take the length of HDR2 into account because the length field already includes the whole header length.

```java
    * lengthFieldOffset   = 1
    * lengthFieldLength   = 2
    * <b>lengthAdjustment</b> = <b>-3</b> (= the length of HDR1 + LEN, negative)
    * <b>initialBytesToStrip</b> = <b>3</b>
    *
    * BEFORE DECODE (16 bytes)                       AFTER DECODE (13 bytes)
    * +------------+-------+------------+----------------+      +------------+----------------+
    * | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
    * | 0xCA 0x0010 | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
    * +-----------------+      +-----------------+
    *
    * @see LengthFieldPrepender
    */
```

Found in path(s):
* /opt/cola/permits/1145449520_1616155795.37/0/netty-codec-4-1-59-final-sources-1-jar/io/netty/handler/codec/LengthFieldBasedFrameDecoder.java

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  jar/io/netty/handler/codec/xml/XmlFrameDecoder.java

* /opt/cola/permits/1145449520_1616155795.37/0/netty-codec-4-1-59-final-sources-1-
  jar/io/netty/handler/codec/compression/LzfDecoder.java
* /opt/cola/permits/1145449520_1616155795.37/0/netty-codec-4-1-59-final-sources-1-
  jar/io/netty/handler/codec/compression/Lz4FrameEncoder.java
* /opt/cola/permits/1145449520_1616155795.37/0/netty-codec-4-1-59-final-sources-1-
  jar/io/netty/handler/codec/compression/FastLz.java
* /opt/cola/permits/1145449520_1616155795.37/0/netty-codec-4-1-59-final-sources-1-
  jar/io/netty/handler/codec/compression/FastLzFrameEncoder.java
* /opt/cola/permits/1145449520_1616155795.37/0/netty-codec-4-1-59-final-sources-1-
  jar/io/netty/handler/codec/compression/FastLzFrameDecoder.java
* /opt/cola/permits/1145449520_1616155795.37/0/netty-codec-4-1-59-final-sources-1-
  jar/io/netty/handler/codec/compression/Lz4Constants.java
* /opt/cola/permits/1145449520_1616155795.37/0/netty-codec-4-1-59-final-sources-1-
  jar/io/netty/handler/codec/AsciiHeadersEncoder.java
* /opt/cola/permits/1145449520_1616155795.37/0/netty-codec-4-1-59-final-sources-1-
  jar/io/netty/handler/codec/compression/Bzip2HuffmanAllocator.java
* /opt/cola/permits/1145449520_1616155795.37/0/netty-codec-4-1-59-final-sources-1-
  jar/io/netty/handler/codec/compression/Bzip2BlockDecompressor.java
* /opt/cola/permits/1145449520_1616155795.37/0/netty-codec-4-1-59-final-sources-1-
  jar/io/netty/handler/codec/compression/Bzip2MoveToFrontTable.java
* /opt/cola/permits/1145449520_1616155795.37/0/netty-codec-4-1-59-final-sources-1-
  jar/io/netty/handler/codec/compression/Bzip2Encoder.java
* /opt/cola/permits/1145449520_1616155795.37/0/netty-codec-4-1-59-final-sources-1-
  jar/io/netty/handler/codec/compression/SnappyFramedDecoder.java
* /opt/cola/permits/1145449520_1616155795.37/0/netty-codec-4-1-59-final-sources-1-
  jar/io/netty/handler/codec/compression/SnappyFrameEncoder.java
* /opt/cola/permits/1145449520_1616155795.37/0/netty-codec-4-1-59-final-sources-1-
  jar/io/netty/handler/codec/compression/SnappyFrameDecoder.java
* /opt/cola/permits/1145449520_1616155795.37/0/netty-codec-4-1-59-final-sources-1-
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  jar/io/netty/handler/codec/EmptyHeaders.java
* /opt/cola/permits/1145449520_1616155795.37/0/netty-codec-4-1-59-final-sources-1-
  jar/io/netty/handler/codec/DefaultHeaders.java
* /opt/cola/permits/1145449520_1616155795.37/0/netty-codec-4-1-59-final-sources-1-
  jar/io/netty/handler/codec/Headers.java

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1.3340 color-name 1.1.4

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package copyright

import (
    "os"
    "path/filepath"
    "strings"
    "testing"
)

func TestToolsCopyright(t *testing.T) {
    cwd, err := os.Getwd()
    if err != nil {
        t.Fatal(err)
    }
    tools := filepath.Dir(cwd)
if !strings.HasSuffix(filepath.Base(tools), "tools") {
    t.Fatal("current working directory is %s, expected tools", tools)
}

files, err := checkCopyright(tools)
if err != nil {
    t.Fatal(err)
}
if len(files) > 0 {
    t.Errorf("The following files are missing copyright notices:
%s", strings.Join(files, 
"
))
}

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//go:generate ./gen-licenses.sh licenses.go
package hooks

const licensesText = `-- github.com/BurntSushi/toml COPYING --
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```
const licensesGeneratedFrom = "029a0f934a7bad22a7d47185055be554b1ea23ce427351caa87d9a088fcfba4e"
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// Package copyright checks that files have the correct copyright notices.
package copyright

import (
    "go/ast"
    "go/parser"
func checkCopyright(dir string) (files []string, err error) {
    var files []string
    err := filepath.Walk(dir, func(path string, info os.FileInfo, err error) error {
        if err != nil {
            return err
        }
        if info.IsDir() {
            // Skip directories like ".git".
            if strings.HasPrefix(info.Name(), ".") {
                return filepath.SkipDir
            }
            return nil
        }
        needsCopyright, err := checkFile(dir, path)
        if err != nil {
            return err
        }
        if needsCopyright {
            files = append(files, path)
        }
        return nil
    })
    return files, err
}

var copyrightRe = regexp.MustCompile(`Copyright \d{4} The Go Authors. All rights reserved. Use of this source code is governed by a BSD-style license that can be found in the LICENSE file.`)

func checkFile(toolsDir, filename string) (needsCopyright bool, err error) {
    // Only check Go files.
    if !strings.HasSuffix(filename, "go") {
        return false, nil
    }
    // Don't check testdata files.
    normalized := strings.TrimPrefix(filepath.ToSlash(filename), filepath.ToSlash(toolsDir))
    if strings.Contains(normalized, "/testdata/") {
        return false, nil
    }
    // goyacc is the only file with a different copyright header.
if strings.HasSuffix(normalized, "cmd/goyacc/yacc.go") {
    return false, nil
}

content, err := ioutil.ReadFile(filename)
if err != nil {
    return false, err
}

fset := token.NewFileSet()
parsed, err := parser.ParseFile(fset, filename, content, parser.ParseComments)
if err != nil {
    return false, err
}

// Don't require headers on generated files.
if isGenerated(fset, parsed) {
    return false, nil
}

shouldAddCopyright := true
for _, c := range parsed.Comments {
    // The copyright should appear before the package declaration.
    if c.Pos() > parsed.Package {
        break
    }
    if copyrightRe.MatchString(c.Text()) {
        shouldAddCopyright = false
        break
    }
}

return shouldAddCopyright, nil

// Copied from golang.org/x/tools/internal/lsp/source/util.go.
// Matches cgo generated comment as well as the proposed standard:
// https://golang.org/s/generatedcode
var generatedRx = regexp.MustCompile(`// .*DO NOT EDIT\.?`)
package hooks

import {
    "crypto/sha256"
    "encoding/hex"
    "io/ioutil"
    "testing"
}

func TestLicenses(t *testing.T) { 
    sumBytes, err := ioutil.ReadFile("../../go.sum")
    if err != nil {
        t.Fatal(err)
    }
    sumSum := sha256.Sum256(sumBytes)
    if licensesGeneratedFrom != hex.EncodeToString(sumSum[:]) {
        t.Error("combined license text needs updating. Run: `go generate ./internal/hooks` from the gopls module.")
    }
}

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1.3344 man-db 2.6.3 11.el7

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   analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
   analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java
   analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java

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===========================================================================
Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration
===========================================================================

This software includes a binary and/or source version of data from

mecab-ipadic-2.7.0-20070801

which can be obtained from

http://atilika.com/releases/mecab-ipadic/mecab-ipadic-2.7.0-20070801.tar.gz

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http://jaist.dl.sourceforge.net/project/mecab/mecab-ipadic/2.7.0-20070801/mecab-ipadic-2.7.0-20070801.tar.gz

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1.3346 run-queue 1.0.3

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* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/util/proxy/FactoryHelper.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/compiler/ast/NewExpr.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/tools/rmi/ObjectNotFoundException.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/Mnemonic.java
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jar/javassist/bytecode/CodeIterator.java
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* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-
jar/javassist/bytecode/Opcode.java
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* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/compiler/ast/InstanceOfExpr.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/expr/FieldAccess.java
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* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/CodeIterator.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/compiler/ast/InstanceOfExpr.java

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* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-
jar/javassist/bytecode/annotation/MemberValue.java
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jar/javassist/bytecode/annotation/ByteMemberValue.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-
jar/javassist/bytecode/annotation/EnumMemberValue.java
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* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-
jar/javassist/bytecode/annotation/DoubleMemberValue.java

1.3348 bar 1.0.0

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1.3350 defaults 1.0.3

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1.3351 css-box-model 1.0.0

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1.3352 kubernetes-component-base v0.18.12

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1.3358 hdrhistogram 2.1.9

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* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/PercentileIterator.java
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* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/AtomicHistogram.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/DoubleRecordedValuesIterator.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/ZigZagEncoding.java
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* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/EncodableHistogram.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/DoubleHistogram.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/Histogram.java
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* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/DoubleLinearIterator.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/HistogramLogReader.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/LinearIterator.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/DoublePercentileIterator.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/SynchronizedDoubleHistogram.java
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package org.HdrHistogram;

final class Version {
    public static final String version="$VERSION$";
    public static final String build_time="$BUILD_TIME$";
}

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* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/DoubleAllValuesIterator.java
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* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/SynchronizedHistogram.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/Recorder.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/DoubleHistogramIterationValue.java
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* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/SingleWriterDoubleRecorder.java
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1.3370 node-resolve-from

5.0.0+~3.1.0+~3.3.0+~2.0.0-1

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The 50 level includes Brian's frequency class 1, words words appearing in at least 5 of 12 of the dictionaries as indicated in the 12Dicts package, and uppercase words in at least 4 of the previous 12 dictionaries. A decent number of proper names is also included: The top 1000 male, female, and Last names from the 1990 Census report; a list of names sent to me by Alan Beale; and a few names that I added myself. Finally a small list of abbreviations not commonly found in other word lists is included.

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 888       8   888   .d88'    Y888..8P    888       8   888   .d88'    Y888..8P
 888       8   888ooo88P'      `8888'     888       8   888ooo88P'      `8888'
 888       8   888            .8PY888.   888       8   888            .8PY888.
 `88.    .8'   888           d8'  `888b   `88.    .8'   888           d8'  `888b
 `YbodP'    o888o        o888o  o88888o   `YbodP'    o888o        o888o  o88888o
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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

-----

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html
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OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html
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1.3384 arr-flatten 1.1.0

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2-jar/io/netty/internal/tcnative/NativeStaticallyReferencedJniMethods.java
* /opt/ws_local/PERMITS_SQL/1068267997_1594338584.78/0/netty-tcnative-boringssl-static-2-0-7-final-sources-
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  2-jar/io/netty/internal/tcnative/SSL.java
* /opt/ws_local/PERMITS_SQL/1068267997_1594338584.78/0/netty-tcnative-boringssl-static-2-0-7-final-sources-
  2-jar/io/netty/internal/tcnative/SSLContext.java
* /opt/ws_local/PERMITS_SQL/1068267997_1594338584.78/0/netty-tcnative-boringssl-static-2-0-7-final-sources-
  2-jar/io/netty/internal/tcnative/Library.java
* /opt/ws_local/PERMITS_SQL/1068267997_1594338584.78/0/netty-tcnative-boringssl-static-2-0-7-final-sources-
  2-jar/io/netty/internal/tcnative/Buffer.java
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  2-jar/io/netty/internal/tcnative/SessionTicketKey.java
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1.3390 readable-stream 1.1.14

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1.3391 python-is-python2 2.7.18-9

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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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1.3404 babel-core 6.26.0

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1.3407 lang-mustache-client 6.8.16

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Found in path(s):
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* /opt/cola/permits/1134796780_1613422074.14/0/archive-259-zip/RE.java
1.3417 jruby-stdlib 9.2.7.0

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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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Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

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The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

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# frozen_string_literal: true
require 'rubygems/text'

class Gem::Licenses
extend Gem::Text

---
NONSTANDARD = 'Nonstandard'.freeze

# Software Package Data Exchange (SPDX) standard open-source software
# license identifiers
LICENSE_IDENTIFIERS = %w(
  0BSD
  AAL
  ADSL
  AFL-1.1
  AFL-1.2
  AFL-2.0
  AFL-2.1
  AFL-3.0
  AGPL-1.0
  AGPL-3.0
  AMDPLPA
  AML
  AMPAS
  ANTLR-PD
  APAFML
  APL-1.0
  APSL-1.0
  APSL-1.1
  APSL-1.2
  APSL-2.0
  Abstyles
  Adobe-2006
  Adobe-Glyph
  Afmparse
  Aladdin
  Apache-1.0
  Apache-1.1
  Apache-2.0
  Artistic-1.0
  Artistic-1.0-Perl
  Artistic-1.0-cl8
  Artistic-2.0
  BSD-2-Clause
  BSD-2-Clause-FreeBSD
  BSD-2-Clause-NetBSD
  BSD-3-Clause
  BSD-3-Clause-Attribution
  BSD-3-Clause-Clear
  BSD-3-Clause-LBNL
  BSD-3-Clause-No-Nuclear-License
  BSD-3-Clause-No-Nuclear-License-2014
  BSD-3-Clause-No-Nuclear-Warranty
CECILL-2.1
CECILL-B
CECILL-C
CNRI-Jython
CNRI-Python
CNRI-Python-GPL-Compatible
CPAL-1.0
CPL-1.0
CPOL-1.02
CUA-OPL-1.0
Caldera
CIArtistic
Condor-1.1
Crossword
CrystalStacker
Cube
D-FSL-1.0
DOC
DSDP
Dotseqn
ECL-1.0
ECL-2.0
EFL-1.0
EFL-2.0
EPL-1.0
EUDatagrid
EUPL-1.0
EUPL-1.1
Entessa
ErlPL-1.1
Eurosym
FSFAP
FSFUL
FSFULLR
FTL
Fair
Frameworx-1.0
FreeImage
GFDL-1.1
GFDL-1.2
GFDL-1.3
GL2PS
GPL-1.0
GPL-1.0+
GPL-2.0
GPL-2.0+
GPL-2.0-with-GCC-exception
GPL-2.0-with-autoconf-exception
GPL-2.0-with-bison-exception
GPL-2.0-with-classpath-exception
GPL-2.0-with-font-exception
GPL-3.0
GPL-3.0+
GPL-3.0-with-GCC-exception
GPL-3.0-with-autoconf-exception
Giftware
Glide
Glulxe
HPND
HaskellReport
IBM-pibs
ICU
IIG
IPA
IPL-1.0
ISC
ImageMagick
Imlib2
Info-ZIP
Intel
Intel-ACPI
Interbase-1.0
JSON
JasPer-2.0
LAL-1.2
LAL-1.3
LGPL-2.0
LGPL-2.0+
LGPL-2.1
LGPL-2.1+
LGPL-3.0
LGPL-3.0+
LGPLLR
LPL-1.0
LPL-1.02
LPPL-1.0
LPPL-1.1
LPPL-1.2
LPPL-1.3a
LPPL-1.3c
LaTeXe
Leptonica
LiLiQ-P-1.1
LiLiQ-R-1.1
LiLiQ-Rplus-1.1
Libpnm
MIT
MIT-CMU
MIT-advertising
MIT-enna
MIT-feh
MITNFA
MPL-1.0
MPL-1.1
MPL-2.0
MPL-2.0-no-copyleft-exception
MS-PL
MS-RL
MTLL
MakeIndex
MirOS
Motosoto
Multics
Mup
NASA-1.3
NBPL-1.0
NCSA
NGPL
N LOD-1.0
NLPL
NOSL
NPL-1.0
NPL-1.1
NPOS SL-3.0
NRL
NTP
Naumen
Net-SNMP
NetCDF
Newsletr
Nokia
Noweb
Nunit
OCCT-PL
OCLC-2.0
ODbL-1.0
OFL-1.0
OFL-1.1
OGTSL
OLDAP-1.1
OLDAP-1.2
OLDAP-1.3
OLDAP-1.4
OLDAP-2.0
OLDAP-2.0.1
OLDAP-2.1
OLDAP-2.2
OLDAP-2.2.1
OLDAP-2.2.2
OLDAP-2.3
OLDAP-2.4
OLDAP-2.5
OLDAP-2.6
OLDAP-2.7
OLDAP-2.8
OML
OPL-1.0
OSET-PL-2.1
OSL-1.0
OSL-1.1
OSL-2.0
OSL-2.1
OSL-3.0
OpenSSL
PDDL-1.0
PHP-3.0
PHP-3.01
Plexus
PostgreSQL
Python-2.0
QPL-1.0
Qhull
RHeCos-1.1
RPL-1.1
RPL-1.5
RPSL-1.0
RSA-MD
RSCPL
Rdisc
Ruby
SAX-PD
SCEA
SGI-B-1.0
SGI-B-1.1
SGI-B-2.0
SISSL
SISSL-1.2
SMLNJ
SMPPL
SNIA
SPL-1.0
SWL
Saxpath
Sendmail
SimPL-2.0
Sleepycat
Spencer-86
Spencer-94
Spencer-99
StandardML-NJ
SugarCRM-1.1.3
TCL
TCP-wrappers
TMate
TORQUE-1.1
TOSL
UPL-1.0
Unicode-DFS-2015
Unicode-DFS-2016
Unicode-TOU
Unlicense
VOSTROM
VSL-1.0
Vim
W3C
W3C-19980720
W3C-20150513
WTFPL
WXwindows
Watcom-1.0
Wsuipa
X11
XFree86-1.1
XSkat
Xerox
Xnet
YPL-1.0
YPL-1.1
ZPL-1.1
ZPL-2.0
ZPL-2.1
Zed
Zend-2.0
Zimbra-1.3
Zimbra-1.4
Zlib
bzip2-1.0.5
bzip2-1.0.6
curl
diffmark
dvipdfm
eCos-2.0
eGenix
gSOAP-1.3b
gnuplot
iMatix
libtiff
mpich2
psfrag
psutils
xinetd
xpp
zlib-acknowledgement

).freeze

# exception identifiers
EXCEPTION_IDENTIFIERS = %w(
  389-exception
  Autoconf-exception-2.0
  Autoconf-exception-3.0
  Bison-exception-2.2
  Bootloader-exception
  CLISP-exception-2.0
  Classpath-exception-2.0
  DigiRule-FOSS-exception
  FLTK-exception
  Fawkes-Runtime-exception
  Font-exception-2.0
  GCC-exception-2.0
  GCC-exception-3.1
  LZMA-exception
  Libtool-exception
  Linux-syscall-note
  Nokia-Qt-exception-1.1
  OCCT-exception-1.0
  Qwt-exception-1.0
  WxWindows-exception-3.1
  eCos-exception-2.0
  freertos-exception-2.0
  gnu-javamail-exception
  i2p-gpl-java-exception
  mif-exception
  openvpn-openssl-exception
  u-boot-exception-2.0
).freeze

REGEXP = %r{
  \A

def self.match?(license)
  !REGEXP.match(license).nil?
end

def self.suggestions(license)
  by_distance = LICENSE_IDENTIFIERS.group_by do |identifier|
    levenshtein_distance(identifier, license)
  end
  lowest = by_distance.keys.min
  return unless lowest < license.size
  by_distance[lowest]
end

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Go support for Protocol Buffers - Google's data interchange format

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Data model artifacts for Prometheus.

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The `/sys/license` endpoint is used to view and update the license used in Vault.

### Read License

This endpoint returns information about the currently installed license.

<table>
<thead>
<tr>
<th>Method</th>
<th>Path</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>GET</code></td>
<td><code>/sys/license</code></td>
</tr>
</tbody>
</table>

#### Sample Request

```bash
$ curl
   --header "X-Vault-Token: ..."
   http://127.0.0.1:8200/v1/sys/license
```

#### Sample Response

```json
{
   "data": {
      "expiration_time": "2017-11-14T16:34:36.546753-05:00",
      "features": [
       "UI",
       "HSM"
      ]
   }
}
```
```

## Install License

This endpoint is used to install a license into Vault.

<table>
<thead>
<tr>
<th align="left">Method</th>
<th align="left">Path</th>
</tr>
</thead>
<tbody>
<tr>
<td align="left"><code>PUT</code></td>
<td align="left"><code>/sys/license</code></td>
</tr>
</tbody>
</table>

### Parameters

- `text` *(string: <required>)* The text of the license.

*DR Secondary Specific Parameters*

- `dr_operation_token` *(string: <required>)* - DR operation token used to authorize this request.

### Sample Payload

```json
{
  "text": "01ABCDEFG...
}
```

### Sample Request

```bash
$ curl \
   --header "X-Vault-Token: ..." \
   --request PUT \
   --data @payload.json \
   http://127.0.0.1:8200/v1/sys/license
```

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mgo - MongoDB driver for Go

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BSON library for Go

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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

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) (licenses *[License, *Response, error) {
    req, err := s.client.NewRequest("GET", "licenses", nil)
    if err != nil {
        return nil, err
    }
    resp, err := s.client.Do(ctx, req, &licenses)
    if err != nil {
        return nil, resp, err
    }

    return licenses, resp, nil
func (s *LicensesService) Get(ctx context.Context, licenseName string) (*License, *Response, error) {
    u := fmt.Sprintf("licenses/%s", licenseName)

    req, err := s.client.NewRequest("GET", u, nil)
    if err != nil {
        return nil, nil, err
    }

    license := new(License)
    resp, err := s.client.Do(ctx, req, license)
    if err != nil {
        return nil, resp, err
    }

    return license, resp, nil
}

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// Features is a bitmask of feature flags
type Features uint

const FeatureNone Features = 0

func (f Features) HasFeature(flag Features) bool {
    return false
}

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1.3429 libgpg-error 1.36-r2

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We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiably sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.
Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6. Any
executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the
Library is used in it and that the Library and its use are covered by
this License. You must supply a copy of this License. If the work
during execution displays copyright notices, you must include the
copyright notice for the Library among them, as well as a reference
directing the user to the copy of this License. Also, you must do one
of these things:

a) Accompany the work with the complete corresponding
machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the
Library. A suitable mechanism is one that (1) uses at run time a
copy of the library already present on the user's computer system,
rather than copying library functions into the executable, and (2)
will operate properly with a modified version of the library, if
the user installs one, as long as the modified version is
interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at
least three years, to give the same user the materials
specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
specified materials from the same place.
e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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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To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

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The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

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c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

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a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.
A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

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1.3437 robust-scale 1.0.2

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1.3439 schema-utils 1.0.0

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1.3440 osenv 0.1.4
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1.3442 jetty-servlet 9.4.35.v20201120

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* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

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* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications
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http://openjdk.java.net/legal/gplv2+ce.html

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay
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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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 */

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**include/GL/gl.h**

Mesa 3-D graphics library

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**include/GL/glxext.h**

**include/GL/wglext.h**
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1.3459 zlib 1.2.5

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    version 1.2.11, January 15th, 2017

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1.3460 tiny-relative-date 1.3.0

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1.3463 lodash-orderby 4.6.0

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1.3464 kubernetes v1.20.8

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= vendor/github.com/docker/spdystream/LICENSE 246dc1c1661293602d98ff9113c3be48
package types
import "time"

// FeatureType store features types
type FeatureType string

const (
// HA means High Availability
HA = FeatureType("HA")
// DEV means developer licence
DEV = FeatureType("DEV")
// TRIAL means trial licence
TRIAL = FeatureType("TRIAL")

// Licence holds the information to be encoded in the licence key. It needs to be synced across
// the django server running on portal-API as well as the corresponding decoding package on the
// storageOS control plane

type Licence struct {
    ArrayUUID    string               `json:"arrayUUID,omitempty"
    ClusterID    string               `json:"clusterID,omitempty"
    CustomerID   string               `json:"customerID"
    CustomerName string               `json:"customerName"
    Storage      int                  `json:"storage"
    ValidUntil   time.Time            `json:"validUntil"
    LicenceType  string               `json:"licenceType"
    Features     map[FeatureType]bool `json:"features"
    Unregistered bool                 `json:"unregistered"
}

// LicenceKeyContainer - stores a licence key
type LicenceKeyContainer struct {
    Key string `json:"key"
}

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package 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 ", n.Plugin)
    } else {
        s += fmt.Sprintf("Option ", n.Option, n.Plugin)
    }
    if n.Severity == unsupported {
        s += "is unsupported by this migration tool in "."
    }
    return s
}
} 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 " + n.ReplacedBy)
} if n.Additional != "" {
    s += " " + n.Additional
}
return s
}

const (  
    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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# 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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import (  "encoding/json"  "github.com/storageos/go-api/types"
const (  
// licenceAPIPrefix is a partial path to the HTTP endpoint.  
licenceAPIPrefix = "licencing"  
)  
// Licence returns the current licence on the server.  
func (c *Client) Licence() (*types.Licence, error) {  
resp, err := c.do("GET", licenceAPIPrefix, doOptions{})  
if err != nil {  
return nil, err  
}  
derive resp.Body.Close()  
licence := &types.Licence{}  
if err := json.NewDecoder(resp.Body).Decode(&licence); err != nil {  
return nil, err  
}  
return licence, nil  
}  
// LicenceApply applies a licence on the server.  
func (c *Client) LicenceApply(licenceKey string) error {  
_, err := c.do("POST", licenceAPIPrefix, doOptions{  
data: &types.LicenceKeyContainer{Key: licenceKey},  
})  
return err  
}  
// LicenceDelete removes the current licence.  
func (c *Client) LicenceDelete() error {  
resp, err := c.do("DELETE", licenceAPIPrefix, doOptions{})  
if err != nil {  
return err  
}  
return resp.Body.Close()  
}  
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Feb, 2010

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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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tomb - support for clean goroutine termination in Go.

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The original unzip source code has been extensively modified and almost entirely rewritten (changes include random zipfile access rather than sequential; replacement of unimplode() with explode(); replacement of old unshrink() with new (unrelated) unshrink(); re-
placement of output routines; addition of inflate(), wildcards, filename-mapping, text translation, ...; etc.). As far as we can tell, only the core code of the unreduce method remained substantially similar to Mr. Smith's original source. As of UnZip 5.42, the complete core code is now covered by the Info-ZIP Licence. Therefore, support for the reduce method has been removed. The drop of the reduce method should only affect some test archives, reducing was never used in any publically distributed Zip program. For pathologic cases where support for reduced archive entries is needed, the unreduce code copyrighted by Samuel H. Smith is available as a separate distribution (the restricted copyright of this code is cited below in the "historical" section).

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  *
  * A collection of File Manager and related routines
  *
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MacBinaryIII.h

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Basic encoding and decoding of Macintosh files to the
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May 1994, (213) 851-9969 (voice), (213) 887-2127(?) (subscription BBS),
71150.2731@compuserve.com]:

"He says that he thought that whoever contacted him understood that
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His primary concern is that it remain freely distributable, he said."

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1.3471 esprima 4.0.0
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1.3473 focus-trap 2.4.5

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1.3474 jackson-annotations 2.8.0

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1.3475 builtins 1.0.3-2

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1.3476 jackson-dataformat-csv 2.10.5

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Manifest-Version: 1.0
Bnd-LastModified: 1595302282882
Build-Jdk: 1.8.0_162
Built-By: tatu
Bundle-Description: Support for reading and writing CSV-encoded data via Jackson abstractions.
Bundle-DocURL: https://github.com/FasterXML/jackson-dataformats-text
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt
Bundle-ManifestVersion: 2
Bundle-Name: Jackson-dataformat-CSV
Bundle-SymbolicName: com.fasterxml.jackson.dataformat.jackson-dataformat-csv
Bundle-Vendor: FasterXML
Bundle-Version: 2.10.5
Created-By: Apache Maven Bundle Plugin
Export-Package: com.fasterxml.jackson.dataformat.csv;version="2.10.5";
         uses="com.fasterxml.jackson.core,com.fasterxml.jackson.core.base,com
Implementation-Build-Date: 2020-07-21 03:31:04+0000
Implementation-Title: Jackson-dataformat-CSV
Implementation-Vendor: FasterXML
Implementation-Vendor-Id: com.fasterxml.jackson.dataformat
Implementation-Version: 2.10.5
Import-Package: com.fasterxml.jackson.core;version="[2.10,3)",com.fasterxml.jackson.core;version="[2.10,3)",com.fasterxml.jackson.core.format;version="[2.10,3)",com.fasterxml.jackson.core.io;version="[2.10,3)",com.fasterxml.jackson.core.json;version="[2.10,3)",com.fasterxml.jackson.core.type;version="[2.10,3)",com.fasterxml.jackson.core.util;version="[2.10,3)",com.fasterxml.jackson.databind;version="[2.10,3)",com.fasterxml.jackson.databind.cfg;version="[2.10,3)",com.fasterxml.jackson.databind.introspect;version="[2.10,3)",com.fasterxml.jackson.databind.introspect.jsen
1.3477 go-dockerclient 1.4.0

1.3477.1 Available under license:

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1.3478 net-rpc-msgpackrpc v0.0.0-20151116020338-a14192a58a69

1.3478.1 Available under license :

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1.3479 kerberos 1.18.3-6

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cmd/krb5/iprop/iprop.x
```
```
cmd/krb5/iprop/iprop_hdr.h
```
```
cmd/krb5/kadmin/server/ipropd_svc.c
```
```
cmd/krb5/kproplog/kproplog.c
```
```
cmd/krb5/slave/kpropd_rpc.c
```
```
lib/gss_mechs/mech_krb5/et/kdb5_err.c
```
```
lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h
```
```
lib/gss_mechs/mech_spnego/mech/spnego_mech.c
```
```
lib/krb5/kadm5/kadm_host_srv_names.c
```
```
lib/krb5/kdb/kdb_convert.c
```
```
lib/krb5/kdb/kdb_hdr.h
```
```
lib/krb5/kdb/kdb_log.c
```
```
lib/krb5/kdb/kdb_log.h
```
```
lib/libgss/g_accept_sec_context.c
```
```
lib/libgss/g_acquire_cred.c
```
```
lib/libgss/g_canon_name.c
```
```
lib/libgss/g_compare_name.c
```
```
lib/libgss/g_context_time.c
```
```
lib/libgss/g_delete_sec_context.c
```
```
lib/libgss/g_dsp_name.c
```
```
lib/libgss/g_dsp_status.c
```
```
lib/libgss/g_dup_name.c
```
```
lib/libgss/g_exp_sec_context.c
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```
lib/libgss/g_export_name.c
```
```
lib/libgss/g_glue.c
```
```
lib/libgss/g_imp_name.c
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lib/libgss/g_imp_sec_context.c
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lib/libgss/g_init_sec_context.c
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lib/libgss/g_initialize.c
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lib/libgss/g_inquire_context.c
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lib/libgss/g_inquire_cred.c
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lib/libgss/g_inquire_names.c
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lib/libgss/g_process_context.c
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lib/libgss/g_rel_buffer.c
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lib/libgss/g_rel_cred.c
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lib/libgss/g_rel_name.c
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lib/libgss/g_rel_oid_set.c
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```
lib/libgss/g_seal.c
```
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lib/libgss/g_sign.c
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```
lib/libgss/g_store_cred.c
```
```
lib/libgss/g_unseal.c
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lib/libgss/g_userok.c
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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in "src/lib/gssapi", including the following files:

lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
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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Eclipse

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish
Oracle

The following artifacts are CDDL + GPLv2 with classpath exception. https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions. http://openjdk.java.net/legal/gplv2+ce.html

OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl
MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.3491 icss-replace-symbols 1.1.0

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1.3492 through 1.0.1

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1.3493 rimraf 2.6.2

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1.3494 nmrshll-go-cp v0.0.0-20180115193924-61436d3b7cfa
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1.3495 jersey-media-jaxb 2.27

1.3496 parse-asn1 5.1.0
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1.3497 glibc 2.17-324.el7_9

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@page
@subheading How to Apply These Terms to Your New Libraries

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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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dns.c - Recursive, Reentrant DNS Resolver.

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1.3500 simplicial-complex 1.0.0

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* java.sun.security.ssl

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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org.apache.taglibs:taglibs-standard-spec
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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
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org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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org.eclipse.jetty.toolchain:jetty-schemas

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include/GL/g1.h :

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include/GL/glxext.h
include/GL/wglxext.h :

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1.3506 bean-validation-api 1.1.0

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1.3508 apollo-server-errors 2.0.2

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1.3509 oauth-sign 0.9.0

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1.3520 react-is 16.13.1

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1.3521 babel-preset-flow 6.23.0

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1.3522 yargs 1.2.6

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1.3524 nss 3.48-r0

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1.3541 node-wcwidth 1.0.0-1.1

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1.3542 musl 1.1.19-r11

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1.3548 protocol-buffers-schema 3.3.2

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*uganda.txt*    For Vim version 7.4.  Last change: 2013 Jul 06

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http://iccf-holland.org/
You can also sponsor the development of Vim. Vim sponsors can vote for features. See [sponsor]. The money goes to Uganda anyway.

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Note:

- If you are happy with Vim, please express that by reading the rest of this file and consider helping needy children in Uganda.
- If you want to support further Vim development consider becoming a [sponsor]. The money goes to Uganda anyway.

- According to Richard Stallman the Vim license is GNU GPL compatible. A few minor changes have been made since he checked it, but that should not make a difference.

- If you link Vim with a library that goes under the GNU GPL, this limits further distribution to the GNU GPL. Also when you didn't actually change anything in Vim.

- Once a change is included that goes under the GNU GPL, this forces all further changes to also be made under the GNU GPL or a compatible license.

- If you distribute a modified version of Vim, you can include your name and contact information with the "--with-modified-by" configure argument or the MODIFIED_BY define.

Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that 10 to 30% of the Ugandans are infected with HIV. Because parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. And this is still continuing.

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them how to grow healthy food.

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a
A sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given. Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production site for cement slabs. These are used to build a good latrine. They are sold below cost price.

There is a small clinic at the project, which provides children and their family with medical help. When needed, transport to a hospital is offered. Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).

*donate*

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps. When I came back to Holland, I wanted to continue supporting KCC. To do this I'm raising funds and organizing the sponsorship program. Please consider one of these possibilities:

1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic: Any amount a month or quarter
4. A one-time donation

Compared with other organizations that do child sponsorship the amounts are very low. This is because the money goes directly to the centre. Less than 5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Further more, the centre has been co-sponsored and inspected by World Vision, Save the Children Fund and is now under the supervision of Pacific Academy Outreach Society. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself many times, starting in 1993. The visit reports are on the ICCF web site.

If you have any further questions, send me e-mail: <Bram@vim.org>.

The address of the centre is:
Kibaale Children's Centre  
p.o. box 1658  
Masaka, Uganda, East Africa  

Sending money: *iccf-donations*  

Check the ICCF web site for the latest information! See [iccf] for the URL.  

USA: The methods mentioned below can be used.  
Sending a check to the Nehemiah Group Outreach Society (NGOS)  
is no longer possible, unfortunately. We are looking for  
another way to get you an IRS tax receipt.  
For sponsoring a child contact KCF in Canada (see below). US  
checks can be sent to them to lower banking costs.  

Canada: Contact Kibaale Children's Fund (KCF) in Surrey, Canada. They  
take care of the Canadian sponsors for the children in  
Kibaale.  KCF forwards 100% of the money to the project in  
Uganda. You can send them a one time donation directly.  
Please send me a note so that I know what has been donated  
because of Vim. Ask KCF for information about sponsorship.  
Kibaale Children's Fund c/o Pacific Academy  
10238-168 Street  
Surrey, B.C. V4N 1Z4  
Canada  
Phone: 604-581-5353  
If you make a donation to Kibaale Children's Fund (KCF) you  
will receive a tax receipt which can be submitted with your  
tax return.  

Holland: Transfer to the account of "Stichting ICCF Holland" in Lisse.  
This will allow for tax deduction if you live in Holland.  
Postbank, nr. 4548774  
IBAN: NL95 INGB 0004 5487 74  

Germany: It is possible to make donations that allow for a tax return.  
Check the ICCF web site for the latest information:  
http://iccf-holland.org/germany.html  

World: Use a postal money order. That should be possible from any  
country, mostly from the post office. Use this name (which is  
in my passport): "Abraham Moolenaar". Use Euro for the  
currency if possible.  

Europe: Use a bank transfer if possible. Your bank should have a form  
that you can use for this. See "Others" below for the swift  
code and IBAN number.
Any other method should work. Ask for information about sponsorship.

Credit Card: You can use PayPal to send money with a Credit card. This is the most widely used Internet based payment system. It's really simple to use. Use this link to find more info:


The e-mail address for sending the money to is:

   Bram@iccf-holland.org

For amounts above 400 Euro ($500) sending a check is preferred.

Others: Transfer to one of these accounts if possible:

   Postbank, account 4548774
   Swift code: INGB NL 2A
   IBAN: NL95 INGB 0004 5487 74
   under the name "stichting ICCF Holland", Lisse
   If that doesn't work:
   Rabobank Lisse, account 3765.05.117
   Swift code: RABO NL 2U
   under the name "Bram Moolenaar", Lisse

Otherwise, send a check in euro or US dollars to the address below. Minimal amount: $70 (my bank does not accept smaller amounts for foreign check, sorry)

Address to send checks to:

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   Finsterruetihof 1
   8134 Adliswil
   Switzerland

This address is expected to be valid for a long time.

vim:tw=78:ts=8:ft=help:norl:
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## xwd v1.0.7  

### xwd utility
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include/GL/glxext.h
include/GL/wglxext.h :

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## ASM Bytecode Manipulation Framework v6.0

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1.3568 jaxb-core 2.3.0

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1.3569 node-delayed-stream 1.0.0-4

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1.3570 pcre 10.36-2

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1.3575 chronic_duration 0.10.6

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* /opt/cola/permits/1001070965_1610650186.2/0/spring-expression-5-1-6-release-sources-1-jar/org/springframework/expression/spel/standard/TokenKind.java
* /opt/cola/permits/1001070965_1610650186.2/0/spring-expression-5-1-6-release-sources-1-jar/org/springframework/expression/ConstructorResolver.java
* /opt/cola/permits/1001070965_1610650186.2/0/spring-expression-5-1-6-release-sources-1-jar/org/springframework/expression/MethodFilter.java
* /opt/cola/permits/1001070965_1610650186.2/0/spring-expression-5-1-6-release-sources-1-jar/org/springframework/expression/TypeLocator.java
* /opt/cola/permits/1001070965_1610650186.2/0/spring-expression-5-1-6-release-sources-1-jar/org/springframework/expression/EvaluationException.java

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* /opt/cola/permits/1001070965_1610650186.2/0/spring-expression-5-1-6-release-sources-1.jar/org/springframework/expression/spel/ast/OpMinus.java
* /opt/cola/permits/1001070965_1610650186.2/0/spring-expression-5-1-6-release-sources-1.jar/org/springframework/expression/ParseException.java
* /opt/cola/permits/1001070965_1610650186.2/0/spring-expression-5-1-6-release-sources-1.jar/org/springframework/expression/AccessException.java
* /opt/cola/permits/1001070965_1610650186.2/0/spring-expression-5-1-6-release-sources-1.jar/org/springframework/expression/spel/ast/OpDec.java
* /opt/cola/permits/1001070965_1610650186.2/0/spring-expression-5-1-6-release-sources-1.jar/org/springframework/expression/spel/support/StandardTypeLocator.java
* /opt/cola/permits/1001070965_1610650186.2/0/spring-expression-5-1-6-release-sources-1.jar/org/springframework/expression/common/ExpressionUtils.java
* /opt/cola/permits/1001070965_1610650186.2/0/spring-expression-5-1-6-release-sources-1.jar/org/springframework/expression/spel/support/StandardTypeComparator.java
* /opt/cola/permits/1001070965_1610650186.2/0/spring-expression-5-1-6-release-sources-1.jar/org/springframework/expression/ParserContext.java
* /opt/cola/permits/1001070965_1610650186.2/0/spring-expression-5-1-6-release-sources-1.jar/org/springframework/expression/spel/support/Projection.java
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* /opt/cola/permits/1001070965_1610650186.2/0/spring-expression-5-1-6-release-sources-1.jar/org/springframework/expression/spel/CompiledExpression.java
* /opt/cola/permits/1001070965_1610650186.2/0/spring-expression-5-1-6-release-sources-1.jar/org/springframework/expression/spel/PropertyAccessor.java
* /opt/cola/permits/1001070965_1610650186.2/0/spring-expression-5-1-6-release-sources-1.jar/org/springframework/expression/spel/support/ReflectiveConstructorResolver.java
* /opt/cola/permits/1001070965_1610650186.2/0/spring-expression-5-1-6-release-sources-1.jar/org/springframework/expression/spel/TypeComparator.java
1.3582 logstash-output-sns 4.0.7

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The following is a list of people who have contributed ideas, code, bug reports, or in general have helped logstash along its way.

Contributors:
* Brad Fritz (bfritz)
* Colin Surprenant (colinsurprenant)
* James Turnbull (jamtur01)
* John E. Vincent (lulus)
* Jordan Sissel (jordansissel)
* Nick Padilla (NickPadilla)
* Pier-Hugues Pellerin (ph)
* Richard Pijnenburg (electrical)

Note: If you've sent us patches, bug reports, or otherwise contributed to Logstash, and you aren't on the list above and want to be, please let us know and we'll make sure you're here. Contributions from folks like you are what make open source awesome.

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1.3583 geoipbin 1.6.12-1

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## Commands to generate dependency files

```
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)
```

## Flags for position independent code

```
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -DPIC
```

## Additional flags when building libraries and with threads

```
THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =
```

## Compiler switch to embed a runtime search path

```
LD_RPATH=
LD_RPATH_PRE=-Wl,-rpath,
```

## Compiler switch to embed a library name

```
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))
```

## Shared library options

```
LD_SOOPTIONS= -Wl,-Bsymbolic
```

## Shared object suffix

```
SO = so
```

## Non-shared intermediate object suffix

```
STATIC_O = ao
```

## Compilation rules

```
%.$(STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<
%.$(STATIC_O): $(srcdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<
```

## Dependency rules

```
%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec "$\"$\$(GEN_DEPS.c) $< \| sed \"\"s/(\$*\).o\/:\^[&o]}\*$\]/g\" > $@;\"
[ -s $@ ]|| rm -f $@"
%.d: $(srcdir)/%.cpp
```

---

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@echo "generating dependency information for $<"
@$ (SHELL) -ec "$(GEN_DEPS.cc) $< \n| sed "s@($*)/\.o@:"*A1.o $@ : /g\" > $@; \n[ -s $@ ] || rm -f $@"

## Versioned libraries rules

%.$@,$(SO).$(SO_TARGET_VERSION_MAJOR): %.$@,$(SO).$(SO_TARGET_VERSION)
$(RM) $@ && ln -s ${<F} $@
%.$@,$(SO): %.$@,$(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 =

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* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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1.3596 msgp v1.1.2

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<a><h2>Uses of Class org.apache.cassandra.auth.Permission</h2></a>

<table class="useSummary" border="0" cellpadding="3" cellspacing="0" summary="Use table, listing packages, and an explanation"
<caption>Packages that use <a href="/org/apache/cassandra/auth/Permission.html" title="enum in org.apache.cassandra.auth">Permission</a></caption>
<tr class="altColor">
<td class="colFirst"><a href="#org.apache.cassandra.auth">org.apache.cassandra.auth</a></td>
<td class="colLast">&nbsp;</td>
</tr>
<tr class="rowColor">
<td class="colFirst"><a href="#org.apache.cassandra.cql3.statements">org.apache.cassandra.cql3.statements</a></td>
<td class="colLast">&nbsp;</td>
</tr>
<tr class="altColor">
<td class="colFirst"><a href="#org.apache.cassandra.service">org.apache.cassandra.service</a></td>
<td class="colLast">&nbsp;</td>
</tr>
</tbody>
</table>

<a><h3>Uses of <a href="/org/apache/cassandra/auth/Permission.html" title="enum in org.apache.cassandra.auth">Permission</a> in <a href="/org/apache/cassandra/auth/package-summary.html">org.apache.cassandra.auth</a></h3></a>
<table class="useSummary" border="0" cellpadding="3" cellspacing="0" summary="Use table, listing fields, and an explanation"
<caption>Fields in <a href="/org/apache/cassandra/auth/package-summary.html">org.apache.cassandra.auth</a> declared as <a href="/org/apache/cassandra/auth/Permission.html" title="enum in org.apache.cassandra.auth">Permission</a></caption>
</table>
<table>
<thead>
<tr>
<th>Modifier and Type</th>
<th>Field and Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>static java.util.Set</td>
<td>Permission. ALL</td>
</tr>
<tr>
<td>static java.util.Set</td>
<td>Permission. NONE</td>
</tr>
<tr>
<td>Permission. ALL</td>
<td>Permission.</td>
</tr>
<tr>
<td>Permission. NONE</td>
<td>Permission.</td>
</tr>
</tbody>
</table>

Fields in `org.apache.cassandra.auth` with type parameters of type `Permission`:

<table>
<thead>
<tr>
<th>Modifier and Type</th>
<th>Field and Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>static java.util.Set</td>
<td>Permission. ALL</td>
</tr>
<tr>
<td>static java.util.Set</td>
<td>Permission. NONE</td>
</tr>
</tbody>
</table>

Methods in `org.apache.cassandra.auth` that return `Permission`:

<table>
<thead>
<tr>
<th>Modifier and Type</th>
<th>Field and Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>static java.util.Set</td>
<td>Permission. ALL</td>
</tr>
<tr>
<td>static java.util.Set</td>
<td>Permission. NONE</td>
</tr>
</tbody>
</table>

Use table, listing fields, and an explanation:

Use table, listing methods, and an explanation:
<table>
<thead>
<tr>
<th>Modifier and Type</th>
<th>Method and Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>static Permission</td>
<td><code>valueOf(java.lang.String)</code>&lt;br&gt;Returns the enum constant of this type with the specified name.</td>
</tr>
<tr>
<td>static Permission[]</td>
<td><code>values()</code>&lt;br&gt;Returns an array containing the constants of this enum type, in the order they are declared.</td>
</tr>
<tr>
<td><code>java.util.Set&lt;Permission&gt;</code></td>
<td><code>applicablePermissions()</code>&lt;br&gt;Returns the set of permissions applicable to this resource.</td>
</tr>
<tr>
<td><code>java.util.Set&lt;Permission&gt;</code></td>
<td><code>applicablePermissions()</code>&lt;br&gt;Returns the set of permissions applicable to this resource.</td>
</tr>
</tbody>
</table>

**Methods in `org.apache.cassandra.auth` that return types with arguments of type `Permission`**

<table>
<thead>
<tr>
<th>Modifier and Type</th>
<th>Method and Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>static Permission</td>
<td><code>valueOf(java.lang.String)</code>&lt;br&gt;Returns the enum constant of this type with the specified name.</td>
</tr>
<tr>
<td>static Permission[]</td>
<td><code>values()</code>&lt;br&gt;Returns an array containing the constants of this enum type, in the order they are declared.</td>
</tr>
<tr>
<td><code>java.util.Set&lt;Permission&gt;</code></td>
<td><code>applicablePermissions()</code>&lt;br&gt;Returns the set of permissions applicable to this resource.</td>
</tr>
<tr>
<td><code>java.util.Set&lt;Permission&gt;</code></td>
<td><code>applicablePermissions()</code>&lt;br&gt;Returns the set of permissions applicable to this resource.</td>
</tr>
</tbody>
</table>
Certain permissions are not applicable to particular types of resources.

Returns the set of Permissions that may be applied to this resource.
<table>
<thead>
<tr>
<th>Method parameters in <code>org.apache.cassandra.auth</code> with type arguments of type <code>Permission</code></th>
</tr>
</thead>
<tbody>
<tr>
<td><code>Authorize&lt;org.apache.cassandra.auth.AuthenticatedUser-org.apache.cassandra.auth.IResource-&quot;authorize&quot;(AuthenticatedUser user, IResource resource)&gt;</code></td>
</tr>
<tr>
<td><code>Returns a set of permissions of a user on a resource.</code></td>
</tr>
<tr>
<td><code>PermissionsCache&lt;org.apache.cassandra.auth.AuthenticatedUser-org.apache.cassandra.auth.IResource-&quot;getPermissions&quot;(AuthenticatedUser user, IResource resource)&gt;</code></td>
</tr>
<tr>
<td><code>AuthenticatedUser&lt;org.apache.cassandra.auth.IResource-&quot;getPermissions&quot;(IResource resource)&gt;</code></td>
</tr>
<tr>
<td>Modifier and Type</td>
</tr>
<tr>
<td>------------------</td>
</tr>
<tr>
<td>void</td>
</tr>
<tr>
<td>void</td>
</tr>
<tr>
<td>void</td>
</tr>
</tbody>
</table>
Grants a set of permissions on a resource to a role.
<div class="block">Revokes a set of permissions on a resource from a user.</div>
</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Constructor and Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>PermissionDetails</code>(grantee, resource, permission)</td>
</tr>
</tbody>
</table>

### Uses of Permission in org.apache.cassandra.cql3.statements

#### Fields

```
org.apache.cassandra.cql3.statements.Permission
```

### Uses of Permission in org.apache.cassandra.auth

#### Constructors

```
org.apache.cassandra.auth.RoleResource</a>&nbsp;revokee)</code>
```

Revokes a set of permissions on a resource from a user.
<table>
<thead>
<tr>
<th>Modifier and Type</th>
<th>Method and Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>protected java.util.Set</code></td>
<td><code>members()</code></td>
</tr>
<tr>
<td><code>public</code></td>
<td><code>addMember(String)</code></td>
</tr>
<tr>
<td><code>public void</code></td>
<td><code>removeMember(String)</code></td>
</tr>
<tr>
<td><code>public</code></td>
<td><code>clearMembers()</code></td>
</tr>
</tbody>
</table>

**Methods in `org.apache.cassandra.cql3.statements` with parameters of type `Permission`**


**Constructor parameters in `org.apache.cassandra.cql3.statements` with type arguments of type `Permission`**

<table>
<thead>
<tr>
<th>Constructor and Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>GrantPermissionsStatement(java.util.Set&lt;Permission&gt;, IResource, RoleName)</code>: Grants permissions to a resource for a role.</td>
</tr>
<tr>
<td><code>ListPermissionsStatement(java.util.Set&lt;Permission&gt;, IResource, RoleName, boolean)</code>: Lists permissions for a resource and role.</td>
</tr>
<tr>
<td><code>PermissionsManagementStatement(java.util.Set&lt;Permission&gt;, IResource, RoleName)</code>: Manages permissions for a resource and role.</td>
</tr>
<tr>
<td><code>RevokePermissionsStatement(java.util.Set&lt;Permission&gt;, IResource, RoleName)</code>: Reverts permissions to a resource and role.</td>
</tr>
</tbody>
</table>
org.apache.cassandra.auth">Permission</a>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbs...
<table>
<thead>
<tr>
<th>Member Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>hasAllKeyspacesAccess</code></td>
<td><code>void</code></td>
<td>Method to check if the client has access to all keyspaces.</td>
</tr>
<tr>
<td><code>hasColumnFamilyAccess</code></td>
<td><code>void</code></td>
<td>Method to check if the client has access to a specific column family.</td>
</tr>
<tr>
<td><code>hasKeyspaceAccess</code></td>
<td><code>void</code></td>
<td>Method to check if the client has access to a specific keyspace.</td>
</tr>
</tbody>
</table>
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Sun, 26 Jul 2009 15:12:10 +0000

Upstream Author: Cassandra Developers <cassandra-dev@incubator.apache.org>

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</html lang="en">
<head>
<!-- Generated by javadoc (1.8.0_171) on Tue Jul 24 22:50:51 PDT 2018 -->
<title>Permission (apache-cassandra API)</title>
<meta name="date" content="2018-07-24">
<link rel="stylesheet" type="text/css" href="../stylesheets.css" title="Style">
<script type="text/javascript" src="../scripts.js"></script>
</head>
<body>
<script type="text/javascript">try {
    if (location.href.indexOf('is-external=true') == -1) {
        parent.document.title="Permission (apache-cassandra API)";
    }
}
catch(err) {
...
An enum encapsulating the set of possible permissions that an authenticated user can have on a resource.

IAuthenticator implementations may encode permissions using ordinals, so the Enum order must never change order. Adding new values is ok.

Enum Constant Summary

<table>
<thead>
<tr>
<th>Enum Constant</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALTER</td>
<td></td>
</tr>
<tr>
<td>AUTHORIZE</td>
<td></td>
</tr>
<tr>
<td>CREATE</td>
<td></td>
</tr>
</tbody>
</table>
<tr class="rowColor">
<td class="colOne"><code><span class="memberNameLink"><a href="../../../../org/apache/cassandra/auth/Permission.html#DESCRIBE">DESCRIBE</a></span></code>&nbsp;</td>
</tr>
<tr class="altColor">
<td class="colOne"><code><span class="memberNameLink"><a href="../../../../org/apache/cassandra/auth/Permission.html#DROP">DROP</a></span></code>&nbsp;</td>
</tr>
<tr class="rowColor">
<td class="colOne"><code><span class="memberNameLink"><a href="../../../../org/apache/cassandra/auth/Permission.html#EXECUTE">EXECUTE</a></span></code>&nbsp;</td>
</tr>
<tr class="altColor">
<td class="colOne"><code><span class="memberNameLink"><a href="../../../../org/apache/cassandra/auth/Permission.html#MODIFY">MODIFY</a></span></code>&nbsp;</td>
</tr>
<tr class="rowColor">
<td class="colOne"><code><span class="memberNameLink"><a href="../../../../org/apache/cassandra/auth/Permission.html#READ">READ</a></span></code>&nbsp;</td>
</tr>
<tr class="altColor">
<td class="colOne"><code><span class="memberNameLink"><a href="../../../../org/apache/cassandra/auth/Permission.html#WRITE">WRITE</a></span></code>&nbsp;</td>
</tr>
</table>
</ul>
<!-- =========== FIELD SUMMARY =========== -->
<ul class="blockList">
<li class="blockList">
<h3>Field Summary</h3>
<table class="memberSummary" border="0" cellpadding="3" cellspacing="0" summary="Field Summary table, listing fields, and an explanation">
<caption><span>Fields</span><span class="tabEnd"> </span></caption>
<tr>
</tr>
</table>
</li>
</ul>
<table>
<thead>
<tr>
<th>Modifier and Type</th>
<th>Field and Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>static java.util.Set&lt;Permission&gt;</td>
<td>ALL</td>
</tr>
<tr>
<td>static java.util.Set&lt;Permission&gt;</td>
<td>NONE</td>
</tr>
</tbody>
</table>

```java
public static Permission valueOf(String name)
```

Returns the enum constant of this type with the specified name.

```java
public static Permission[] values()
```

Returns an array of the enum constants of this type, in the order they are declared.

```java
public static Permission[] values(String name)
```

Returns an array containing the enum constants of this type whose names are equal to the specified name.

---

<h3>Method Summary</h3>

<table>
<thead>
<tr>
<th>Modifier and Type</th>
<th>Method and Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>static</td>
<td>Permission.valueOf(String name)</td>
</tr>
<tr>
<td>static</td>
<td>Permission[] values()</td>
</tr>
<tr>
<td>static</td>
<td>Permission[] values(String name)</td>
</tr>
</tbody>
</table>
<div class="details">
<ul class="blockList">
<li class="blockList">
<!-- ============ ENUM CONSTANT DETAIL =========== -->
<ul class="blockList">
<li class="blockList">
<a name="enum.constant.detail">
<!--   -->
</a>
<h3>Enum Constant Detail</h3>
<ul class="blockList">
<li class="blockList">
<h4>READ</h4>
<pre>@Deprecated
public static final&nbsp;<a href="../../../../org/apache/cassandra/auth/Permission.html" title="enum in org.apache.cassandra.auth">Permission</a> READ</pre>
<div class="block"><span class="deprecatedLabel">Deprecated.</span>&nbsp;</div>
</li>
</ul>
</li>
</ul>
</li>
</ul>
</div>
<div>
<ul class="blockList">
<li class="blockList">
<h3>Methods inherited from class java.lang.Enum</h3>
<code>clone, compareTo, equals, finalize, getDeclaringClass, hashCode, name, ordinal, toString, 
valueOf</code></li>
</ul>
<ul class="blockList">
<li class="blockList">
<h3>Methods inherited from class java.lang.Object</h3>
<code>getClass, notify, notifyAll, wait, wait, wait</code></li>
</ul>
</li>
</ul>
</div>
@Deprecated
public static final Permission WRITE;

@Deprecated
public static final Permission CREATE;

@Deprecated
public static final Permission ALTER;

@Deprecated
public static final Permission DROP;

@Deprecated
public static final Permission SELECT;
org.apache.cassandra.auth">Permission</a> SELECT</pre>
</li>
</ul>
<a name="MODIFY">

<!--   -->
</a>
<ul class="blockList">
<li class="blockList">
<h4>MODIFY</h4>
<pre>public static final&nbsp;<a href="../../../../org/apache/cassandra/auth/Permission.html" title="enum in org.apache.cassandra.auth">Permission</a> MODIFY</pre>
</li>
</ul>
<a name="AUTHORIZE">

<!--   -->
</a>
<ul class="blockList">
<li class="blockList">
<h4>AUTHORIZE</h4>
<pre>public static final&nbsp;<a href="../../../../org/apache/cassandra/auth/Permission.html" title="enum in org.apache.cassandra.auth">Permission</a> AUTHORIZE</pre>
</li>
</ul>
<a name="DESCRIBE">

<!--   -->
</a>
<ul class="blockList">
<li class="blockList">
<h4>DESCRIBE</h4>
<pre>public static final&nbsp;<a href="../../../../org/apache/cassandra/auth/Permission.html" title="enum in org.apache.cassandra.auth">Permission</a> DESCRIBE</pre>
</li>
</ul>
<a name="EXECUTE">

<!--   -->
</a>
<ul class="blockListLast">
<li class="blockList">
<h4>EXECUTE</h4>
<pre>public static final&nbsp;<a href="../../../../org/apache/cassandra/auth/Permission.html" title="enum in org.apache.cassandra.auth">Permission</a> EXECUTE</pre>
</li>
</ul>

<!-- ============ FIELD DETAIL =========== -->
<ul class="blockList">
<li class="blockList"><a name="field.detail">

<!--   -->
</a>
<ul class="blockListLast">
<li class="blockList">
</li>
</ul>
</li>
</ul>
### Field Detail

```java
public static final java.util.Set<Permission> ALL
```

```java
public static final java.util.Set<Permission> NONE
```

### Method Detail

The `values()` method returns an array containing the constants of this enum type, in the order they are declared. This method may be used to iterate over the constants as follows:

```java
for (Permission c : Permission.values())
    System.out.println(c);
```

Returns:
an array containing the constants of this enum type, in the order they are declared

The string must match exactly an identifier used to declare an enum constant in this type. (Extraneous whitespace characters are not permitted.)

Parameters:

name - the name of the enum constant to be returned.

Returns:

the enum constant with the specified name

Throws:

java.lang.IllegalArgumentException - if this enum type has no constant with the specified name

java.lang.NullPointerException - if the argument is null

---

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 */
package org.apache.cassandra.auth;

import java.util.EnumSet;
import java.util.Set;
import com.google.common.collect.ImmutableSet;
import com.google.common.collect.Sets;

/**
 * An enum encapsulating the set of possible permissions that an authenticated user can have on a resource.
 * IAuthorizer implementations may encode permissions using ordinals, so the Enum order must never change order.
 * Adding new values is ok.
 */
public enum Permission {
    @Deprecated
    READ,
    @Deprecated
    WRITE,
    // schema and role management
    // CREATE, ALTER and DROP permissions granted on an appropriate DataResource are required for
    // CREATE KEYSPACE and CREATE TABLE.
    // ALTER KEYSPACE, ALTER TABLE, CREATE INDEX and DROP INDEX require ALTER permission on the
    // relevant DataResource.
    // DROP KEYSPACE and DROP TABLE require DROP permission.
    // In the context of Role management, these permissions may also be granted on a RoleResource.
    // CREATE is only granted on the root-level role resource, and is required to create new roles.
    // ALTER & DROP may be granted on either the root-level role resource, giving permissions on
    // all roles, or on specific role-level resources.
    CREATE,
ALTER,
DROP,

// data access
SELECT, // required for SELECT on a table
MODIFY, // required for INSERT, UPDATE, DELETE, TRUNCATE on a DataResource.

// permission management
AUTHORIZE, // required for GRANT and REVOKE of permissions or roles.

DESCRIBE, // required on the root-level RoleResource to list all Roles

// UDF permissions
EXECUTE; // required to invoke any user defined function or aggregate

public static final Set<Permission> ALL =
    Sets.immutableEnumSet(EnumSet.range(Permission.CREATE, Permission.EXECUTE));
public static final Set<Permission> NONE = ImmutableSet.of();
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 L. Peter Deutsch
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 */

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Date: Fri, 6 Jun 2003 10:18:52 -0700
From: Juan Gomez <juang@us.ibm.com>
To: Stephen Frost <sfrost@debian.org>
X-Mailer: Lotus Notes Release 5.0.2a (Intl) 23 November 1999
Subject: Re: Juan C. Gomez license in OpenLDAP Source

Stephen,

"There is no restriction on modifications and derived works" on the work I
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Regards, Juan

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Local-Date: Thu, 05 Jun 2003 16:53:32 -0400
Date: Thu, 5 Jun 2003 16:53:32 -0400 (EDT)
From: Mark Adamson <adamson@andrew.cmu.edu>
To: Stephen Frost <sfrost@debian.org>
Subject: Re: Mark Adamson license in OpenLDAP source

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* To: Stephen Frost <sfrost@snowman.net>
* Subject: Re: OpenLDAP Licenseing issues
* From: "Kurt D. Zeilenga" <Kurt@OpenLDAP.org>
* Date: Wed, 28 May 2003 10:55:44 -0700
* Cc: Steve Langasek <vorlon@netexpress.net>, debian-legal@lists.debian.org, openldap-devel@OpenLDAP.org
* In-reply-to: <20030528162613.GB8524@ns.snowman.net>
* Message-id: <5.2.0.9.0.20030528094229.02924780@127.0.0.1>
* Old-return-path: <Kurt@OpenLDAP.org>

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- /opt/ws_local/PERMITS_SQL/1018366217_1591904338.74/0/asm-3-1-sources-jar/org/objectweb/asm/Type.java
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  jar/org/objectweb/asm/signature/package.html
* /opt/ws_local/PERMITS_SQL/1018366217_1591904338.74/0/asm-3-1-sources-
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1.3601 bail 1.0.2
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1.3602 unicode-trie 1.0.0

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1.3603 icalendar 0.7.1

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1.3606 maven-artifact 3.6.3

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1.3607 cyrus-sasl 2.1.27+dfsg-2.1

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package datatypes

// no documentation yet
type Legal_RegulatedWorkload struct {
    Entity

    // no documentation yet
    Account *Account `json:"account,omitempty" xmlrpc:"account,omitempty"

    // no documentation yet
    AccountId *int `json:"accountId,omitempty" xmlrpc:"accountId,omitempty"

    // no documentation yet
    EnabledFlag *bool `json:"enabledFlag,omitempty" xmlrpc:"enabledFlag,omitempty"

    // no documentation yet
    Id *int `json:"id,omitempty" xmlrpc:"id,omitempty"

    // no documentation yet
    Type *Legal_RegulatedWorkload_Type `json:"type,omitempty" xmlrpc:"type,omitempty"

    // no documentation yet
    WorkloadTypeId *int `json:"workloadTypeId,omitempty" xmlrpc:"workloadTypeId,omitempty"
}

// no documentation yet
type Legal_RegulatedWorkload_Type struct {
    Entity

    // no documentation yet
    Id *int `json:"id,omitempty" xmlrpc:"id,omitempty"

    // no documentation yet
    KeyName *string `json:"keyName,omitempty" xmlrpc:"keyName,omitempty"
Name *string `json:"name, omitempty" xmlrpc:"name, omitempty"*
}

%notice {
    @extend %notice;
}
%notice {
    @extend %with-warning;
}
%notice::before {
    left: 20px;
    top: 18px;
    margin-top: 0;
}
%notice {
    border: 1px solid;
    border-radius: $radius-small;
}
%notice.warning {
    background-color: $yellow-050;
    border-color: $yellow-500;
}
%notice {
    position: relative;
    padding: 1em;
    padding-left: 45px;
}

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* Frodo Looijaard
Original author of libsensors, sensors-detect, sensors and isadump.
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Many optimizations in libsensors and sensors.
Configuration file converter.
Rewrite of sensors-detect.
Support for multiple configuration files in libsensors.

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1.3617 google-cloud-go v0.34.0

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package cloud

import ( "bytes" "io/ioutil" "os" "path/filepath" "strings" "testing" )

var sentinels = []string{ "Copyright", }
func TestLicense(t *testing.T) {
    t.Parallel()
    err := filepath.Walk(".", func(path string, fi os.FileInfo, err error) error {
        if err != nil {
            return err
        }
        ext := filepath.Ext(path)
        if ext != ".go" && ext != ".proto" {
            return nil
        }
        if ext == ".pb.go" {
            // .pb.go files are generated from the proto files.
            // .proto files must have license headers.
            return nil
        }
        if path == "bigtable/cmd/cbt/cbtdoc.go" {
            // Automatically generated.
            return nil
        }
        if path == "cmd/go-cloud-debug-agent/internal/debug/elf/elf.go" {
            // BSD license, which is compatible, is embedded in the file.
            return nil
        }
        src, err := ioutil.ReadFile(path)
        if err != nil {
            return nil
        }
        src = src[:300] // Ensure all of the sentinel values are at the top of the file.

        // Find license
        for _, sentinel := range sentinels {
            if !bytes.Contains(src, []byte(sentinel)) {
                t.Errorf("%v: license header not present. want %q", path, sentinel)
                return nil
            }
        }

        return nil
    })
    if err != nil {
        t.Fatal(err)
    }
}
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# The AUTHORS file lists the copyright holders; this file
# lists people. For example, Google employees are listed here
# but not in AUTHORS, because Google holds the copyright.
#
# https://developers.google.com/open-source/cla/individual
# https://developers.google.com/open-source/cla/corporate
#
# Names should be added to this file as:
#     Name <email address>
#
# Keep the list alphabetically sorted.

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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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jar/io/netty/channel/EpollTcpInfo.java
*/
*/opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-
jar/io/netty/channel/EpollDatagramChannel.java
*/
*/opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-
jar/io/netty/channel/Epoll.java
*/
*/opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-
jar/io/netty/channel/EpollMd5Util.java
*/
*/opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-
jar/io/netty/channel/EpollRecvByteAllocatorStreamingHandle.java
*/
*/opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-
jar/io/netty/channel/AbstractEpollServerChannel.java
*/
*/opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-
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*/
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jar/io/netty/channel/EpollDatagramChannel.java
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jar/io/netty/channel/package-info.java
* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/io/netty/channel/epoll/EpollSocketChannel.java
* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/io/netty/channel/epoll/EpollServerSocketChannel.java
* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/io/netty/channel/epoll/EpollEventLoopGroup.java
* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/io/netty/channel/epoll/EpollEventLoop.java

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* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/netty_epoll_linuxsocket.c
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*/
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 * Set the {@code TCP_MD5SIG} option on the socket. See {@code linux/tcp.h} for more details.
 * Keys can only be set on, not read to prevent a potential leak, as they are confidential.
 * Allowing them being read would mean anyone with access to the channel could get them.
 */
/**
 * Set the {@code TCP_QUICKACK} option on the socket. See <a href="http://linux.die.net/man/7/tcp">TCP_QUICKACK</a>
 * for more details.
 */

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1.3631 ffi 1.13.1-1.ph4

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// no documentation yet
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package datatypes

type Legal_RegulatedWorkload struct {
    Entity

    Account *Account `json:"account,omitempty" xmlrpc:"account,omitempty"`

    AccountId *int `json:"accountId,omitempty" xmlrpc:"accountId,omitempty"`
}
// no documentation yet
EnabledFlag *bool `json:"enabledFlag,omitempty" xmlrpc:"enabledFlag,omitempty"

// no documentation yet
Id *int `json:"id,omitempty" xmlrpc:"id,omitempty"

// no documentation yet
Type *Legal_RegulatedWorkload_Type `json:"type,omitempty" xmlrpc:"type,omemtpty"

// no documentation yet
WorkloadTypeId *int `json:"workloadTypeId,omitempty" xmlrpc:"workloadTypeId,omitempty"
 }

// no documentation yet
type Legal_RegulatedWorkload_Type struct {
    Entity

    // no documentation yet
    Id *int `json:"id,omitempty" xmlrpc:"id,omitempty"

    // no documentation yet
    KeyName *string `json:"keyName,omitempty" xmlrpc:"keyName,omitempty"

    // no documentation yet
    Name *string `json:"name,omitempty" xmlrpc:"name,omitempty"
}

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XZ Embedded <http://tukaani.org/xz/embedded.html>

The contents of the testdata directory are modified versions of
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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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* gogrep - https://github.com/mvdan/gogrep

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* gosmith - https://github.com/dvyukov/gosmith

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Protocol Buffers for Go with Gadgets

Go support for Protocol Buffers - Google's data interchange format

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// +build go1.10

package pq

import (
    "context"
    "database/sql/driver"
)

// NoticeHandler returns the notice handler on the given connection, if any. A runtime panic occurs if c is not a pq connection. This is rarely used
// directly, use ConnectorNoticeHandler and ConnectorWithNoticeHandler instead.
func NoticeHandler(c driver.Conn) func(*Error) {
    return c.(*conn).noticeHandler
}

// SetNoticeHandler sets the given notice handler on the given connection. A runtime panic occurs if c is not a pq connection. A nil handler may be used
// to unset it. This is rarely used directly, use ConnectorNoticeHandler and
// ConnectorWithNoticeHandler instead.
//
// Note: Notice handlers are executed synchronously by pq meaning commands
// won't continue to be processed until the handler returns.
func SetNoticeHandler(c driver.Conn, handler func(*Error)) {
    c.(*conn).noticeHandler = handler
}

// NoticeHandlerConnector wraps a regular connector and sets a notice handler
// on it.
type NoticeHandlerConnector struct {
    driver.Connector
    noticeHandler func(*Error)
}

// Connect calls the underlying connector’s connect method and then sets the
// notice handler.
func (n *NoticeHandlerConnector) Connect(ctx context.Context) (driver.Conn, error) {
    c, err := n.Connector.Connect(ctx)
    if err == nil {
        SetNoticeHandler(c, n.noticeHandler)
    }
    return c, err
}

// ConnectorNoticeHandler returns the currently set notice handler, if any. If
// the given connector is not a result of ConnectorWithNoticeHandler, nil is
// returned.
func ConnectorNoticeHandler(c driver.Connector) func(*Error) {
    if c, ok := c.(*NoticeHandlerConnector); ok {
        return c.noticeHandler
    }
    return nil
}

// ConnectorWithNoticeHandler creates or sets the given handler for the given
// connector. If the given connector is a result of calling this function
// previously, it is simply set on the given connector and returned. Otherwise,
// this returns a new connector wrapping the given one and setting the notice
// handler. A nil notice handler may be used to unset it.
//
// The returned connector is intended to be used with database/sql.OpenDB.
//
// Note: Notice handlers are executed synchronously by pq meaning commands
// won't continue to be processed until the handler returns.
func ConnectorWithNoticeHandler(c driver.Connector, handler func(*Error)) *NoticeHandlerConnector {
    if c, ok := c.(*NoticeHandlerConnector); ok {
        c.noticeHandler = handler
        return c
    }
    return &NoticeHandlerConnector{Connector: c, noticeHandler: handler}
}

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package api

import (
    "io/ioutil"
    "strings"
    "time"
)

type License struct {
    // The unique identifier of the license
    LicenseID string `json:"license_id"

    // The customer ID associated with the license
    CustomerID string `json:"customer_id"

    // If set, an identifier that should be used to lock the license to a
    // particular site, cluster, etc.
    InstallationID string `json:"installation_id"

    // The time at which the license was issued
    IssueTime time.Time `json:"issue_time"

    // The time at which the license starts being valid
    StartTime time.Time `json:"start_time"

    // The time after which the license expires
    ExpirationTime time.Time `json:"expiration_time"

    // The time at which the license ceases to function and can
    // no longer be used in any capacity
    TerminationTime time.Time `json:"termination_time"

    // The product the license is valid for
    Product string `json:"product"

    // License Specific Flags
    Flags map[string]interface{} `json:"flags"

    // List of features enabled by the license
    Features []string `json:"features"
type LicenseReply struct {
    Valid    bool
    License  *License
    Warnings []string
}

func (op *Operator) LicenseGet(q *QueryOptions) (*LicenseReply, error) {
    var reply LicenseReply
    if _, err := op.c.query("/v1/operator/license", &reply, q); err != nil {
        return nil, err
    } else {
        return &reply, nil
    }
}

func (op *Operator) LicenseGetSigned(q *QueryOptions) (string, error) {
    r := op.c.newRequest("GET", "/v1/operator/license")
    r.params.Set("signed", "1")
    r.setQueryOptions(q)
    _, resp, err := requireOK(op.c.doRequest(r))
    if err != nil {
        return "", err
    }
    defer resp.Body.Close()
    data, err := ioutil.ReadAll(resp.Body)
    if err != nil {
        return "", err
    }
    return string(data), nil
}

// LicenseReset will reset the license to the builtin one if it is still valid.
// If the builtin license is invalid, the current license stays active.
func (op *Operator) LicenseReset(opts *WriteOptions) (*LicenseReply, error) {
    var reply LicenseReply
    r := op.c.newRequest("DELETE", "/v1/operator/license")
    r.setWriteOptions(opts)
    _, resp, err := requireOK(op.c.doRequest(r))
    if err != nil {
        return nil, err
    }
    defer resp.Body.Close()
    if err := decodeBody(resp, &reply); err != nil {

func (op *Operator) LicensePut(license string, opts *WriteOptions) (*LicenseReply, error) {
    var reply LicenseReply
    r := op.c.newRequest("PUT", "/v1/operator/license")
    r.setWriteOptions(opts)
    r.body = strings.NewReader(license)
    _, resp, err := op.c.doRequest(r)
    if err != nil {
        return nil, err
    }
    defer resp.Body.Close()
    if err := decodeBody(resp, &reply); err != nil {
        return nil, err
    }
    return &reply, nil
}

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vSphere Integrated Containers Engine 1.5.2 GA

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runtime-3b13ebb46790d871d74a6c2450fa4b1280f90854.tar
runtime-3b13ebb46790d871d74a6c2450fa4b1280f90854\internal\testing\data.go
```

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```
runtime-3b13ebb46790d871d74a6c2450fa4b1280f90854.tar.gz
runtime-3b13ebb46790d871d74a6c2450fa4b1280f90854.tar
runtime-3b13ebb46790d871d74a6c2450fa4b1280f90854\middleware\negotiate_test.go
```

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```>>>
go-openapi_spec-e072eb2390d3a03736a6eb617d30f48369160447```

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```
spec-e072eb2390d3a03736a6eb617d30f48369160447.tar.gz\spec-
```
Go support for leveled logs, analogous to https://code.google.com/p/google-glog

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>>> golang_groupcache_lru-72d04f9fcdec7d3821820cc4a6f150eae553639a

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>>> cenkalti_backoff-b02f2bbce11d7ea6b97f282ef1771b0fe2f65ef3

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>>> client9_misspell-9a1fc2456ac9e8c9b4ce9d005b6e7dac0d357f

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>>> codegangsta_cli-master

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>>> cpuguy83_go-md2man_md2man-a65d4d2de4d5f7c74868dfa9b202a3c8be315aaa

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>>> gizak_termui-798ff9cbbe4073e1f1f88e6069ca4a2c6aa6676b

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>>> go-check_check-20d25e2804050c1cd24a7eaa1e7a6447dd0e74ec

Gocheck - A rich testing framework for Go

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>>> godbus_dbus-230e4b23db2f81e53eaa0073f76659d4849ce51

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>>> graylog2_go-gelf_gelf-master

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tomb - support for clean goroutine termination in Go.

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It was heavily inspired by the go blowfish package.

>>> x_crypto_nacl_secretbox-728b753d0135da6801d45a38e6f43ff55779c5c2

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>>> x_crypto_poly1305-728b753d0135da6801d45a38e6f43ff55779c5c2

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+build appengine

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It is designed to run only on the instance of godoc that serves golang.org.

package short
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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
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lib/gssapi/mechglue/g_dup_name.c
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lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_imp_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
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>>> libffi-3.2.1-5.ph2

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Reasonably optimised generic C-code for memcpy on Microblaze
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This code offers a very basic support for this EISA bus present in the SGI Indigo-2. It currently only supports PIO (forget about DMA for the time being). This is enough for a low-end ethernet card,
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line - read one line


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uuidparse.c --- Interpret uuid encoded information. This program violates the UUID abstraction barrier by reaching into the guts of a UUID.

Based on libuuid/src/uuid_time.c
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From Simon Josefsson
-- derivated from coreutils m4/warnings.m4

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2.32\login-utils\setpwnam.c
setpwnam.c -- edit an entry in a password database.

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Edited 11/10/96 (DD/MM/YY ;-) by Nicolai Langfeldt (janl@math.uio.no)
to read /etc/passwd directly so that passwd, chsh and chfn can work on
machines that run NIS (previously YP). Changes will not be made to usernames starting with +.

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Usage:
1) get a struct passwd from getpwnam().
You should assume a struct passwd has an infinite number of fields, so you should not try to create one from scratch.
2) edit the fields you want to edit.
3) call setpwnam() with the edited struct passwd.

A _normal user_ program should never directly manipulate etc/passwd but /use getpwnam() and (family, as well as) setpwnam().

But, setpwnam was made to _edit_ the password file. For use by chfn, chsh and passwd. _I_ _HAVE_ to read and write /etc/passwd directly. Let those who say nay be forever silent and think about how getpwnam (and family) works on a machine running YP.

Added checks for failure of malloc() and removed error reporting to stderr, this is a library function and should not print on the screen, but return appropriate error codes.
27-Jan-97 - poe@daimi.aau.dk

Thanks to "two guys named Ian".

$Author: poer $
$Revision: 1.13 $
$Date: 1997/06/23 08:26:29 $

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Python bindings for the libmount library.

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Bison implementation for Yacc-like parsers in C


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A Bison parser, made by GNU Bison 3.0.4.

Bison interface for Yacc-like parsers in C


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/ Bison implementation for Yacc-like parsers in C


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There are some preprocessor constants that can be defined when compiling for your specific system, for improved efficiency; however, the defaults should be okay.

The general concept of this implementation is to keep track of all alloca-allocated blocks, and reclaim any that are found to be deeper in the stack than the current invocation. This heuristic does not reclaim storage as soon as it becomes invalid, but it will do so eventually.

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alloca.c -- allocate automatically reclaimed memory
(Mostly) portable public-domain implementation -- D A Gwyn

This implementation of the PWB library alloca function, which is used to allocate space off the run-time stack so that it is automatically reclaimed upon procedure exit, was inspired by discussions with J. Q. Johnson of Cornell. J.Otto Tennant <jot@cray.com> contributed the Cray support.

There are some preprocessor constants that can be defined when compiling for your specific system, for improved efficiency; however, the defaults should be okay.

The general concept of this implementation is to keep track of all alloca-allocated blocks, and reclaim any that are found to be deeper in the stack than the current invocation. This heuristic does not reclaim storage as soon as it becomes invalid, but it will do so eventually.

As a special case, alloca(0) reclaims storage without allocating any. It is a good idea to use alloca(0) in your main control loop, etc. to force garbage collection.

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CTR DRBG with DF with AES-128, AES-192, AES-256 cores
Hash DRBG with DF with SHA-1, SHA-256, SHA-384, SHA-512 cores
HMAC DRBG with DF with SHA-1, SHA-256, SHA-384, SHA-512 cores
with and without prediction resistance

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MS-DOS. Written by Michael Rendell (\{uunet,utai\}michael@garfield),
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> MIT- Style

nss-3.31.1.tar.gz\..\stage\NSS_3_31_1_RTM\src\nss-3.31.1.tar\nss-3.31.1\nss\lib\jar\jzlib.h

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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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      (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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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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work, in isolation, is not a derivative work of the Library, and
therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
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library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
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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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Otherwise, if the work is a derivative of the Library, you may
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The Work changes from status `maintained' to `unmaintained' if there is no Current Maintainer, or the person stated to be Current Maintainer of the work cannot be reached through the indicated means of communication for a period of six months, and there are no other significant signs of active maintenance.

You can become the Current Maintainer of the Work by agreement with any existing Current Maintainer to take over this role.

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2. If this search is successful, then enquire whether the Work is still maintained.
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   b. If the search is unsuccessful or no action to resume active maintenance is taken by the Current Maintainer, then announce within the pertinent community your intention to take over maintenance. (If the Work is a LaTeX work, this could be done, for example, by posting to comp.text.tex.)

3a. If the Current Maintainer is reachable and agrees to pass maintenance of the Work to you, then this takes effect immediately upon announcement.

3b. If the Current Maintainer is not reachable and the Copyright Holder agrees that maintenance of the Work be passed to you, then this takes effect immediately upon announcement.

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-----------------------------------------------------

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Important Recommendations

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```
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```

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mgo - MongoDB driver for Go

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// Package misspell corrects commonly misspelled English words in source files.
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// Legal provides licensing info.
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<form {{action "saveModel" text on="submit"}}>
  <div class="box is-shadowless is-fullwidth is-marginless">
    <div class="field">
      <div class="control">
        {{input id="license-id" value=text autocomplete="off" class="input" data-test-text-input="data-test-text-input"}}
      </div>
    </div>
    <div class="field">
      <button type="submit" class="button is-primary data-test-save-button">Save</button>
    </div>
  </div>
</form>

{{else}}

<section class="box is-sideless is-fullwidth">
  <span class="title is-5":Details</span>
  {{#if showForm}}
    <form {{action "saveModel" text on="submit"}}>
      <div class="field">
        <div class="control">
          {{input id="license-id" value=text autocomplete="off" class="input" data-test-text-input="data-test-text-input"}}
        </div>
      </div>
      <div class="field is-grouped">
        <div class="control">
          <button type="submit" class="button is-primary data-test-save-button">Save</button>
        </div>
        <div class="control">
          <button type="button" {{action "toggleForm"}} class="button data-test-cancel-button">Cancel</button>
        </div>
      </div>
    </form>
  {{else}}
    <div class="field box is-fullwidth is-shadowless is-paddingless is-marginless">
      {{info-table-row label="License ID" value=licenseId}}
      {{#info-table-row label="Valid from" value=startTime}}
        to {{date-format model.startTime 'MMM DD, YYYY hh:mm:ss A'}}
      {{/info-table-row}}
      {{#info-table-row label="Valid to" value=expirationTime}}
        to {{date-format expirationTime 'MMM DD, YYYY hh:mm:ss A'}}
      {{/info-table-row}}
    </div>
  {{/if}}
</section>

{{/else}}
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---
layout: api
page_title: /sys/license - HTTP API
sidebar_title: <code>/sys/license</code>
description: |-
The `/sys/license` endpoint is used to view and update the license used in
Vault.
---

# `/sys/license`

~~> **Enterprise Only** These endpoints require Vault Enterprise.

The `/sys/license` endpoint is used to view and update the license used in
Vault.

### Read License

This endpoint returns information about the currently installed license.

<table>
<thead>
<tr>
<th>Method</th>
<th>Path</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>GET</code></td>
<td><code>/sys/license</code></td>
</tr>
</tbody>
</table>

### Sample Request

```
```
shell-session
$ curl \
   --header "X-Vault-Token: ..." \
   http://127.0.0.1:8200/v1/sys/license
```
### Sample Response
```json
{
"data": {
"expiration_time": "2017-11-14T16:34:36.546753-05:00",
"features": ["UI", "HSM", "Performance Replication", "DR Replication"],
"license_id": "temporary",
"start_time": "2017-11-14T16:04:36.546753-05:00"
},
"warnings": ["time left on license is 29m33s"]
}
```

## Install License

This endpoint is used to install a license into Vault.

<table>
<thead>
<tr>
<th>Method</th>
<th>Path</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>PUT</code></td>
<td><code>/sys/license</code></td>
</tr>
</tbody>
</table>

### Parameters

- `text` *(string: <required>)* - The text of the license.

_**DR Secondary Specific Parameters**_

- `dr_operation_token` *(string: <required>)* - DR operation token used to authorize this request.

### Sample Payload
```json
{
"text": "01ABCDEFG..."
}
```

### Sample Request
```shell-session
$ curl
   --header "X-Vault-Token: ..."
   --request PUT
   --data @payload.json
   http://127.0.0.1:8200/v1/sys/license
```
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Portions of the client are based on code at:
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prooffs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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Portions of the client are based on code at:
https://github.com/google/go-github/ and
https://github.com/digitalocean/godo

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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,omtempty"`
    Path *string `json:"path,omtempty"`
    SHA         *string `json:"sha,omtempty"`
    Size        *int     `json:"size,omtempty"`
    URL         *string  `json:"url,omtempty"`
    HTMLURL     *string  `json:"html_url,omtempty"`
    GitURL      *string  `json:"git_url,omtempty"`
    DownloadURL *string  `json:"download_url,omtempty"`
    Type        *string  `json:"type,omtempty"`
    Content     *string  `json:"content,omtempty"`
    Encoding    *string  `json:"encoding,omtempty"`
    License     *License `json:"license,omtempty"`
}
func (l RepositoryLicense) String() string {
    return Stringify(l)
}

// License represents an open source license.
type License struct {
    Key   *string `json:"key,omitenpty"`
    Name  *string `json:"name,omitenpty"`
    URL   *string `json:"url,omitenpty"`
    SPDXID         *string   `json:"spdx_id,omitenpty"`
    HTMLURL        *string   `json:"html_url,omitenpty"`
    Featured       *bool     `json:"featured,omitenpty"`
    Description    *string   `json:"description,omitenpty"`
    Implementation *string   `json:"implementation,omitenpty"`
    Permissions    *[]string `json:"permissions,omitenpty"`
    Conditions     *[]string `json:"conditions,omitenpty"`
    Limitations    *[]string `json:"limitations,omitenpty"`
    Body           *string   `json:"body,omitenpty"
}

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
    }
    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
}

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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SAP HANA Database driver for the Go Programming Language
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type Features uint

const FeatureNone Features = 0

func (f Features) HasFeature(flag Features) bool {
    return false
}

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1.3635 file-loader 2.0.0

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1.3636 brace 0.11.1

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1.3637 object.values 1.0.4

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1.3638 go-autorest-logging v0.2.0

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1.3639 to-fast-properties 1.0.3
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goproperties - properties file decoder for Go

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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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code

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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---

```go
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

.hg

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BSON library for Go

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mgo - MongoDB driver for Go

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#
# Auto-generated with:
# git log --oneline --pretty=format: '%an <%aE>' | sort -u
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*/

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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
        }
    }

    body.Res.Returnval = licenseInfo(req.LicenseKey, req.Labels)

    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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Feb, 2010
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1.3643 fs-minipass 2.1.0

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1.3645 logstash-filter-clone 3.0.6

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1.3646 cockroachdb-errors v1.8.3

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* /opt/cola/permits/1134810906_1613424003.89/0/lz4-java-1-7-1-sources-jar/net/jpountz/xxhash/package.html

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* /opt/cola/permits/1134810906_1613424003.89/0/lz4-java-1-7-1-sources-jar/net/jpountz/lz4/LZ4JNI.java
* /opt/cola/permits/1134810906_1613424003.89/0/lz4-java-1-7-1-sources-jar/net/jpountz/lz4/LZ4Factory.java
* /opt/cola/permits/1134810906_1613424003.89/0/lz4-java-1-7-1-sources-jar/net/jpountz/xxhash/StreamingXXHash32.java
* /opt/cola/permits/1134810906_1613424003.89/0/lz4-java-1-7-1-sources-jar/net/jpountz/lz4/LZ4JNISafeDecompressor.java
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* /opt/cola/permits/1134810906_1613424003.89/0/lz4-java-1-7-1-sources-jar/net/jpountz/lz4/LZ4JNICompressor.java
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* /opt/cola/permits/1134810906_1613424003.89/0/lz4-java-1-7-1-sources-jar/net/jpountz/xxhash/StreamingXXHash32JNI.java
* /opt/cola/permits/1134810906_1613424003.89/0/lz4-java-1-7-1-sources-jar/net/jpountz/lz4/LZ4UnsafeUtils.java
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* /opt/cola/permits/1134810906_1613424003.89/0/lz4-java-1-7-1-sources-jar/net/jpountz/util/Native.java
* /opt/cola/permits/1134810906_1613424003.89/0/lz4-java-1-7-1-sources-jar/net/jpountz/lz4/LZ4Decompressor.java
* /opt/cola/permits/1134810906_1613424003.89/0/lz4-java-1-7-1-sources-jar/net/jpountz/xxhash/AbstractStreamingXXHash64Java.java
* /opt/cola/permits/1134810906_1613424003.89/0/lz4-java-1-7-1-sources-jar/net/jpountz/lz4/LZ4FastDecompressor.java
* /opt/cola/permits/1134810906_1613424003.89/0/lz4-java-1-7-1-sources-jar/net/jpountz/xxhash/XXHashFactory.java
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* /opt/cola/permits/1134810906_1613424003.89/0/lz4-java-1-7-1-sources-jar/net/jpountz/lz4/LZ4Compressor.java
* /opt/cola/permits/1134810906_1613424003.89/0/lz4-java-1-7-1-sources-jar/net/jpountz/lz4/LZ4UnknownSizeDecompressor.java
* /opt/cola/permits/1134810906_1613424003.89/0/lz4-java-1-7-1-sources-jar/net/jpountz/xxhash/XXHashConstants.java
* /opt/cola/permits/1134810906_1613424003.89/0/lz4-java-1-7-1-sources-jar/net/jpountz/lz4/LZ4Utils.java
* /opt/cola/permits/1134810906_1613424003.89/0/lz4-java-1-7-1-sources-jar/net/jpountz/lz4/LZ4UnsafeUtils.java
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* /opt/cola/permits/1134810906_1613424003.89/0/lz4-java-1-7-1-sources-jar/net/jpountz/lz4/LZ4Compressor.java
* /opt/cola/permits/1134810906_1613424003.89/0/lz4-java-1-7-1-sources-jar/net/jpountz/lz4/LZ4UnknownSizeDecompressor.java
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* /opt/cola/permits/1134810906_1613424003.89/0/lz4-java-1-7-1-sources-jar/net/jpountz/lz4/LZ4UnsafeUtils.java
1.3649 snake-yaml 1.18

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1.3650 node-https-proxy-agent 5.0.0-3

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https-proxy-agent
### An HTTP(s) proxy `http.Agent` implementation for HTTPS

This module provides an `http.Agent` implementation that connects to a specified HTTP or HTTPS proxy server, and can be used with the built-in `https` module.

Specifically, this `Agent` implementation connects to an intermediary "proxy" server and issues the [CONNECT HTTP method][CONNECT], which tells the proxy to open a direct TCP connection to the destination server.

Since this agent implements the CONNECT HTTP method, it also works with other protocols that use this method when connecting over proxies (i.e. WebSockets).

See the "Examples" section below for more.

**Installation**

Install with `npm`:

```bash
$ npm install https-proxy-agent
```

**Examples**

```
var url = require('url');
var https = require('https');
var HttpsProxyAgent = require('https-proxy-agent');

// HTTP/HTTPS proxy to connect to
var proxy = process.env.http_proxy || 'http://168.63.76.32:3128';
console.log('using proxy server %j', proxy);

// HTTPS endpoint for the proxy to connect to
console.log('attempting to GET %j', endpoint);
var options = url.parse(endpoint);

// create an instance of the `HttpsProxyAgent` class with the proxy server information
```
var agent = new HttpsProxyAgent(proxy);
options.agent = agent;

https.get(options, function (res) {
    console.log("response" event!, res.headers);
    res.pipe(process.stdout);
});
```

#### `ws` WebSocket connection example

``` js
var url = require('url');
var WebSocket = require('ws');
var HttpsProxyAgent = require('https-proxy-agent');

// HTTP/HTTPS proxy to connect to
var proxy = process.env.http_proxy || 'http://168.63.76.32:3128';
console.log('using proxy server %j', proxy);

// WebSocket endpoint for the proxy to connect to
var endpoint = process.argv[2] || 'ws://echo.websocket.org';
var parsed = url.parse(endpoint);
console.log('attempting to connect to WebSocket %j', endpoint);

// create an instance of the `HttpsProxyAgent` class with the proxy server information
var options = url.parse(proxy);
var agent = new HttpsProxyAgent(options);

// finally, initiate the WebSocket connection
var socket = new WebSocket(endpoint, { agent: agent });

socket.on('open', function () {
    console.log("open" event!);
    socket.send('hello world');
});

socket.on('message', function (data, flags) {
    console.log("message" event! %j %j’, data, flags);
    socket.close();
});
```

API
---

```

### new HttpsProxyAgent(Object options)
```
The `HttpsProxyAgent` class implements an `http.Agent` subclass that connects to the specified "HTTP(s) proxy server" in order to proxy HTTPS and/or WebSocket requests. This is achieved by using the [HTTP `CONNECT` method][CONNECT].

The `options` argument may either be a string URI of the proxy server to use, or an "options" object with more specific properties:

* `host` - String - Proxy host to connect to (may use `hostname` as well). Required.
* `port` - Number - Proxy port to connect to. Required.
* `protocol` - String - If `https:`, then use TLS to connect to the proxy.
* `headers` - Object - Additional HTTP headers to be sent on the HTTP CONNECT method.
* Any other options given are passed to the `net.connect()`/`tls.connect()` functions.

---

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[CONNECT]: http://en.wikipedia.org/wiki/HTTP_tunnel#HTTP.CONNECT_Tunneling

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 * Rob Earhart
 * Rob Siemborski
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zip/interpreter/server/lib/__tests__/create_handlers.js
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1.3653 sensible-utils 0.0.12

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1.3654 kubernetes-client v0.21.1

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* /opt/cola/permits/1138888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1.jar/com/amazonaws/retry/PredefinedRetryPolicies.java
* /opt/cola/permits/1138888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1.jar/com/amazonaws/util/XpathUtils.java
* /opt/cola/permits/1138888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1.jar/com/amazonaws/transform/VoidStaxUnmarshallers.java
* /opt/cola/permits/1138888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1.jar/com/amazonaws/internal/config/HostRegexToRegionMapping.java
* /opt/cola/permits/1138888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1.jar/com/amazonaws/metrics/internal/ServiceMetricTypeGuesser.java
* /opt/cola/permits/1138888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1.jar/com/amazonaws/retry/RetryPolicy.java
* /opt/cola/permits/1138888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1.jar/com/amazonaws/retry/internal/AuthErrorRetryStrategy.java
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  jar/com/amazonaws/util/Base16Codec.java
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* /opt/cola/permits/1138888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-jar/com/amazonaws/AmazonClientException.java
* /opt/cola/permits/1138888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-jar/com/amazonaws/transform/SimpleTypeUnmarshallers.java
* /opt/cola/permits/1138888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-jar/com/amazonaws/transform/LegacyErrorUnmarshaller.java
* /opt/cola/permits/1138888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-jar/com/amazonaws/http/HttpMethodName.java
* /opt/cola/permits/1138888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-jar/com/amazonaws/util/XmlUtils.java
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* /opt/cola/permits/1138888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-jar/com/amazonaws/util/FakeIOException.java
* /opt/cola/permits/1138888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-jar/com/amazonaws/util/IdempotentUtils.java
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* /opt/cola/permits/1138888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-jar/com/amazonaws/auth/DefaultAWSCredentialsProviderChain.java
* /opt/cola/permits/1138888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-jar/com/amazonaws/auth/EnvironmentVariableCredentialsProvider.java
* /opt/cola/permits/1138888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-jar/com/amazonaws/auth/InstanceProfileCredentialsProvider.java
* /opt/cola/permits/1138888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-jar/com/amazonaws/HandlerContextAware.java
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* /opt/cola/permits/1138888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-jar/com/amazonaws/internal/CRC32MismatchException.java
* /opt/cola/permits/1138888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-jar/com/amazonaws/HandlerContextAware.java
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* /opt/cola/permits/113888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-jar/com/amazonaws/auth/AWSSessionCredentials.java
* /opt/cola/permits/113888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-jar/com/amazonaws/auth/AWSSessionCredentialsProvider.java
* /opt/cola/permits/113888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-jar/com/amazonaws/metrics/MetricAdmin.java
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* /opt/cola/permits/113888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-jar/com/amazonaws/internal/ReleasableInputStream.java
* /opt/cola/permits/113888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-jar/com/amazonaws/internal/ResettableInputStream.java

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  jar/com/amazonaws/internal/SdkInternalMap.java
* /opt/cola/permits/113888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-
  jar/com/amazonaws/http/timers/request/HttpRequestAbortTaskTrackerImpl.java
* /opt/cola/permits/113888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-
  jar/com/amazonaws/log/JulLog.java
* /opt/cola/permits/113888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-
  jar/com/amazonaws/http/conn/ssl/privileged/PrivilegedMasterSecretValidator.java
* /opt/cola/permits/113888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-
  jar/com/amazonaws/http/DelegatingDnsResolver.java
* /opt/cola/permits/113888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-
  jar/com/amazonaws/http/exception/HttpRequestTimeoutException.java
* /opt/cola/permits/113888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-
  jar/com/amazonaws/http/timers/TimeoutThreadPoolBuilder.java
* /opt/cola/permits/113888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-
  jar/com/amazonaws/ReadLimitInfo.java
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  jar/com/amazonaws/SystemDefaultDnsResolver.java
* /opt/cola/permits/113888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-
  jar/com/amazonaws/http/exception/HttpException.java
* /opt/cola/permits/113888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-
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  jar/com/amazonaws/http/settings/HttpClientSettings.java
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  jar/com/amazonaws/http/timers/ClientExecutionAbortTrackerTask.java
* /opt/cola/permits/113888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-
  jar/com/amazonaws/http/timers/ClientExecutionAbortTask.java
* /opt/cola/permits/113888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-
  jar/com/amazonaws/http/timers/client/ConnectionManagerFactory.java
* /opt/cola/permits/113888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-
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  jar/com/amazonaws/protocol/json/SdkStructuredPlainJsonFactory.java
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* /opt/cola/permits/1138888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-
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* /opt/cola/permits/1138888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-
  jar/com/amazonaws/http/JsonResponseHandler.java

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* /opt/cola/permits/1138888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-jar/com/amazonaws/util/MetadataCache.java
* /opt/cola/permits/1138888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-jar/com/amazonaws/internal/auth/SignerProvider.java
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* /opt/cola/permits/1138888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-jar/com/amazonaws/internal/auth/DefaultSignerProvider.java
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* /opt/cola/permits/1138888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-jar/com/amazonaws/internal/CredentialsEndpointProvider.java
* /opt/cola/permits/1138888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-jar/com/amazonaws/internal/EC2CredentialsUtils.java
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1.3678 node-jsonify 0.0.0-1.1

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Upstream-Contact: Douglas Crockford (http://crockford.com/)
Source: https://github.com/substack/jsonify

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1.3682 libxtst 1.2.3-1

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1.3683 google-cloud-go v0.56.0

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package cloud

import (
    "bytes"
    "io/ioutil"
    "os"
    "path/filepath"
    "strings"
    "testing"
)

var sentinels = []string{
    "Copyright",
    "Google",
    `Licensed under the Apache License, Version 2.0 (the "License");`,
}

func TestLicense(t *testing.T) {
    t.Parallel()
    err := filepath.Walk(".", func(path string, fi os.FileInfo, err error) error {
        if err != nil {
            return err
        }
        if ext := filepath.Ext(path); ext != ".go" && ext != ".proto" {
            return nil
        }

        if strings.HasSuffix(path, ".pb.go") {
            // .pb.go files are generated from the proto files.
            // .proto files must have license headers.
            return nil
        }
        if path == "bigtable/cmd/cbt/cbtdev.go" {
            // Automatically generated.
            return nil
        }
        if path == "cmd/go-cloud-debug-agent/internal/debug/elf/elf.go" {
            // BSD license, which is compatible, is embedded in the file.
            return nil
        }
    })
    if err != nil {
        return err
    }
}

if ext := filepath.Ext(path); ext != ".go" && ext != ".proto" {
    return nil
}
if strings.HasSuffix(path, ".pb.go") {
    // .pb.go files are generated from the proto files.
    // .proto files must have license headers.
    return nil
}
if path == "bigtable/cmd/cbt/cbtdev.go" {
    // Automatically generated.
    return nil
}
if path == "cmd/go-cloud-debug-agent/internal/debug/elf/elf.go" {
    // BSD license, which is compatible, is embedded in the file.
    return nil
}
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1.3684 prometheus-client v0.2.0

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1.3685 coreutils 8.22-24.el7_9.2

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.
In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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1.3707 y18n 3.2.2

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rt/modules/javafx.media/src/main/native/gstreamer/3rd_party/glib/
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  rt/modules/javafx.media/src/main/native/gstreamer/gstreamer-lite/

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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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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 combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the
Library. A suitable mechanism is one that (1) uses at run time a
copy of the library already present on the user's computer system,
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will operate properly with a modified version of the library, if
the user installs one, as long as the modified version is
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c) Accompany the work with a written offer, valid for at
least three years, to give the same user the materials
specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
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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
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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.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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6. As an exception to the Sections above, you may also 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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Here is a list of the main contributors to lm-sensors version 3.

* Frodo Looijaard
  Original author of libsensors, sensors-detect, sensors and isadump.
* Merlin Hughes
  Original author of sensord.
* Bob Schlaermann
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* Mark M. Hoffman
  Many improvements to the libsensors configuration file scanner.
* Jean Delvare
  New libsensors API, and migration of sensors and sensord there to.
  Many optimizations in libsensors and sensors.
  Configuration file converter.
  Rewrite of sensors-detect.
  Support for multiple configuration files in libsensors.

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1.3728 jetty-util 9.4.38.v20210224

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* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions. http://openjdk.java.net/legal/gplv2+ce.html

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

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org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville. Permission to use, copy, modify and distribute UnixCrypt for non-commercial or commercial purposes and without fee is granted provided that the copyright notice appears in all copies.

1.3729 tootallnate-once 1.1.2

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1.3730 spew 1.1.1

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1.3731 pinentry-curses 1.1.0-2

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Tests included here are based on build output generated by the six-speed benchmark suite.

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A. HISTORY OF THE SOFTWARE
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Python was created in the early 1990s by Guido van Rossum at Stichting 
Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands 
as a successor of a language called ABC. Guido remains Python's 
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for 
National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) 
in Reston, Virginia where he released several versions of the 
software.

In May 2000, Guido and the Python core development team moved to 
BeOpen.com to form the BeOpen PythonLabs team. In October of the same 
year, the PythonLabs team moved to Digital Creations, which became 
Zope Corporation. In 2001, the Python Software Foundation (PSF, see 
https://www.python.org/psf/) was formed, a non-profit organization 
created specifically to own Python-related Intellectual Property. 
Zope Corporation was a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for 
the Open Source Definition). Historically, most, but not all, Python 
releases have also been GPL-compatible; the table below summarizes 
the various releases.

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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\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
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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';
}
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,}\b/s
  or die "Copyright statement not found in perl -v output $output";
$year;
}

1.3736 logstash-filter-geoip 5.0.3
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1.3737 xz 5.2.4-r0
1.3737.1 Available under license :

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1.3747 libsemanage 2.6-2

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1.3748 minipass-fetch 1.3.3

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1.3764 apr 1.5.2

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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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1.3782 @babel/plugin-transform-typeof-symbol 7.2.0

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* /opt/cola/permits/1138680848_1614312229.62/0/netty-transport-native-unix-common-4-1-59-final-sources
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1.3797 bind 9.11.4-26.P2.el7_9.5

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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were derived form the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5c5f2bb5b6.
Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp:
These files were derived from the file_handle, systembuf, pipe and pistream
classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk,
admin/check-style-cpp.awk, admin/check-style-shell.awk: These files,
except the first one, were first implemented in the Buildtool project.
They were later adapted to be part of Boost.Process and, during that
process, the shell script was created.

Author: Julio Merino <jmmv84@gmail.com>

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vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2
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<!-- Generate ISC copyright comments from Docbook copyright metadata. -->

<xsl:stylesheet version="1.0"
xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
xmlns:xi="http://www.w3.org/2001/XInclude"
xmlns:db="http://docbook.org/ns/docbook">
  <xsl:template name="isc.copyright.format">
    <xsl:param name="text"/>
    <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
    <xsl:text>&#10;</xsl:text>
    <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
    <xsl:if test="translate($rest, '&#9;&#32;', '')">
      <xsl:call-template name="isc.copyright.format">
        <xsl:with-param name="text" select="$rest"/>
      </xsl:call-template>
    </xsl:if>
  </xsl:template>
</xsl:stylesheet>
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import (
    "bytes"
    "io/ioutil"
    "os"
    "path/filepath"
    "regexp"
    "testing"
)

// Files in this package use a BSD-style license.
vary sentinel = regexp.MustCompile(`(//|#) Copyright \d\d\d\d (Google LLC|The Go Authors)\(\)\*\( All rights reserved.\)\*`(/#) Use of this source code is governed by a BSD-style license that can be found in the LICENSE file.
)

const prefix = "// Copyright"

// A few files have to be skipped.
vary skip = map[string]bool{
    "tools.go": true, // This file requires another comment above the license.
    "internal/third_party/uritemplates/uritemplates.go": true, // This file is licensed to an individual.
    "internal/third_party/uritemplates/uritemplates_test.go": true, // This file is licensed to an individual.
}

// This test validates that all go files in the repo start with an appropriate license.
func TestLicense(t *testing.T) {
    err := filepath.Walk(".", func(path string, fi os.FileInfo, err error) error {
        if skip[path] {
            return nil
        }
    })
}
if err != nil {
    return err
}

if filepath.Ext(path) != ".go" && filepath.Ext(path) != ".sh" {
    return nil
}

src, err := ioutil.ReadFile(path)
if err != nil {
    return nil
}

// Verify that the license is matched.
if !sentinel.Match(src) {
    t.Errorf("%v: license header not present", path)
    return nil
}

// Also check it is at the top of .go files (but not .sh files, because they must have a shebang first).
if filepath.Ext(path) == ".go" && !bytes.HasPrefix(src, []byte(prefix)) {
    t.Errorf("%v: license header not at the top", path)
}
return nil
}

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<imurdock@debian.org> and was maintained by Steve Phillips
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Since Nov 27 1996, it was maintained by Guy Maor <maor@debian.org>. He
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Since May 20 2000, it is maintained by Roland Bauerschmidt
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**1.3810 openssl 1.0.2k-21.el7_9**

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1.3812 zlib 1.2.8.dfsg 5
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1.3817 lodash.camelcase 4.3.0

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1.3818 hash.js 1.1.3
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Just a bike-shed.

## Install

```sh
npm install hash.js
```

## Usage

```js
var hash = require('hash.js')
hash.sha256().update('abc').digest('hex')
```

## Selective hash usage

```js
var sha512 = require('hash.js/lib/hash/sha/512');
sha512().update('abc').digest('hex');
```

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1.3819 ieee754 1.1.8

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1.3820 shadow 4.6-5.el7

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// Original can be found at:
// https://bitbucket.org/lindenlab/llsd
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// Modifications by Joshua Bell inexorablentash@gmail.com
// https://github.com/inexorablentash/polyfill

// ES3/ES5 implementation of the Khronos Typed Array Specification
// Ref: http://www.khronos.org/registry/typedarray/specs/latest/
// Date: 2011-02-01

// Variations:
// * Allows typed_array.get/set() as alias for subscripts (typed_array[])

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# spdx-license-ids


A list of [SPDX license](https://spdx.org/licenses/) identifiers

## Installation

[Download JSON directly](https://raw.githubusercontent.com/shinnn/spdx-license-ids/master/index.json), or [use](https://docs.npmjs.com/cli/install) [npm](https://docs.npmjs.com/about-npm):

```bash
npm install spdx-license-ids
```

## [Node.js](https://nodejs.org/) API

### require('spdx-license-ids')

Type: `string[]`

All license IDs except for the currently deprecated ones.

```javascript
const ids = require('spdx-license-ids');
//=> ['0BSD', 'AAL', 'ADSL', 'AFL-1.1', 'AFL-1.2', 'AFL-2.0', 'AFL-2.1', 'AFL-3.0', 'AGPL-1.0-only', ...]

ids.includes('BSD-3-Clause'); //=> true
ids.includes('CC-BY-1.0'); //=> true
ids.includes('GPL-3.0'); //=> false
```

### require('spdx-license-ids/deprecated')
Type: `string[]`

Deprecated license IDs.

```javascript
const deprecatedIds = require('spdx-license-ids/deprecated');
//=> ['AGPL-1.0', 'AGPL-3.0', 'GFDL-1.1', 'GFDL-1.2', 'GFDL-1.3', 'GPL-1.0', 'GPL-2.0', ...]

deprecatedIds.includes('BSD-3-Clause'); //=> false
deprecatedIds.includes('CC-BY-1.0'); //=> false

deprecatedIds.includes('GPL-3.0'); //=> true
```

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{ 'variables': {
  'openssl_defines_BSD-x86_64': [
'NDEBUG',
'L_ENDIAN,'
'OPENSSL_PIC',
'OPENSSL_CPUID_OBJ',
'OPENSSL_IA32_SSE2',
'OPENSSL_BN_ASM_MONT',
'OPENSSL_BN_ASM_MONT5',
'OPENSSL_BN_ASM_GF2m',
'SHA1_ASM',
'SHA256_ASM',
'SHA512_ASM',
'OPENSSL_IA32_SSE2',
'OPENSSL_BN_ASM_MONT',
'OPENSSL_BN_ASM_MONT5',
'OPENSSL_BN_ASM_GF2m',
'SHA1_ASM',
'SHA256_ASM',
'SHA512_ASM',
'KECCAK1600_ASM',
'RC4_ASM',
'MD5_ASM',
'AESNI_ASM',
'VPAES_ASM',
'GHASH_ASM',
'ECP_NISTZ256_ASM',
'X25519_ASM',
'POLY1305_ASM',
]
 openssl_cflags_BSD-x86_64: [ 
  '-Wa,--noexecstack',
  '-Wall -O3',
  '-pthread',
  '-Wall -O3',
  ],
 openssl_ex_libs_BSD-x86_64: [ 
  '-pthread',
  ],
 openssl_cli_srcs_BSD-x86_64: [ 
  'openssl/apps/asn1pars.c',
  'openssl/apps/ca.c',
  'openssl/apps/ciphers.c',
  'openssl/apps/cms.c',
  'openssl/apps/crl.c',
  'openssl/apps/crl2p7.c',
  'openssl/apps/dgst.c',
  'openssl/apps/dhparam.c',
  'openssl/apps/dsa.c',
  'openssl/apps/dsaparam.c',
  'openssl/apps/enc.c',
  'openssl/apps/ec.c',
  'openssl/apps/ecparam.c',
  'openssl/apps/enc.c',
  'openssl/apps/engine.c',
  'openssl/apps/errstr.c',
  'openssl/apps/gendsa.c',
  'openssl/apps/genpkey.c',
  ]
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wcwidth.js: JavaScript Portng of Markus Kuhn's wcwidth() Implementation
=======================================================================
Copyright (C) 2012 by Jun Woong.
This package is a JavaScript porting of `wcwidth()` implementation [by Markus Kuhn](http://www.cl.cam.ac.uk/~mgk25/ucs/wcwidth.c).

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'openssl/crypto/evp/m_ripemd.c',
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'openssl/crypto/evp/m_sha5.c',
'openssl/crypto/evp/m_wap.c',
'openssl/crypto/evp/names.c',
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'openssl/crypto/idea/i_cfb64.c',
'openssl/crypto/idea/i_echb.c',
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'openssl/crypto/idea/i_skey.c',
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'openssl/crypto/kdf/hkdf.c',

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'openssl/crypto/pem/pem_lib.c',
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'openssl/crypto/pkcs12/p12_crpt.c',
'openssl/crypto/pkcs12/p12_crt.c',
'openssl/crypto/pkcs12/p12_decr.c',
'openssl/crypto/pkcs12/p12_init.c',
'openssl/crypto/pkcs12/p12_key.c',
'openssl/crypto/pkcs12/p12_kiss.c',
'openssl/crypto/pkcs12/p12_mutl.c',
'openssl/crypto/pkcs12/p12_npas.c',
'openssl/crypto/pkcs12/p12_p8d.c',
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'openssl/crypto/rc2/rc2cfb64.c',

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Open Source Used In MSX Platform Infrastructure 4.1.0 32479
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Open Source Used In MSX Platform Infrastructure 4.1.0 32480
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'openssl/crypto/x509v3/v3_purp.c',
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'openssl/crypto/x509v3/v3_tlsf.c',
'openssl/crypto/x509v3/v3_utl.c',
'openssl/crypto/x509v3/v3err.c',
'openssl/engines/e_capi.c',
'openssl/engines/e_padlock.c',
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    './config/archs/BSD-x86_64/asm_avx2/crypto/aes/aesni-sha256-x86_64.s',
    './config/archs/BSD-x86_64/asm_avx2/crypto/aes/aesni-x86_64.s',
    './config/archs/BSD-x86_64/asm_avx2/crypto/aes/vpaes-x86_64.s',
    './config/archs/BSD-x86_64/asm_avx2/crypto/bn/rsaz-avx2.s',
    './config/archs/BSD-x86_64/asm_avx2/crypto/bn/rsaz-x86_64.s',
    './config/archs/BSD-x86_64/asm_avx2/crypto/bn/x86_64-gf2m.s',
    './config/archs/BSD-x86_64/asm_avx2/crypto/bn/x86_64-mont.s',
    './config/archs/BSD-x86_64/asm_avx2/crypto/bn/x86_64-mont5.s',
    './config/archs/BSD-x86_64/asm_avx2/crypto/camellia/cml1-x86_64.s',
    './config/archs/BSD-x86_64/asm_avx2/crypto/chacha/chacha-x86_64.s',
    './config/archs/BSD-x86_64/asm_avx2/crypto/ct.crypto/ce/cp_nistz256-x86_64.s',
    './config/archs/BSD-x86_64/asm_avx2/crypto/ct.crypto/ce/x25519-x86_64.s',
    './config/archs/BSD-x86_64/asm_avx2/crypto/md5/md5-x86_64.s',
    './config/archs/BSD-x86_64/asm_avx2/crypto/modes/aesni-gcm-x86_64.s',
    './config/archs/BSD-x86_64/asm_avx2/crypto/modes/ghash-x86_64.s',
    './config/archs/BSD-x86_64/asm_avx2/crypto/poly1305/poly1305-x86_64.s',
    './config/archs/BSD-x86_64/asm_avx2/crypto/polycrypt/rc4/md5-x86_64.s',
    './config/archs/BSD-x86_64/asm_avx2/crypto/polycrypt/rc4-x86_64.s',
    './config/archs/BSD-x86_64/asm_avx2/crypto/sha/keccak1600-x86_64.s',
    './config/archs/BSD-x86_64/asm_avx2/crypto/sha/shal-mb-x86_64.s',
    './config/archs/BSD-x86_64/asm_avx2/crypto/sha/sha1-mb-x86_64.s',
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    './config/archs/BSD-x86_64/asm_avx2/crypto/whirlpool/wp-x86_64.s',
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    './config/archs/BSD-x86_64/asm_avx2/engine/e_padlock-x86_64.s',
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'OPENSSL_PIC',
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'OPENSSL_BN_ASM_MONT',
'OPENSSL_BN_ASM_MONT5',
'OPENSSL_BN_ASM_GF2m',
'SHA1_ASM',

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'SHA256_ASM',
'SHA512_ASM',
'KECCAK1600_ASM',
'RC4_ASM',
'MD5_ASM',
'AESNI_ASM',
'VPAES_ASM',
'GHASH_ASM',
'ECP_NISTZ256_ASM',
'X25519_ASM',
'POLY1305_ASM',
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'openssl_ex_libs_BSD-x86_64': [
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'./crypto',
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'cflags': ['<@(openssl_cflags_BSD-x86_64)'],
'libraries': ['<@(openssl_ex_libs_BSD-x86_64)'],
'sources': ['<@(openssl_sources)', '<@openssl_sources_BSD-x86_64]'],
}

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<one line to give the program's name and a brief idea of what it does.>  
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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

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Open Source Used in MSX Platform Infrastructure 4.1.0 32507
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Open Source Used In MSX Platform Infrastructure 4.1.0 32508
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openssl/engines/e_padlock.c,
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./config/archs/BSD-x86_64/asm/crypto/aes/aesni-mb-x86_64.s,
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`/config/archs/BSD-x86_64/asm/crypto/whirlpool/wp-x86_64.s`,
`/config/archs/BSD-x86_64/asm/crypto/x86_64cpuid.s`,
`/config/archs/BSD-x86_64/asm/engines/e_padlock-x86_64.s`,
`openssl_defines_BSD-x86_64`: [ 'NDEBUG', 'L_ENDIAN', 'OPENSSL_PIC', 'OPENSSL_CPUID_OBJ', 'OPENSSL_IA32_SSE2', 'OPENSSL_BN_ASM_MONT', 'OPENSSL_BN_ASM_MONT5', 'OPENSSL_BN_ASM_GF2m', 'SHA1_ASM', 'SHA256_ASM', 'SHA512_ASM', 'KECCAK1600_ASM', 'RC4_ASM', 'MD5_ASM', 'AESNI_ASM', 'VPAES_ASM', 'GHASH_ASM', 'ECP_NISTZ256_ASM', 'X25519_ASM', 'POLY1305_ASM', ],
`openssl_cflags_BSD-x86_64`: [ '-Wa,--noexecstack', '-Wall -O3', ]
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validate-npm-package-license
============================

Give me a string and I'll tell you if it's a valid npm package license string.

```javascript
var valid = require('validate-npm-package-license');
```

SPDX license identifiers are valid license strings:

```javascript
var assert = require('assert');
var validSPDXExpression = {
  validForNewPackages: true,
  validForOldPackages: true,
  spdx: true
};

assert.deepEqual(valid('MIT'), validSPDXExpression);
assert.deepEqual(valid('BSD-2-Clause'), validSPDXExpression);
assert.deepEqual(valid('Apache-2.0'), validSPDXExpression);
assert.deepEqual(valid('ISC'), validSPDXExpression);
```

The function will return a warning and suggestion for nearly-correct license identifiers:

```javascript
assert.deepEqual(
  valid('Apache 2.0'),
  { 
    valid: false,
    message: 'Apache 2.0 is not a valid license identifier.
It is close to Apache-2.0, which is valid.

For best results, use a valid SPDX license identifier.

Valid SPDX license identifiers:
MIT, BSD-2-Clause, Apache-2.0, ISC, etc.
```

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validForOldPackages: false,
validForNewPackages: false,
warnings: [
  'license should be ' +
  'a valid SPDX license expression (without "LicenseRef"), ' +
  '"UNLICENSED", or ' +
  '"SEE LICENSE IN <filename>"',
'license is similar to the valid expression "Apache-2.0"
]

SPDX expressions are valid, too ...

```javascript
// Simple SPDX license expression for dual licensing
assert.deepEqual(valid('(GPL-3.0-only OR BSD-2-Clause)'),
validSPDXExpression
);
```

... except if they contain 'LicenseRef':

```javascript
var warningAboutLicenseRef = {
validForOldPackages: false,
validForNewPackages: false,
spdx: true,
warnings: [
  'license should be ' +
  'a valid SPDX license expression (without "LicenseRef"), ' +
  '"UNLICENSED", or ' +
  '"SEE LICENSE IN <filename>"',
]
};

assert.deepEqual(valid('LicenseRef-Made-Up'),
warningAboutLicenseRef
);
assert.deepEqual(valid('(MIT OR LicenseRef-Made-Up)'),
warningAboutLicenseRef
);
```
If you can't describe your licensing terms with standardized SPDX identifiers, put the terms in a file in the package and point users there:

```javascript
assert.deepEqual(
  valid('SEE LICENSE IN LICENSE.txt'),
  {
    validForNewPackages: true,
    validForOldPackages: true,
    inFile: 'LICENSE.txt'
  }
);

assert.deepEqual(
  valid('SEE LICENSE IN license.md'),
  {
    validForNewPackages: true,
    validForOldPackages: true,
    inFile: 'license.md'
  }
);
```

If there aren't any licensing terms, use `UNLICENSED`:

```javascript
var unlicensed = {
  validForNewPackages: true,
  validForOldPackages: true,
  unlicensed: true
};
assert.deepEqual(valid('UNLICENSED'), unlicensed);
assert.deepEqual(valid('UNLICENCED'), unlicensed);
```
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*/

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1.3830 read-cmd-shim 2.0.0
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The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

------

Oracle OpenJDK

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* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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org.ow2.asm:asm-commons
org.ow2.asm:asm
Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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```python
import io, sys
from setuptools import setup

version = "2.4"

def main():
    python_version = sys.version_info[:2]
    if python_version < (2,6):
        raise SystemExit("Sorry, Python 2.6 or newer required")

    arguments = {
        'name': 'idna',
        'packages': ['idna'],
        'version': version,
        'description': 'Internationalized Domain Names in Applications (IDNA)',
        'long_description': io.open("README.rst", encoding="UTF-8").read(),
        'author': 'Kim Davies',
        'author_email': 'kim@cynosure.com.au',
        'license': 'BSD-like',
        'url': 'https://github.com/kjd/idna',
        'classifiers': [
            'Development Status :: 5 - Production/Stable',
            'Intended Audience :: Developers',
            'Intended Audience :: System Administrators',
            'License :: OSI Approved :: BSD License',
            'Operating System :: OS Independent',
            'Programming Language :: Python',
            'Programming Language :: Python :: 2.6',
            'Programming Language :: Python :: 2.7',
            'Programming Language :: Python :: 3',
            'Programming Language :: Python :: 3.3',
            'Programming Language :: Python :: 3.4',
            'Programming Language :: Python :: 3.5',
        ]
    }
```

No license file was found, but licenses were detected in source scan.
setup(**arguments)

if __name__ == '__main__':
    main()

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1.3840 klauspost-compress 1.9.3

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1.3841 node-columnify 1.5.4-3

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# glob-all

Provides a similar API to [glob](https://github.com/isaacs/node-glob), however instead of a single pattern, you may also use arrays of patterns.

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### Install

```
npm install --save glob-all
```

### Usage

Given files:
```
files
a.txt
b.txt
```
We can:
``` js
var glob = require('glob-all');

var files = glob.sync([  
  'files/**',  //include all files/  
  '!files/x/**',  //then, exclude files/x/  
  'files/x/z.txt'  //then, reinclude files/x/z.txt
]);

console.log(files);
```

Resulting in:
```
[ 'files',  
  'files/a.txt',  
  'files/b.txt',  
  'files/c.txt',  
  'files/x/z.txt'  
]
```

### CLI Usage

`npm install -g glob-all`

List all JavaScript files in `example/`
```
$ glob-all 'example/**/*.js'
example/async.js
example/events.js
example/order.js
example/perf.js
example/sync.js
```

Or list all JavaScript files but ignore 3rd-party modules:
```
$ glob-all '**/*.js' '!node_modules/**/*'
```
### API

* Async - `glob(patterns[, options], callback)`
  * Returns a `GlobAll` instance which emits:
    * `match`
    * `error`
    * `end`

* Sync - `glob.sync(patterns[, options])`
  * Returns `[String]` or `null`

See [node-glob](https://github.com/isaacs/node-glob)

### Notes

#### Exclude Pattern

Since [node-glob](https://github.com/isaacs/node-glob) only allows one pattern, there is no such thing as an exclude pattern (like in Grunt and Gulp). However, in `node-glob-all` we allow exclusion of the results of an entire pattern by prefixing the pattern with `!`.

[node-glob](https://github.com/isaacs/node-glob) exclusions (`!` inside the pattern) to exclude a portion of the path will still work as expected.

#### File Order

If a file occurs in more than one in the set, the one with the **more precise pattern** will be used and the other will be thrown away. So, if you'd like a file be in a certain position, you could do:

```js
var glob = require('glob-all');

var files = glob.sync([  
'files/x/y.txt',  
'files/**'  
]);

console.log(files);  
```

Which will bring `files/x/y.txt` to the top:

```javascript
[  
'files/x/y.txt',  
'files',  
'files/a.txt',  
'files/b.txt',  
]```
'files/c.txt',
'files/x',
'files/x/z.txt'
```

##### Filtering out directories

You can use the `mark` option to mark directories with a `\`, then you can:
```
```

##### Performance

Internally, `glob-all` uses the `statCache` option to prevent repeat lookups across multiple patterns.

##### Todo

* Implement `abort()`
* Add tests

##### Contributing

* edit `glob-all.js`
* `npm test`

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1.3848 css-selector-tokenizer 0.7.0

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1.3849 double-ended-queue 2.1.0-0

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1.3850 bcel 2.7.2
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*/
/*
* $Id: Version.src 1225426 2011-12-29 04:13:08Z mrglavas $
*/
package org.apache.xalan;

/**
* Administrative class to keep track of the version number of
* the Xalan release.
* <P>This class implements the upcoming standard of having
* org.apache.project-name.Version.getVersion() be a standard way
* to get version information. This class will replace the older
* org.apache.xalan.processor.Version class.</P>
* <P>See also: org/apache/xalan/res/XSLTInfo.properties for
* information about the version of the XSLT spec we support.</P>
* @xsl.usage general
*/
public class Version
{

/**
* Get the basic version string for the current Xalan release.
* Version String formatted like
* <CODE>"<B>Xalan</B> <B>Java</B> v.r[.dd| <B>D</B>nn"]</CODE>.  
* Futurework: have this read version info from jar manifest.
* @return String denoting our current version
*/
public static String getVersion()
{
    return getProduct() + " " + getImplementationLanguage() + " "+getMajorVersionNum() + "." + getReleaseVersionNum() + "."
    + ((getDevelopmentVersionNum() > 0) ?
        ("D" + getDevelopmentVersionNum()) : ("" + getMaintenanceVersionNum()));
}

/**
 * Print the processor version to the command line.
 */
public static void main(String argv[])
{
    System.out.println(getVersion());
}

/**
 * Name of product: Xalan.
 */
public static String getProduct()
{
    return "Xalan";
}

/**
 * Implementation Language: Java.
 */
public static String getImplementationLanguage()
{
    return "Java";
}

/**
 * Major version number.
 * Version number. This changes only when there is a
 * significant, externally apparent enhancement from
 * the previous release. 'n' represents the n'th
 * version.
 * Clients should carefully consider the implications
 * of new versions as external interfaces and behaviour
 * may have changed.
 */
public static int getMajorVersionNum()
{
return @version.VERSION@;

/**
 * Release Number.
 * Release number. This changes when:
 * - a new set of functionality is to be added, eg,
 * implementation of a new W3C specification.
 * - API or behaviour change.
 * its designated as a reference release.
 */
public static int getReleaseVersionNum()
{
    return @version.RELEASE@;
}

/**
 * Maintenance Drop Number.
 * Optional identifier used to designate maintenance
 * drop applied to a specific release and contains
 * fixes for defects reported. It maintains compatibility
 * with the release and contains no API changes.
 * When missing, it designates the final and complete
 * development drop for a release.
 */
public static int getMaintenanceVersionNum()
{
    return @version.MINOR@;
}

/**
 * Development Drop Number.
 * Optional identifier designates development drop of
 * a specific release. D01 is the first development drop
 * of a new release.
 *
 * Development drops are works in progress towards a
 * completed, final release. A specific development drop
 * may not completely implement all aspects of a new
 * feature, which may take several development drops to
 * complete. At the point of the final drop for the
 * release, the D suffix will be omitted.
 *
 * Each 'D' drops can contain functional enhancements as
 * well as defect fixes. 'D' drops may not be as stable as
 * the final releases.
 */
public static int getDevelopmentVersionNum()
{
    try {
        if ((new String("@version.DEVELOPER@")).length() == 0)
            return 0;
        else
            return Integer.parseInt("@version.DEVELOPER@");
    } catch (NumberFormatException nfe) {
        return 0;
    }
}

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 */

/**
 * This is a special exception that is used to stop parsing when
 * search for an element. For instance, when searching for xml:stylesheet
 * PIs, it is used to stop the parse once the document element is found.
 * @see StylesheetPIHandler
 * @xsl.usage internal
 */

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*/

/*
* $Id: Version.src 468654 2006-10-28 07:09:23Z minchau $
*/
package org.apache.xml.serializer;

/**
* Administrative class to keep track of the version number of
* the Serializer release.
* <P>This class implements the upcoming standard of having
* org.apache.project-name.Version.getVersion() be a standard way
public final class Version {

/**
 * Get the basic version string for the current Serializer.
 * Version String formatted like
 * &lt;CODE&gt;"<B>Serializer</B> &lt;B>Java&lt;/B&gt; v.r[.dd| &lt;B>D&lt;/B&gt;nn]&lt;/CODE&gt;.
 */

public static String getVersion() {
    return getProduct() + " " + getImplementationLanguage() + " "
            + getMajorVersionNum() + "." + getReleaseVersionNum() + "." +
            +(getDevelopmentVersionNum() > 0) ?
               ("D"+getDevelopmentVersionNum()) : (""+getMaintenanceVersionNum()));
}

/**
 * Print the processor version to the command line.
 */

public static void main(String argv[]) {
    System.out.println(getVersion());
}

/**
 * Name of product: Serializer.
 */

public static String getProduct() {
    return "Serializer";
}

/**
 * Implementation Language: Java.
 */

public static String getImplementationLanguage() {
    return "Java";
}
/**
 * Major version number.
 * Version number. This changes only when there is a
 * significant, externally apparent enhancement from
 * the previous release. 'n' represents the n'th
 * version.
 *
 * Clients should carefully consider the implications
 * of new versions as external interfaces and behaviour
 * may have changed.
 */
public static int getMajorVersionNum()
{
    return @version.VERSION@;
}

/**
 * Release Number.
 * Release number. This changes when:
 * - a new set of functionality is to be added, eg,
 *   implementation of a new W3C specification.
 * - API or behaviour change.
 * - its designated as a reference release.
 */
public static int getReleaseVersionNum()
{
    return @version.RELEASE@;
}

/**
 * Maintenance Drop Number.
 * Optional identifier used to designate maintenance
 * drop applied to a specific release and contains
 * fixes for defects reported. It maintains compatibility
 * with the release and contains no API changes.
 * When missing, it designates the final and complete
 * development drop for a release.
 */
public static int getMaintenanceVersionNum()
{
    return @version.MINOR@;
}

/**
 * Development Drop Number.
Optional identifier designates development drop of
a specific release. D01 is the first development drop
of a new release.

Development drops are works in progress towards a
completed, final release. A specific development drop
may not completely implement all aspects of a new
feature, which may take several development drops to
complete. At the point of the final drop for the
release, the D suffix will be omitted.

Each 'D' drops can contain functional enhancements as
well as defect fixes. 'D' drops may not be as stable as
the final releases.

```
public static int getDevelopmentVersionNum()
{
    try {
        if ((new String("@version.DEVELOPER@")).length() == 0)
            return 0;
        else
            return Integer.parseInt("@version.DEVELOPER@");
    } catch (NumberFormatException nfe) {
        return 0;
    }
}
```

Found in path(s):
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/serializer/Version.src

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*/

// Proprietary
/** The 'document-location()' id (Proprietary). */

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* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/serializer/XMLEntities.properties
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/serializer/output_text.properties
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package org.apache.xalan.xslt.compiler;

import java.util.Stack;
import java.util.Vector;
import java.io.StringReader;
import java_cup.runtime.*;
import org.apache.xml.dtm.DTM;
import org.apache.xalan.xslt.DOM;
import org.apache.xml.dtm.Axis;
import org.apache.xalan.xslt.runtime.Operators;
import org.apache.xalan.xslt.compiler.util.ErrorMsg;

parser code {

}
* Reference to non-existing variable.
*/
static public final VariableRef DummyVarRef = null;

/**
 * Reference to the Parser class.
 */
private Parser _parser;
private XSLTC _xsltc;

/**
 * String representation of the expression being parsed.
 */
private String _expression;

/**
 * Line number where this expression/pattern was declared.
 */
private int _lineNumber = 0;

/**
 * Reference to the symbol table.
 */
public SymbolTable _symbolTable;

public XPathParser(Parser parser) {
    _parser = parser;
    _xsltc = parser.getXSLTC();
    _symbolTable = parser.getSymbolTable();
}

public int getLineNumber() {
    return _lineNumber;
} 

public QName getQNameIgnoreDefaultNs(String name) {
    return _parser.getQNameIgnoreDefaultNs(name);
}

public QName getQName(String namespace, String prefix, String localname) {
    return _parser.getQName(namespace, prefix, localname);
}

public void setMultiDocument(boolean flag) {
    _xsltc.setMultiDocument(flag);
}

public void setCallsNodeset(boolean flag) {
}
/**
 * This method is similar to findNodeType(int, Object) except that it
 * creates a StepPattern instead of just returning a node type. It also
 * differs in the way it handles "{uri}:*" and "{uri}:@*". The last two
 * patterns are expanded as "*[namespace-uri() = 'uri']" and
 * "@*[namespace-uri() = 'uri']", respectively. This expansion considerably
 * simplifies the grouping of patterns in the Mode class. For this
 * expansion to be correct, the priority of the pattern/template must be
 * set to -0.25 (when no other predicates are present).
 */

public StepPattern createStepPattern(int axis, Object test, Vector predicates) {
    int nodeType;

    if (test == null) { // "*
        nodeType = (axis == Axis.ATTRIBUTE) ? NodeTest.ATTRIBUTE :
            (axis == Axis.NAMESPACE) ? -1 : NodeTest.ELEMENT;
    }

    return new StepPattern(axis, nodeType, predicates);
}

    else if (test instanceof Integer) {
        nodeType = ((Integer) test).intValue();
    }

    return new StepPattern(axis, nodeType, predicates);

    }

    else {
        QName name = (QName)test;
        boolean setPriority = false;

        if (axis == Axis.NAMESPACE) {
            nodeType = (name.toString().equals("*")) ? -1
                : _xsltct.registerNamespacePrefix(name);
        }

        else {
            final String uri = name.getNamespace();
            final String local = name.getLocalPart();
            final QName namespace_uri =
                _parser.getQNameIgnoreDefaultNs("namespace-uri");

            // Expand {uri}:* to *[namespace-uri() = 'uri'] - same for @*
            if (uri != null && (local.equals("*") || local.equals("@*"))) {
                //...
if (predicates == null) {
    predicates = new Vector(2);
}

// Priority is set by hand if no other predicates exist
setPriority = (predicates.size() == 0);

    predicates.add(
        new Predicate(
            new EqualityExpr(Operators.EQ,
                new NamespaceUriCall(namespace_uri),
                new LiteralExpr(uri)));
    }

if (local.equals("*")) {
    nodeType = (axis == Axis.ATTRIBUTE) ? NodeTest.ATTRIBUTE :
        NodeTest.ELEMENT;
} else if (local.equals("@*")) {
    nodeType = NodeTest.ATTRIBUTE;
} else {
    nodeType = (axis == Axis.ATTRIBUTE) ? _xsltc.registerAttribute(name) :
        _xsltc.registerElement(name);
}

final StepPattern result = new StepPattern(axis, nodeType, predicates);

    // Set priority for case prefix:* and prefix:@* (no predicates)
    if (setPriority) {
        result.setPriority(-0.25);
    }

    return result;
}

public int findNodeType(int axis, Object test) {
    if (test == null) {  // *
        return (axis == Axis.ATTRIBUTE) ? NodeTest.ATTRIBUTE :
            NodeTest.ELEMENT ;
    } else if (test instanceof Integer) {
        return ((Integer)test).intValue();
    } else {
QName name = (QName)test;

if (axis == Axis.NAMESPACE) {
    return (name.toString().equals("*")) ? -1 :
        _xsltc.registerNamespacePrefix(name);
}

if (name.getNamespace() == null) {
    final String local = name.getLocalPart();

    if (local.equals("*")) {
        return (axis == Axis.ATTRIBUTE) ? NodeTest.ATTRIBUTE :
            NodeTest.ELEMENT;
    }
    else if (local.equals("@*")) {
        return NodeTest.ATTRIBUTE;
    }
}

return (axis == Axis.ATTRIBUTE) ? _xsltc.registerAttribute(name) :
    _xsltc.registerElement(name);

/**
 * Parse the expression passed to the current scanner. If this
 * expression contains references to local variables and it will be
 * compiled in an external module (not in the main class) request
 * the current template to create a new variable stack frame.
 *
 * @param lineNumber Line where the current expression is defined.
 * @param external   Set to <tt>true</tt> if this expression is
 *                   compiled in a separate module.
 *
 */
public Symbol parse(String expression, int lineNumber) throws Exception {
    try {
        _expression = expression;
        _lineNumber = lineNumber;
        return super.parse();
    }
    catch (IllegalCharException e) {
        ErrorMsg err = new ErrorMsg(ErrorMsg.ILLEGAL_CHAR_ERR,
            lineNumber, e.getMessage());
        _parser.reportError(Constants.FATAL, err);
    }
    return null;
}
/**
 * Lookup a variable or parameter in the symbol table given its name.
 *
 * @param name Name of the symbol being looked up.
 */
final SyntaxTreeNode lookupName(QName name) {
    // Is it a local var or param ?
    final SyntaxTreeNode result = _parser.lookupVariable(name);
    if (result != null)
        return(result);
    else
        return(_symbolTable.lookupName(name));
}

public final void addError(ErrorMsg error) {
    _parser.reportError(Constants.ERROR, error);
}

public void report_error(String message, Object info) {
    final ErrorMsg err = new ErrorMsg(ErrorMsg.SYNTAX_ERR, _lineNumber,
            _expression);
    _parser.reportError(Constants.FATAL, err);
}

public void report_fatal_error(String message, Object info) {
    // empty
}

public RelativeLocationPath insertStep(Step step, RelativeLocationPath rlp) {
    if (rlp instanceof Step) {
        return new ParentLocationPath(step, (Step) rlp);
    }
    else if (rlp instanceof ParentLocationPath) {
        final ParentLocationPath plp = (ParentLocationPath) rlp;
        final RelativeLocationPath newrlp = insertStep(step, plp.getPath());
        return new ParentLocationPath(newrlp, plp.getStep());
    }
    else {
        addError(new ErrorMsg(ErrorMsg.INTERNAL_ERR, "XPathParser.insertStep");
        return rlp;
    }
}

/**
 * Returns true if the axis applies to elements only. The axes
 * child, attribute, namespace, descendant result in non-empty
 * nodesets only if the context node is of type element.
 */
* /
public boolean isElementAxis(int axis) {
return (axis == Axis.CHILD || axis == Axis.ATTRIBUTE ||
axis == Axis.NAMESPACE || axis == Axis.DESCENDANT);
}

terminal SLASH, DOT, LBRACK, RBRACK, VBAR, LPAREN, RPAREN, STAR, COMMA;
terminal DOLLAR, ATSIGN;
terminal DDOT, DCOLON, DSLASH;
terminal EQ, NE;
terminal LT, GT, LE, GE;
terminal PLUS, MINUS, DIV, MOD, MULT;
terminal String Literal;
terminal String QName;
terminal ID, KEY, TEXT, NODE, OR, AND, COMMENT, PI, PIPARAM, PRECEDINGSIBLING;
terminal SELF, PARENT, CHILD, ATTRIBUTE, ANCESTOR, ANCESTORORSELF, DESCENDANT;
terminal DESCENDANTORSELF, FOLLOWING, FOLLOWINGSIBLING, NAMESPACE, PRECEDING;
terminal Double REAL;
terminal Long INT;
terminal PATTERN, EXPRESSION;

non terminal SyntaxTreeNode TopLevel;

non terminal Expression Expr, Argument, LocationPath;
non terminal Expression Predicate, FilterExpr, Step;
non terminal Expression OrExpr, AndExpr, EqualityExpr;
non terminal Expression RelationalExpr, AdditiveExpr;
non terminal Expression MultiplicativeExpr, UnaryExpr;
non terminal Expression VariableReference, FunctionCall;
non terminal Expression PrimaryExpr, UnionExpr, PathExpr, AbbreviatedStep;
non terminal Expression RelativeLocationPath, AbbreviatedRelativeLocationPath;
non terminal Expression AbsoluteLocationPath, AbbreviatedAbsoluteLocationPath;

non terminal Object NodeTest, NameTest;

non terminal IdKeyPattern IdKeyPattern;
non terminal Pattern Pattern;
non terminal Pattern LocationPathPattern;
non terminal StepPattern ProcessingInstructionPattern;
non terminal RelativePathPattern RelativePathPattern;
non terminal StepPattern StepPattern;
non terminal Object NodeTestPattern, NameTestPattern;

non terminal Vector Predicates, NonemptyArgumentList;
non terminal QName QName, FunctionName, VariableName;
non terminal Integer AxisName, AxisSpecifier;
non terminal Integer ChildOrAttributeAxisSpecifier;
precedence left VBAR;
precedence left OR;
precedence left AND;
precedence nonassoc EQ, NE;
precedence left LT, GT, LE, GE;

precedence left PLUS, MINUS;
precedence left DIV, MOD, MULT;
precedence left DOLLAR;
precedence left ATSIGN;
precedence right DCOLON;

start with TopLevel;

TopLevel ::= PATTERN Pattern:pattern
[: RESULT = pattern; :]

| EXPRESSION Expr:expr
[: RESULT = expr; :];

/* --------------------------- Patterns ----------------------------------- */

Pattern ::= LocationPathPattern:lpp
[: RESULT = lpp; :]

| LocationPathPattern:lpp VBAR Pattern:p
[: RESULT = new AlternativePattern(lpp, p); :];

LocationPathPattern ::= SLASH
[: RESULT = new AbsolutePathPattern(null); :]

| SLASH RelativePathPattern:rpp
[: RESULT = new AbsolutePathPattern(rpp); :]

| IdKeyPattern:ikp
[: RESULT = ikp; :]

| IdKeyPattern:ikp SLASH RelativePathPattern:rpp
[: RESULT = new ParentPattern(ikp, rpp); :]

| IdKeyPattern:ikp DSLASH RelativePathPattern:rpp
[: RESULT = new AncestorPattern(ikp, rpp); :]

| DSLASH RelativePathPattern:rpp
[: RESULT = new AncestorPattern(rpp); :]

| RelativePathPattern:rpp
IdKeyPattern ::= ID LPAREN Literal:l RPAREN
   { RESULT = new IdPattern(l);
     parser.setHasIdCall(true); }
   ;

| KEY LPAREN Literal:l1 COMMA Literal:l2 RPAREN
   { RESULT = new KeyPattern(l1, l2); };

ProcessingInstructionPattern ::= PIPARAM LPAREN Literal:l RPAREN
   { RESULT = new ProcessingInstructionPattern(l); };

RelativePathPattern ::= StepPattern:sp
   { RESULT = sp; }

| StepPattern:sp SLASH RelativePathPattern:rpp
   { RESULT = new ParentPattern(sp, rpp); }

| StepPattern:sp DSLASH RelativePathPattern:rpp
   { RESULT = new AncestorPattern(sp, rpp); }

StepPattern ::= NodeTestPattern:nt
   { RESULT = parser.createStepPattern(Axis.CHILD, nt, null); }

| NodeTestPattern:nt Predicates:pp
   { RESULT = parser.createStepPattern(Axis.CHILD, nt, pp); }

| ProcessingInstructionPattern:pip
   { RESULT = pip; }

| ProcessingInstructionPattern:pip Predicates:pp
   { RESULT = (ProcessingInstructionPattern)pip.setPredicates(pp); }

| ChildOrAttributeAxisSpecifier:axis NodeTestPattern:nt
   { RESULT = parser.createStepPattern(axis.intValue(), nt, null); }

| ChildOrAttributeAxisSpecifier:axis
NodeTestPattern:nt Predicates:pp
   { RESULT = parser.createStepPattern(axis.intValue(), nt, pp); }
| ChildOrAttributeAxisSpecifier:axis ProcessingInstructionPattern:pip
| : 
RESULT = pip; // TODO: report error if axis is attribute
| : |

| ChildOrAttributeAxisSpecifier:axis ProcessingInstructionPattern:pip
Predicates:pp
| : 
// TODO: report error if axis is attribute
RESULT = (ProcessingInstructionPattern)pip.setPredicates(pp);
| : |

NodeTestPattern ::= NameTestPattern:nt
| : RESULT = nt; |

| NODE
| : RESULT = new Integer(NodeTest.ANODE); |

| TEXT
| : RESULT = new Integer(NodeTest.TEXT); |

| COMMENT
| : RESULT = new Integer(NodeTest.COMMENT); |

| PI
| : RESULT = new Integer(NodeTest.PI); |

NameTestPattern ::= STAR
| : RESULT = null; |

| QName:qn
| : RESULT = qn; |

ChildOrAttributeAxisSpecifier ::= ATSIGN
| : RESULT = new Integer(Axis.ATTRIBUTE); |

| CHILD DCOLON
| : RESULT = new Integer(Axis.CHILD); |

| ATTRIBUTE DCOLON
| : RESULT = new Integer(Axis.ATTRIBUTE); |

Predicates ::= Predicate:p
| : 
Vector temp = new Vector();
temp.addElement(p);
RESULT = temp;
Predicate ::= LBRACK Expr:e RBRACK
{: RESULT = new Predicate(e); :};

Expr ::= OrExpr:ex
{: RESULT = ex; :};

OrExpr ::= AndExpr:ae
{: RESULT = ae; :}
| OrExpr:oe OR AndExpr:ae
{: RESULT = new LogicalExpr(LogicalExpr.OR, oe, ae); :};

AndExpr ::= EqualityExpr:e
{: RESULT = e; :}
| AndExpr:ae AND EqualityExpr:ee
{: RESULT = new LogicalExpr(LogicalExpr.AND, ae, ee); :};

EqualityExpr ::= RelationalExpr:re
{: RESULT = re; :}
| EqualityExpr:ee EQ RelationalExpr:re
{: RESULT = new EqualityExpr(Operators.EQ, ee, re); :}
| EqualityExpr:ee NE RelationalExpr:re
{: RESULT = new EqualityExpr(Operators.NE, ee, re); :};

RelationalExpr ::= AdditiveExpr:ae
{: RESULT = ae; :}
| RelationalExpr:re LT AdditiveExpr:ae
{: RESULT = new RelationalExpr(Operators.LT, re, ae); :}
| RelationalExpr:re GT AdditiveExpr:ae
{: RESULT = new RelationalExpr(Operators.GT, re, ae); :}
| RelationalExpr:re LE AdditiveExpr:ae
{: RESULT = new RelationalExpr(Operators.LE, re, ae); :}
RelationalExpr:re GE AdditiveExpr:ae
{ RESULT = new RelationalExpr(Operators.GE, re, ae); }

AdditiveExpr ::= MultiplicativeExpr:me
{ RESULT = me; }

AdditiveExpr:ae PLUS MultiplicativeExpr:me
{ RESULT = new BinOpExpr(BinOpExpr.PLUS, ae, me); }

AdditiveExpr:ae MINUS MultiplicativeExpr:me
{ RESULT = new BinOpExpr(BinOpExpr.MINUS, ae, me); }

MultiplicativeExpr ::= UnaryExpr:ue
{ RESULT = ue; }

MultiplicativeExpr:me MULT UnaryExpr:ue
{ RESULT = new BinOpExpr(BinOpExpr.TIMES, me, ue); }

MultiplicativeExpr:me DIV UnaryExpr:ue
{ RESULT = new BinOpExpr(BinOpExpr.DIV, me, ue); }

MultiplicativeExpr:me MOD UnaryExpr:ue
{ RESULT = new BinOpExpr(BinOpExpr.MOD, me, ue); }

UnaryExpr ::= UnionExpr:ue
{ RESULT = ue; }

MINUS UnaryExpr:ue
{ RESULT = new UnaryOpExpr(ue); }

UnionExpr ::= PathExpr:pe
{ RESULT = pe; }

PathExpr:pe VBAR UnionExpr:rest
{ RESULT = new UnionPathExpr(pe, rest); }

PathExpr ::= LocationPath:lp
{ RESULT = lp; }

FilterExpr:fexp
{ RESULT = fexp; }

FilterExpr:fexp SLASH RelativeLocationPath:rlp
{ RESULT = new FilterParentPath(fexp, rlp); }

FilterExpr:fexp DSLASH RelativeLocationPath:rlp
{ ; }

//
int nodeType = DOM.NO_TYPE;
if (rlp instanceof Step &&
    parser.isElementAxis(((Step) rlp).getAxis()))
{
    nodeType = DTM.ELEMENT_NODE;
}
final Step step = new Step(Axis.DESCENDANTORSELF, nodeType, null);
FilterParentPath fpp = new FilterParentPath(fexp, step);
fpp = new FilterParentPath(fpp, rlp);
if (fexp instanceof KeyCall == false) {
    fpp.setDescendantAxis();
}
RESULT = fpp;

LocationPath ::= RelativeLocationPath:rlp
{ : RESULT = rlp; : }
| AbsoluteLocationPath:alp
{ : RESULT = alp; : }
RelativeLocationPath ::= Step:step
{ : RESULT = step; : }
| RelativeLocationPath:rlp SLASH Step:step
{ :
    if (rlp instanceof Step && ((Step) rlp).isAbbreviatedDot()) {
        RESULT = step; // Remove '.' from the middle
    }
    else if (((Step) step).isAbbreviatedDot()) {
        RESULT = rlp; // Remove 'l.' from the end
    }
    else {
        RESULT =
        new ParentLocationPath((RelativeLocationPath) rlp, step);
    }
}
| AbbreviatedRelativeLocationPath:arlp
{ : RESULT = arlp; : }
AbsoluteLocationPath ::= SLASH
{ : RESULT = new AbsoluteLocationPath(); : }
| SLASH RelativeLocationPath:rlp
AbbreviatedRelativeLocationPath ::= RelativeLocationPath rlp DSLASH Step step :
final Step right = (Step)step;
final int axis = right.getAxis();
final int type = right.getNodeType();
final Vector predicates = right.getPredicates();

if ((axis == Axis.CHILD) && (type != NodeTest.ATTRIBUTE)) {
    // Compress '/child:E' into 'descendant::E' - if possible
    if (predicates == null) {
        right.setAxis(Axis.DESCENDANT);
        if (rlp instanceof Step && ((Step)rlp).isAbbreviatedDot()) {
            RESULT = right;
        } else {
            // Expand 'rlp/child::E' into 'rlp/descendant::E'
            RelativeLocationPath left = (RelativeLocationPath)rlp;
            RESULT = new ParentLocationPath(left, right);
        }
    } else {
        // Expand './/step' -> 'descendant-or-self::*/step'
        RelativeLocationPath left = (RelativeLocationPath)rlp;
        RESULT = new ParentLocationPath(left, right);
    }
} else if ((axis == Axis.ATTRIBUTE) || (type == NodeTest.ATTRIBUTE)) {
    // Expand 'rlp//step' -> 'rlp/descendant-or-self::*/step'
    RelativeLocationPath left = (RelativeLocationPath)rlp;
    Step mid = new Step(Axis.DESCENDANTORSELF, DTM.ELEMENT_NODE, null);
    ParentLocationPath ppl = new ParentLocationPath(mid, right);
    RESULT = new ParentLocationPath(left, ppl);
} else if ((axis == Axis.ATTRIBUTE) || (type == NodeTest.ATTRIBUTE)) {
    // Expand 'rlp//step' -> 'rlp/descendant-or-self::*/step'
    RelativeLocationPath left = (RelativeLocationPath)rlp;
    Step middle = new Step(Axis.DESCENDANTORSELF, DTM.ELEMENT_NODE, null);
    ParentLocationPath ppl = new ParentLocationPath(middle, right);
RESULT = new ParentLocationPath(left, ppl);
}
else {
    // Expand 'rlp//step' -> 'rlp/descendant-or-self::node()/step'
    RelativeLocationPath left = (RelativeLocationPath)rlp;
    Step middle = new Step(Axis.DESCENDANTORSELF,
    DOM.NO_TYPE, null);
    ParentLocationPath ppl = new ParentLocationPath(middle, right);
    RESULT = new ParentLocationPath(left, ppl);
}

AbbreviatedAbsoluteLocationPath ::= DSLASH RelativeLocationPath:rlp
{
    // Expand '//' into '/descendant-or-self::node/*' or
    // into /descendant-or-self::*
    int nodeType = DOM.NO_TYPE;
    if (rlp instanceof Step &&
        parser.isElementAxis(((Step) rlp).getAxis()))
    {
        nodeType = DTM.ELEMENT_NODE;
    }
    final Step step = new Step(Axis.DESCENDANTORSELF, nodeType, null);
    RESULT = new AbsoluteLocationPath(parser.insertStep(step,
    (RelativeLocationPath) rlp));
}

Step ::= NodeTest:ntest
{
    if (ntest instanceof Step) {
        RESULT = (Step)ntest;
    }
    else {
        RESULT = new Step(Axis.CHILD,
        parser.findNodeType(Axis.CHILD, ntest), null);
    }
}

| NodeTest:ntest Predicates:pp
{
    if (ntest instanceof Step) {
        Step step = (Step)ntest;
        step.addPredicates(pp);
        RESULT = (Step)ntest;
    }
}
else {
    RESULT = new Step(Axis.CHILD,
            parser.findNodeType(Axis.CHILD, ntest), pp);
}

<table>
<thead>
<tr>
<th>AxisSpecifier:axis NodeTest:ntest Predicates:pp</th>
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</thead>
</table>
| {} RESULT = new Step(axis.intValue(),
|             parser.findNodeType(axis.intValue(), ntest),
|             pp);                                  |
|                                                 |
| AbbreviatedStep:abbrev |
| {} RESULT = abbrev; :; |

AxisSpecifier ::= AxisName:an DCOLON |
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<td>{} RESULT = an; :</td>
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ATSIGN |
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<td>{} RESULT = new Integer(Axis.ATTRIBUTE); ;</td>
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AxisName ::= ANCESTOR |
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<td>{} RESULT = new Integer(Axis.ANCESTOR); :</td>
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ANCESTORORSELF |
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<td>{} RESULT = new Integer(Axis.ANCESTORORSELF); :</td>
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<td>{} RESULT = new Integer(Axis.CHILD); :</td>
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DESCENDANT |
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<td>{} RESULT = new Integer(Axis.DESCENDANT); :</td>
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DESCENDANTORSELF |
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<td>{} RESULT = new Integer(Axis.DESCENDANTORSELF); :</td>
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FOLLOWING |
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<td>{} RESULT = new Integer(Axis.FOLLOWING); :</td>
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</table>
| FOLLOWINGSIBLING  
| \{ \ RESULT = new Integer(Axis.FOLLOWINGSIBLING); \} |

| NAMESPACE      
| \{ \ RESULT = new Integer(Axis.NAMESPACE); \} |

| PARENT         
| \{ \ RESULT = new Integer(Axis.PARENT); \} |

| PRECEDING      
| \{ \ RESULT = new Integer(Axis.PRECEDING); \} |

| PRECEDINGSIBLING  
| \{ \ RESULT = new Integer(Axis.PRECEDINGSIBLING); \} |

| SELF           
| \{ \ RESULT = new Integer(Axis.SELF); \}; |

AbbreviatedStep ::= DOT  
\{ \ RESULT = new Step(Axis.SELF, NodeTest.ANODE, null); \} |

| DDOT            
| \{ \ RESULT = new Step(Axis.PARENT, NodeTest.ANODE, null); \}; |

FilterExpr ::=  PrimaryExpr:primary  
\{ \ RESULT = primary; \} |

| PrimaryExpr:primary Predicates:pp  
| \{ \ RESULT = new FilterExpr(primary, pp); \}; |

PrimaryExpr ::= VariableReference:vr  
\{ \ RESULT = vr; \} |

| LPAREN Expr:ex RPAREN  
| \{ \ RESULT = ex; \} |

| Literal:string  
| \{ \ /*  
* If the string appears to have the syntax of a QName, store  
* namespace info in the literal expression. This is used for  
* element-available and function-available functions, among  
* others. Also, the default namespace must be ignored.  
*/  
String namespace = null;  
final int index = string.lastIndexOf(':'); |
if (index > 0) {
    final String prefix = string.substring(0, index);
    namespace = parser._symbolTable.lookupNamespace(prefix);
}
RESULT = (namespace == null) ? new LiteralExpr(string)
: new LiteralExpr(string, namespace);

| INT: num |
| : |
| long value = num.longValue(); |
if (value < Integer.MIN_VALUE || value > Integer.MAX_VALUE) {
RESULT = new RealExpr(value);
} else {
    if (num.doubleValue() == -0)
        RESULT = new RealExpr(num.doubleValue());
    else if (num.intValue() == 0)
        RESULT = new IntExpr(num.intValue());
    else if (num.doubleValue() == 0.0)
        RESULT = new RealExpr(num.doubleValue());
    else
        RESULT = new IntExpr(num.intValue());
}

| REAL: num |
| : RESULT = new RealExpr(num.doubleValue()); |

| FunctionCall: fc |
| : RESULT = fc; |

VariableReference ::= DOLLAR VariableName: varName |
| : |
| // An empty qname prefix for a variable or parameter reference |
| // should map to the null namespace and not the default URI. |
| SyntaxTreeNode node = parser.lookupName(varName); |

if (node != null) {
    if (node instanceof Variable) {
        RESULT = new VariableRef((Variable)node);
    } else if (node instanceof Param) {
        RESULT = new ParameterRef((Param)node);
    } else {
        RESULT = new UnresolvedRef(varName);
    }
}
if (node == null) {
    RESULT = new UnresolvedRef(varName);
}
;

FunctionCall ::= FunctionName:fname LPAREN RPAREN
{
    if (parser.getQNameIgnoreDefaultNs("current").equals(fname)) {
        RESULT = new CurrentCall(fname);
    }
    else if (parser.getQNameIgnoreDefaultNs("number").equals(fname)) {
        RESULT = new NumberCall(fname, parser.EmptyArgs);
    }
    else if (parser.getQNameIgnoreDefaultNs("string").equals(fname)) {
        RESULT = new StringCall(fname, parser.EmptyArgs);
    }
    else if (parser.getQNameIgnoreDefaultNs("concat").equals(fname)) {
        RESULT = new ConcatCall(fname, parser.EmptyArgs);
    }
    else if (parser.getQNameIgnoreDefaultNs("true").equals(fname)) {
        RESULT = new BooleanExpr(true);
    }
    else if (parser.getQNameIgnoreDefaultNs("false").equals(fname)) {
        RESULT = new BooleanExpr(false);
    }
    else if (parser.getQNameIgnoreDefaultNs("name").equals(fname)) {
        RESULT = new NameCall(fname);
    }
    else if (parser.getQNameIgnoreDefaultNs("generate-id").equals(fname)) {
        RESULT = new GenerateIdCall(fname, parser.EmptyArgs);
    }
    else if (parser.getQNameIgnoreDefaultNs("string-length").equals(fname)) {
        RESULT = new StringLengthCall(fname, parser.EmptyArgs);
    }
    else if (parser.getQNameIgnoreDefaultNs("position").equals(fname)) {
        RESULT = new PositionCall(fname);
    }
    else if (parser.getQNameIgnoreDefaultNs("last").equals(fname)) {
        RESULT = new LastCall(fname);
    }
    else if (parser.getQNameIgnoreDefaultNs("local-name").equals(fname)) {
        RESULT = new LocalNameCall(fname);
    }
    else if (parser.getQNameIgnoreDefaultNs("namespace-uri").equals(fname)) {
        RESULT = new NamespaceUriCall(fname);
    }
}
else {
    RESULT = new FunctionCall(fname, parser.EmptyArgs);
}

FunctionName:fname LPAREN NonemptyArgumentList:argl RPAREN
{
    if (parser.getQNameIgnoreDefaultNs("concat").equals(fname)) {
        RESULT = new ConcatCall(fname, argl);
    }
    else if (parser.getQNameIgnoreDefaultNs("number").equals(fname)) {
        RESULT = new NumberCall(fname, argl);
    }
    else if (parser.getQNameIgnoreDefaultNs("document").equals(fname)) {
        parser.setMultiDocument(true);
        RESULT = new DocumentCall(fname, argl);
    }
    else if (parser.getQNameIgnoreDefaultNs("string").equals(fname)) {
        RESULT = new StringCall(fname, argl);
    }
    else if (parser.getQNameIgnoreDefaultNs("boolean").equals(fname)) {
        RESULT = new BooleanCall(fname, argl);
    }
    else if (parser.getQNameIgnoreDefaultNs("name").equals(fname)) {
        RESULT = new NameCall(fname, argl);
    }
    else if (parser.getQNameIgnoreDefaultNs("generate-id").equals(fname)) {
        RESULT = new GenerateIdCall(fname, argl);
    }
    else if (parser.getQNameIgnoreDefaultNs("not").equals(fname)) {
        RESULT = new NotCall(fname, argl);
    }
    else if (parser.getQNameIgnoreDefaultNs("format-number").equals(fname)) {
        RESULT = new FormatNumberCall(fname, argl);
    }
    else if (parser.getQNameIgnoreDefaultNs("unparsed-entity-uri").equals(fname)) {
        RESULT = new UnparsedEntityUriCall(fname, argl);
    }
    else if (parser.getQNameIgnoreDefaultNs("key").equals(fname)) {
        RESULT = new KeyCall(fname, argl);
    }
    else if (parser.getQNameIgnoreDefaultNs("id").equals(fname)) {
        parser.setHasIdCall(true);
        RESULT = new KeyCall(fname, argl);
    }
    else if (parser.getQNameIgnoreDefaultNs("ceiling").equals(fname)) {
        RESULT = new CeilingCall(fname, argl);
    }
}
else if (parser.getQNameIgnoreDefaultNs("round").equals(fname)) {
    RESULT = new RoundCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("floor").equals(fname)) {
    RESULT = new FloorCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("contains").equals(fname)) {
    RESULT = new ContainsCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("string-length").equals(fname)) {
    RESULT = new StringLengthCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("starts-with").equals(fname)) {
    RESULT = new StartsWithCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("function-available").equals(fname)) {
    RESULT = new FunctionAvailableCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("element-available").equals(fname)) {
    RESULT = new ElementAvailableCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("local-name").equals(fname)) {
    RESULT = new LocalNameCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("lang").equals(fname)) {
    RESULT = new LangCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("namespace-uri").equals(fname)) {
    RESULT = new NamespaceUriCall(fname, argl);
}
else if (parser.getQName(OpenSourceUsedInMSXPlatformInfrastructure.TRANSLET_URI, "xslt", "cast").equals(fname)) {
    RESULT = new CastCall(fname, argl);
}
// Special case for extension function nodeset()
else if (fname.getLocalPart().equals("nodeset") || fname.getLocalPart().equals("node-set")) {
    parser.setCallsNodeset(true);  // implies MultiDOM
    RESULT = new FunctionCall(fname, argl);
}
else {
    RESULT = new FunctionCall(fname, argl);
}
}

NonemptyArgumentList ::= Argument:arg
    {:
        Vector temp = new Vector();
        temp.addElement(arg);
    }
RESULT = temp;
}

| Argument: arg COMMA NonemptyArgumentList: argl
{| : argl.insertElementAt(arg, 0); RESULT = argl; :};

FunctionName ::= QName:fname
{: RESULT = fname; :};

VariableName ::= QName: vname
{: RESULT = vname; :};

Argument ::= Expr: ex
{: RESULT = ex; :};

NodeTest ::= NameTest: nt
{: RESULT = nt; :}

| NODE
{: RESULT = new Integer(NodeTest.ANODE); :}

| TEXT
{: RESULT = new Integer(NodeTest.TEXT); :}

| COMMENT
{: RESULT = new Integer(NodeTest.COMMENT); :}

| PIPARAM LPAREN Literal: l RPAREN
{: QName name = parser.getNameIgnoreDefaultNs("name");
Expression exp = new EqualityExpr(Operators.EQ,
new NameCall(name),
new LiteralExpr(l));
Vector predicates = new Vector();
predicates.addElement(new Predicate(exp));
RESULT = new Step(Axis.CHILD, NodeTest.PI, predicates);
:}

| PI
{: RESULT = new Integer(NodeTest.PI); :};

NameTest ::= STAR
{: RESULT = null; :}
QName ::= QName:qname
{: RESULT = parser.getQNameIgnoreDefaultNs(qname); :}

| DIV  
{: RESULT = parser.getQNameIgnoreDefaultNs("div"); :}

| MOD  
{: RESULT = parser.getQNameIgnoreDefaultNs("mod"); :}

| KEY  
{: RESULT = parser.getQNameIgnoreDefaultNs("key"); :}

| ANCESTOR  
{: RESULT = parser.getQNameIgnoreDefaultNs("child"); :}

| ANCESTORORSELF  
{: RESULT = parser.getQNameIgnoreDefaultNs("ancestor-or-self"); :}

| ATTRIBUTE  
{: RESULT = parser.getQNameIgnoreDefaultNs("attribute"); :}

| CHILD  
{: RESULT = parser.getQNameIgnoreDefaultNs("child"); :}

| DESCENDANT  
{: RESULT = parser.getQNameIgnoreDefaultNs("decendant"); :}

| DESCENDANTORSELF  
{: RESULT = parser.getQNameIgnoreDefaultNs("decendant-or-self"); :}

| FOLLOWING  
{: RESULT = parser.getQNameIgnoreDefaultNs("following"); :}

| FOLLOWINGSIBLING  
{: RESULT = parser.getQNameIgnoreDefaultNs("following-sibling"); :}

| NAMESPACE  
{: RESULT = parser.getQNameIgnoreDefaultNs("namespace"); :}

| PARENT  
{: RESULT = parser.getQNameIgnoreDefaultNs("parent"); :}

| PRECEDING  
{: RESULT = parser.getQNameIgnoreDefaultNs("preceding"); :}
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*/

// is found, then throw a special exception in order to terminate

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* /opt/cola/permits/1134796662_161342294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/domapi/XPathStylesheetDOM3Exception.java
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*/

*/

* Execute the proprietary document-location() function, which returns
* a node set of documents.
* @xsl.usage advanced
*/

Found in path(s):
* /opt/cola/permits/1134796662_161342294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/functions/FuncDoclocation.java
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package org.apache.xalan.xslt.compiler;

import java_cup.runtime.Symbol;

%%
%cup
%unicode
%class XPathLexer
%yyeof

{%
    int last;

    void initialize() {
        last = -1;
    }

    static boolean isWhitespace(int c) {
        return (c == ' ' || c == '	' || c == '' || c == '
' || c == '');
    }

    /**
     * If symbol is not followed by `::` or `(', then treat it as a
     * name instead of an axis or function (Jira-1912).
     */
    Symbol disambiguateAxisOrFunction(int ss) throws Exception {
        // Peek in the input buffer without changing the internal state
        int index = yy_buffer_index;

        // Skip whitespace
        while (index < yy_buffer_read && isWhitespace(yy_buffer[index])) {
            index++;
        }

        // If end of buffer, can't disambiguate :
    }
}
if (index >= yy_buffer_read) {
    // Can't disambiguate, so return as symbol
    return new Symbol(ss);
}

// Return symbol if next token is '::' or '('
return (yy_buffer[index] == ':' && yy_buffer[index+1] == ':') ||
       yy_buffer[index] == '(' ? newSymbol(ss) : newSymbol(sym.QNAME, yytext());
}

/**
 * If symbol is first token or if it follows any of the operators
 * listed in http://www.w3.org/TR/xpath#exprlex then treat as a
 * name instead of a keyword (Jira-1912).
 */
Symbol disambiguateOperator(int ss) throws Exception {
    switch (last) {
    case -1:    // first token
    case sym.ATSIGN:
    case sym.DCOLON:
    case sym.LPAREN:
    case sym.LBRACK:
    case sym.COMMA:
    case sym.AND:
    case sym.OR:
    case sym.MOD:
    case sym.DIV:
    case sym.MULT:
    case sym.SLASH:
    case sym.DSLASH:
    case sym.VBAR:
    case sym.PLUS:
    case sym.MINUS:
    case sym.EQ:
    case sym.NE:
    case sym.LT:
    case sym.LE:
    case sym.GT:
    case sym.GE:
    return newSymbol(sym.QNAME, yytext());
    }
    return newSymbol(ss);
}

/**
 * If symbol is first token or if it follows any of the operators
 * listed in http://www.w3.org/TR/xpath#exprlex then treat as a
Symbol disambiguateStar() throws Exception {
    switch (last) {
        case 1:    // first token
            case sym.ATSIGN:
            case sym.DCOLON:
            case sym.LPAREN:
            case sym.LBRACK:
            case sym.COMMA:
            case sym.AND:
            case sym.OR:
            case sym.MOD:
            case sym.DIV:
            case sym.MULT:
            case sym.SLASH:
            case sym.DSLASH:
            case sym.VBAR:
            case sym.PLUS:
            case sym.MINUS:
            case sym.EQ:
            case sym.NE:
            case sym.LE:
            case sym.GT:
            case sym.GE:
                return newSymbol(sym.STAR);
            }
    return newSymbol(sym.MULT);
}

Symbol newSymbol(int ss) {
    last = ss;
    return new Symbol(ss);
}

Symbol newSymbol(int ss, String value) {
    last = ss;
    return new Symbol(ss, value);
}

Symbol newSymbol(int ss, Long value) {
    last = ss;
    return new Symbol(ss, value);
}

Symbol newSymbol(int ss, Double value) {
    last = ss;

return new Symbol(ss, value);
}
%
%eofval{
return newSymbol(sym.EOF);
%eofval%
%yylexthrow{
return newSymbol(sym.EOF);
%yylexthrow%
Letter={BaseChar}|{Ideographic}
BaseChar=[\u0041-\u005A\u0061-\u007A\u00C0-\u00D6\u00D8-\u00FF\u0300-\u0345\u0360-\u0361\u0483-\u0486\u0591-\u05A1\u05A3-\u05B9\u05BB-\u05BD\u05BF\u05C1-\u05D6\u05D8-\u05FF\u0621-\u064A\u064C-\u0657\u0660-\u0669\u066B-\u066F\u0670-\u0679\u0680-\u0689\u068B-\u068F\u0690-\u0696\u0698-\u069C\u069E-\u06A0\u06A2-\u06A9\u06AE-\u06B0-\u06B9\u06BB-\u06C0-\u06D7\u06E0-\u06E4\u06E7-\u06E8-\u06F0-\u06F1\u06F3-\u06F9\u06FA-\u06FF\u0700-\u0709\u070B-\u070D\u070F-\u0711\u0713-\u0719\u071B-\u071D\u071F-\u0721\u0723-\u0727\u0729-\u072B\u072D-\u072F\u0731-\u0737\u0739-\u073F\u0741-\u0745\u0747-\u074F\u0751-\u0759\u075B-\u075D\u075F-\u0761\u0763-\u0765\u0767-\u076B\u076D-\u076F\u0770-\u0779\u077B-\u077D\u077F-\u0781\u0783-\u0787\u0789-\u078F\u0791-\u079B\u079D-\u079F\u07A1-\u07A5\u07A7-\u07A9\u07AA-\u07BB\u07BC-\u07BD\u07BE-\u07BF\u07D0-\u07D2-\u07D4\u07D6-\u07F3\u07F5-\u07F7\u07F9-\u07FD\u07FE-\u07FF]
Ideographic=[\u4E00-\u9FA5\u3007-\u3029]
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 */

package org.apache.xalan.processor;

/**
 * Administrative class to keep track of the version number of
 * the Xalan release.
 * <P>See also: org/apache/xalan/res/XSLTInfo.properties</P>
 * @deprecated To be replaced by org.apache.xalan.Version.getVersion()
 * @xsl.usage general
 */

public class XSLProcessorVersion
{

/**
 * Print the processor version to the command line.
 * @param argv command line arguments, unused.
 */

public static void main(String argv[])
{
    System.out.println(S_VERSION);
}

/**
 * Constant name of product.
 */

/**
 * Implementation Language.
 */
public static final String LANGUAGE = "Java";

/**
 * Major version number.
 * Version number. This changes only when there is a
 * significant, externally apparent enhancement from
 * the previous release. 'n' represents the n'th
 * version.
 * Clients should carefully consider the implications
 * of new versions as external interfaces and behaviour
 * may have changed.
 */
public static final int VERSION = @version.VERSION@;

/**
 * Release Number.
 * Release number. This changes when:
 * - a new set of functionality is to be added, eg,
 *   implementation of a new W3C specification.
 * - API or behaviour change.
 * - its designated as a reference release.
 */
public static final int RELEASE = @version.RELEASE@;

/**
 * Maintenance Drop Number.
 * Optional identifier used to designate maintenance
 * drop applied to a specific release and contains
 * fixes for defects reported. It maintains compatibility
 * with the release and contains no API changes.
 * When missing, it designates the final and complete
 * development drop for a release.
 */
public static final int MAINTENANCE = @version.MINOR@;

/**
 * Development Drop Number.
 * Optional identifier designates development drop of
 * a specific release. D01 is the first development drop
 * of a new release.
 */
Development drops are works in progress towards a completed, final release. A specific development drop may not completely implement all aspects of a new feature, which may take several development drops to complete. At the point of the final drop for the release, the D suffix will be omitted.

Each 'D' drops can contain functional enhancements as well as defect fixes. 'D' drops may not be as stable as the final releases.

```java
public static final int DEVELOPMENT = 0;
```

```java
//
// Version String like "<CODE>&lt;B>Xalan&lt;/B&gt; &lt;B>Language&lt;/B&gt;
// v.r[.dd| &lt;B>D&lt;/B&gt;nn]"&lt;/CODE&gt;.
// <P>Semantics of the version string are identical to the Xerces project.&lt;/P>
//
//
public static final String S_VERSION = PRODUCT"+"+LANGUAGE+"+
// +VERSION+".+RELEASE+".
// +(DEVELOPMENT &gt; 0 ? ("D"+DEVELOPMENT)
// : (""+MAINTENANCE));
//
```
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/trace/package.html
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/functions/package.html
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/transformer/package.html
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/client/package.html
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/lib/package.html
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/processor/package.html
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/lib/sql/package.html
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xslt/package.html
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/res/package.html
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/objects/package.html
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/extensions/package.html
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/axes/package.html

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 */

// Proprietary, built in functions
/** current function string (Proprietary). */
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* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/XslAttribute.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/dom/KeyIndex.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/CurrentCall.java
* /opt/cola/permits/1134796662_1613422294.09/xalan-2-7-2-sources.jar/org/apache/xalan/xslt/trax/TransformerHandlerImpl.java
* /opt/cola/permits/1134796662_1613422294.09/xalan-2-7-2-sources.jar/org/apache/xalan/xslt/compiler/When.java
* /opt/cola/permits/1134796662_1613422294.09/xalan-2-7-2-sources.jar/org/apache/xalan/xslt/compiler/SecuritySupport.java
* /opt/cola/permits/1134796662_1613422294.09/xalan-2-7-2-sources.jar/org/apache/xpath/axes/WalkingIteratorSorted.java
* /opt/cola/permits/1134796662_1613422294.09/xalan-2-7-2-sources.jar/org/apache/xalan/templates/ElemWhen.java
* /opt/cola/permits/1134796662_1613422294.09/xalan-2-7-2-sources.jar/org/apache/xml/serializer/utils/SerilizerMessages_ja.java
* /opt/cola/permits/1134796662_1613422294.09/xalan-2-7-2-sources.jar/org/apache/xml/utils/StylesheetPIHandler.java
* /opt/cola/permits/1134796662_1613422294.09/xalan-2-7-2-sources.jar/org/apache/xpath/axes/AttributeIterator.java
* /opt/cola/permits/1134796662_1613422294.09/xalan-2-7-2-sources.jar/org/apache/xml/utils/StringToIntTable.java
* /opt/cola/permits/1134796662_1613422294.09/xalan-2-7-2-sources.jar/org/apache/xalan/xslt/runtime/ObjectFactory.java
* /opt/cola/permits/1134796662_1613422294.09/xalan-2-7-2-sources.jar/org/apache/xalan/xslt/runtime/SecuritySupport.java
* /opt/cola/permits/1134796662_1613422294.09/xalan-2-7-2-sources.jar/org/apache/xalan/xslt/compiler/TrAXFilter.java
* /opt/cola/permits/1134796662_1613422294.09/xalan-2-7-2-sources.jar/org/apache/xalan/xslt/compiler/ErrorMessages_ko.java
* /opt/cola/permits/1134796662_1613422294.09/xalan-2-7-2-sources.jar/org/apache/xalan/xslt/compiler/error/ErrorMessages_zh.java
* /opt/cola/permits/1134796662_1613422294.09/xalan-2-7-2-sources.jar/org/apache/xalan/xslt/compiler/SecuritySupport.java
* /opt/cola/permits/1134796662_1613422294.09/xalan-2-7-2-sources.jar/org/apache/xalan/xslt/compiler/SecuritySupport.java

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* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/serializer/ToSAXHandler.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/res/XPATHErrorResources_ca.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/trax/DOM2SAX.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/OpCodes.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xsltc/compiler/Step.java

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* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/axes/BasicTestIterator.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/serializer/utils/SerializerMessages_zh.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xslt/compiler/util/NodeSortRecordGenerator.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xslt/compiler/FlowList.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/templates/XSLTVisibleable.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/jaxp/XPathFactoryImpl.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/Arg.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/dtm/ref/DTMDefaultBase.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/trace/ExtensionEvent.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/serializer/ObjectFactory.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/UnionPathIterator.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/templates/ElemUnknown.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/objects/XRTreeFragSelectWrapper.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xslt/compiler/util/ReferenceType.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/lib/Redirect.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/utils/XMLReaderManager.java
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1.3862 azure-eventhubs-eph 2.4.0

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1.3865 tslib 1.9.3

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1.3868 babel-plugin-transform-es2015-for-of

6.23.0

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1.3869 minipass-pipeline 1.2.4

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1.3870 google-uuid 1.1.1

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1.3872 e2fsprogs 1.42.9-19.el7

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Upstream Author: Theodore Ts'o <tytso@mit.edu>
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# This is a Makefile stub which handles the creation of BSD shared libraries.
# In order to use this stub, the following makefile variables must be defined.
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$(BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) `echo $(my_dir) | sed -e 's;lib/;;'`/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)

install-strip: install
install-shlibs-strip:: install-shlibs

uninstall-shlibs uninstall::
$RM -f $(DESTDIR)/$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$RM -rf pic
$RM -f $(BSD_LIB)
$RM -f ../$(BSD_LIB)

This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

http://sourceforge.net/projects/e2fsprogs

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Index: tdbsa/tdb.c
===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@
 Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
 */
 /*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
- 
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 written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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repository from the development branch, please contact me
(tytso@mit.edu) before you ship. The release schedules for this
package are flexible, if you give me enough lead time.

Theodore Ts'o
23-June-2007

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Version 2, June 1991

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That's all there is to it!

This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

http://sourceforge.net/projects/e2fsprogs

Upstream Author: Theodore Ts'o <tytso@mit.edu>

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This is the Debian GNU/Linux prepackaged version of the ss command-line interface parsing library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
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Gadi Oxman, August 1995

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1.3874 scala-logging_2.12 3.9.2

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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 3a0982da308228d796df35f98d787c5cfee2bb5b6.

  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>

===========================================================================

vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2
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<!-- $Id$ -->

<!-- Generate ISC copyright comments from Docbook copyright metadata. -->

<xsl:stylesheet version="1.0"
    xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
    xmlns:xi="http://www.w3.org/2001/XInclude"
    xmlns:db="http://docbook.org/ns/docbook">

    <xsl:template name="isc.copyright.format">
        <xsl:param name="text"/>
        <xsl:value-of select="$isc.copyright.leader"/>
        <xsl:value-of select="normalize-space(substring-before($text,'\n'))"/>
        <xsl:text>\n</xsl:text>
        <xsl:variable name="rest" select="substring-after($text,'\n')"/>
        <xsl:if test="translate($rest,'\t ','')">
            <xsl:call-template name="isc.copyright.format">
                <xsl:with-param name="text" select="$rest"/>
            </xsl:call-template>
        </xsl:if>
    </xsl:template>

    <xsl:variable name="isc.copyright.text">
        This Source Code Form is subject to the terms of the Mozilla Public License, v. 2.0. If a copy of the MPL was not distributed with this file, You can obtain one at http://mozilla.org/MPL/2.0/.
    </xsl:variable>

    <xsl:variable name="isc.copyright">
        <xsl:call-template name="isc.copyright.format">
            <xsl:with-param name="text" select="book/info/copyright | refentry/docinfo/copyright">
                Copyright (C) <xsl:for-each select="book/info/copyright | refentry/docinfo/copyright">
                    <xsl:value-of select="holder"/>
                </xsl:for-each>
                <xsl:value-of select="$isc.copyright.breakline"/>
            </xsl:with-param>
        </xsl:call-template>
    </xsl:variable>
</xsl:stylesheet>
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1.3883 mkdirp 0.5.5

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1.3886 libpciaccess 0.14 1.el7

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1.3889 xanzy-ssh-agent v0.2.1

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7.0.0

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1.3892 jackson-databind 2.9.10.1

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1.3894 unified 6.1.6

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1.3896 lodash.isplainobject 4.0.6

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1.3898 cronstrue 1.51.0

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1.3899 vega-scenegraph 2.4.2

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1.3900 node-readable-stream 3.6.0-2

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1.3916 krb5-conf 1.0-r1

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lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
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lib/gssapi/mechglue/g_init_sec_context.c
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lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
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lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.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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* /opt/ws_local/PERMITS_SQL/1068233880_1594324310.84/0/netty-buffer-4-1-50-final-sources-1-jar/io/netty/buffer/PooledByteBufAllocator.java
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*/
1.3921 android-json 0.0.20131108.vaadin1

1.3922 redigo 2.0.1
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modules/audio_coding/codecs/g722/main/source/g722_encode.c
modules/audio_coding/codecs/isac/main/source/fft.c
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modules/audio_device/mac/portaudio/pa_ringbuffer.c
modules/audio_device/mac/portaudio/pa_ringbuffer.h
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common_audio/signal_processing/spl_sqrt_floor_arm.S

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 * Written by Wilco Dijkstra, 1996. The following email exchange establishes the
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 * * From: Wilco Dijkstra <Wilco.Dijkstra@ntlworld.com>
 * * Date: Fri, Jun 24, 2011 at 3:20 AM
 * * Subject: Re: sqrt routine
 * * To: Kevin Ma <kma@google.com>
 * * Hi Kevin,
 * * Thanks for asking. Those routines are public domain (originally posted to
 * * comp.sys.arm a long time ago), so you can use them freely for any purpose.
 * * Cheers,
 * * Wilco
 * *
 * * ----- Original Message -----*
 * * From: "Kevin Ma" <kma@google.com>
 * * To: <Wilco.Dijkstra@ntlworld.com>
 * * Sent: Thursday, June 23, 2011 11:44 PM
 */
* Subject: Fwd: sqrt routine
* Hi Wilco,
* I saw your sqrt routine from several web sites, including
* http://www.finesse.demon.co.uk/steven/sqrt.html.
* Just wonder if there's any copyright information with your Successive
* approximation routines, or if I can freely use it for any purpose.
* Thanks.
* Kevin
*/

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/*
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* Based in part on a single channel G.722 codec which is:
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modules/audio_device/mac/portaudio/pa_ringbuffer.c
modules/audio_device/mac/portaudio/pa_ringbuffer.h

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/*
 * $Id: pa_memorybarrier.h 1240 2007-07-17 13:05:07Z bjornroche $
 * Portable Audio I/O Library
* Memory barrier utilities
* 
* Author: Bjorn Roche, XO Audio, LLC
* 
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/*
* $Id: pa_ringbuffer.c 1421 2009-11-18 16:09:05Z bjornroche $
* Portable Audio I/O Library
* Ring Buffer utility.
* 
* Author: Phil Burk, http://www.softsynth.com
* modified for SMP safety on Mac OS X by Bjorn Roche
* modified for SMP safety on Linux by Leland Lucius
* also, allowed for const where possible
*/
* modified for multiple-byte-sized data elements by Sven Fischer

* Note that this is safe only for a single-thread reader and a
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The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files http://www.ietf.org/rfc/rfc1950.txt (zlib format), rfc1951.txt (deflate format) and rfc1952.txt (gzip format).

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2006-Jan-27

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The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

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#FFmpeg:

Most files in FFmpeg are under the GNU Lesser General Public License version 2.1 or later (LGPL v2.1+). Read the file COPYING.LGPLv2.1 for details. Some other files have MIT/X11/BSD-style licenses. In combination the LGPL v2.1+ applies to FFmpeg.

Some optional parts of FFmpeg are licensed under the GNU General Public License version 2 or later (GPL v2+). See the file COPYING.GPLv2 for details. None of these parts are used by default, you have to explicitly pass --enable-gpl to configure to activate them. In this case, FFmpeg's license changes to GPL v2+.

Specifically, the GPL parts of FFmpeg are:

- libpostproc
- libmpcodecs
- optional x86 optimizations in the files
  libavcodec/x86/flac_dsp_gpl.asm
  libavcodec/x86/idct_mmx.c
-.libutvideo encoding/decoding wrappers in
libavcodec/libutvideo*.cpp
- the X11 grabber in libavdevice/x11grab.c
- the swresample test app in
  libswresample/swresample-test.c
- the texi2pod.pl tool
- the following filters in libavfilter:
  - f_ebur128.c
  - vf_blackframe.c
  - vf_boxblur.c
  - vf_colormatrix.c
  - vf_cropdetect.c
  - vf_decimate.c
  - vf_delogo.c
  - vf_geq.c
  - vf_histeq.c
  - vf_hqdn3d.c
  - vf_interface.c
  - vf_kerndeint.c
  - vf_mcddeint.c
  - vf_mp.c
  - vf_owdenoise.c
  - vf_perspective.c
  - vf_phase.c
  - vf_pp.c
  - vf_pullup.c
  - vf_sab.c
  - vf_smart blur.c
  - vf_spp.c
  - vf_stereo3d.c
  - vf_super2xsai.c
  - vf_tinterlace.c
  - vsrc_mptests src.c

Should you, for whatever reason, prefer to use version 3 of the (L)GPL, then
the configure parameter --enable-version3 will activate this licensing option
for you. Read the file COPYING.LGPLv3 or, if you have enabled GPL parts,
COPYING.GPLv3 to learn the exact legal terms that apply in this case.

There are a handful of files under other licensing terms, namely:

* The files libavcodec/jfdctfst.c, libavcodec/jfdctint_template.c and
  libavcodec/jrevdct.c are taken from libjpeg, see the top of the files for
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  those three files in the documentation.
external libraries
=============

FFmpeg can be combined with a number of external libraries, which sometimes affect the licensing of binaries resulting from the combination.

compatible libraries
-------------------

The following libraries are under GPL:
- frei0r
- libcdio
- librutvideo
- libvidstab
- libx264
- libx265
- libxavs
- libxvid

When combining them with FFmpeg, FFmpeg needs to be licensed as GPL as well by passing --enable-gpl to configure.

The OpenCORE and VisualOn libraries are under the Apache License 2.0. That license is incompatible with the LGPL v2.1 and the GPL v2, but not with version 3 of those licenses. So to combine these libraries with FFmpeg, the license version needs to be upgraded by passing --enable-version3 to configure.

incompatible libraries
----------------------

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/* This library's function is primarily to read and display MNG animations. It is not meant as a full-featured image-editing component! It does however offer creation and editing functionality at the chunk level. (future modifications may include some more support for creation and/or editing) */

Open Asset Import Library (assimp)

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Glenn Randers-Pehrson
glennrp at users.sourceforge.net
March 26, 2015
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; This is a header file for the x264ASM assembly language, which uses
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; It also has various other useful features to simplify writing the kind of
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(For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the
application. Therefore, Subsection 2d requires that any
application-supplied function or table used by this function must
be optional: if the application does not supply it, the square
root function must still compute square roots.)
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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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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The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

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d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

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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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.
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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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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.

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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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Dr. Memory: the memory debugger

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Version 2, June 1991

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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Library General Public License, applies to some specially designated Free Software Foundation software, and to any other libraries whose authors decide to use it. You can use it for your libraries, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software
sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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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.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:
a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the 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
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the version number 2.1.]

Preamble

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We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

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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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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.

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4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)
Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also 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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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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Unix SMB/CIFS implementation.
Samba temporary memory allocation functions

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/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.1.4, March 11th, 2002

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The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files ftp://ds.internic.net/rfc/rfc1950.txt (zlib format), rfc1951.txt (deflate format) and rfc1952.txt (gzip format).

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mpi/hppa1.1/udiv-qrnd.S, mpi/hppa1.1/mpi-hmul2.S,
mpi/hppa1.1/mpi-hmul1.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
Assigns Past and Future Changes
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
Assigns Past and Future Changes
perky@freebsd.org
(SEED cipher)

LIBGCRYPT  Werner Dittmann  2009-05-20
Assigns Past and Future Changes
werner.dittmann@t-online.de
 mpi/amd64, tests/mpitest.c

GNUPG  David Shaw
Assigns past and future changes.
dshaw@jabberwocky.com
(cipher/camellia-glue.c and related stuff)

LIBGCRYPT  Andrey Jivsov  2010-12-09
Assigns Past and Future Changes
openpgp@brainhub.org
(cipher/ecc.c and related files)

LIBGCRYPT  Ulrich Müller  2012-02-15
Assigns Past and Future Changes
ulm@gentoo.org
(Changes to cipher/idea.c and related files)

LIBGCRYPT  Vladimir Serbinenko  2012-04-26
Assigns Past and Future Changes
phcoder@gmail.com
(cipher/serpent.c)

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2012-12-14:50CAE2DB.80302@intel.com:
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 taken from the original NTT provided GPL source.

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- cipher/sha512-avx-amd64.S
- cipher/sha512-avx2-bmi2-amd64.S
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<signature of Ty Coon>, 1 April 1989
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1.3931 es6-iterator 2.0.3
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1.3932 ecc-jsbn 0.1.2

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1.3933 wide-align 1.1.2

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1.3934 redis-parser 3.0.0

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1.3935 libcroco 0.6.12-6.el7_9

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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
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1.3941 character-entities 1.2.1

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1.3942 babel-helpers 6.24.1

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1.3943 turf-line-slice 3.0.12

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1.3944 libxext 1.3.3 1+b2

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1.3946 hamcrest 1.3

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1.3948 cmd-shim 4.0.2

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1.3949 errors 0.8.1

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1.3950 md5.js 1.3.4

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1.3951 busybox 1.28.4-r3

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1.3953 tzinfo-data 1.2020.1

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1.3955 base-files 10.3+deb10u9

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```
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1.3957 JAXB-API 2.2.11

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1.3958 jackson-annotations 2.9.0

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1.3960 iconv 2.17

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<LicenseInfo
  @startTime={{model.startTime}}
  @expirationTime={{model.expirationTime}}
  @licenseId={{model.licenseId}}
  @features={{model.features}}
  @autoloaded={{model.autoloading}}
  @performanceStandbyCount={{model.performanceStandbyCount}}
/>

---

layout: api
description: "The `/sys/license` endpoint is used to view and update the license used in Vault.

# `/sys/license`

~> **Enterprise Only** These endpoints require Vault Enterprise.

The `/sys/license` endpoint is used to view and update the license used in Vault.

## Read License

~> This API is deprecated and will be removed in a future version of Vault. Please use [license autoloading](/docs/enterprise/license/autoloading) instead, and see [License Status](#license-status) below for the non-deprecated equivalent API.

This endpoint returns information about the currently installed license.

<table>
<thead>
<tr>
<th>Method</th>
<th>Path</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>GET</code></td>
<td><code>/sys/license</code></td>
</tr>
</tbody>
</table>
### Sample Request

```
$ curl \
   --header "X-Vault-Token: ..." \
   http://127.0.0.1:8200/v1/sys/license
```

### Sample Response

```
{
   "data": {
      "expiration_time": "2017-11-14T16:34:36.546753-05:00",
      "features": ["UI", "HSM", "Performance Replication", "DR Replication"],
      "license_id": "temporary",
      "start_time": "2017-11-14T16:04:36.546753-05:00"
   },
   "warnings": ["time left on license is 29m33s"]
}
```

## Read Signed License

```
$ curl \
   --header "X-Vault-Token: ..." \
   http://127.0.0.1:8200/v1/sys/license/signed
```

```
{
   "data": {
      "signed": "01ABCDEFG..."
   }
}
```

-> This API is deprecated and will be removed in a future version of Vault. Please use [license autoloading]([docs/enterprise/license/autoloading](/docs/enterprise/license/autoloading)) instead.

This endpoint returns the signed license blob for the currently installed license.

<table>
<thead>
<tr>
<th>Method</th>
<th>Path</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>GET</code></td>
<td><code>/sys/license/signed</code></td>
</tr>
</tbody>
</table>

### Sample Request

```
$ curl \
   --header "X-Vault-Token: ..." \
   http://127.0.0.1:8200/v1/sys/license/signed
```

### Sample Response

```
{
   "data": {
      "signed": "01ABCDEFG..."
   }
}
```
## Install License

This API is deprecated and will be removed in a future version of Vault. Please use [license autoloading](/docs/enterprise/license/autoloading) instead.

This endpoint is used to install a license into Vault. This will return an error if license autoloading is in use.

<table>
<thead>
<tr>
<th>Method</th>
<th>Path</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUT</td>
<td><code>/sys/license</code></td>
</tr>
</tbody>
</table>

### Parameters

- `text` *(string: <required>)* - The text of the license.

_**DR Secondary Specific Parameters**_

- `dr_operation_token` *(string: <required>)* - DR operation token used to authorize this request.

  Note that this is the legacy mechanism for providing a DR operation token. It is equally valid to provide the DR operation token in the `X-Vault-Token` header, as with a regular vault token.

### Sample Payload

```json
{
    "text": "01ABCDEFG..."
}
```

### Sample Request

```
curl \
--header "X-Vault-Token: ..." \
--request PUT \
--data @payload.json \
http://127.0.0.1:8200/v1/sys/license \
```

## Delete License

This API is deprecated and will be removed in a future version of Vault. Please use [license autoloading](/docs/enterprise/license/autoloading) instead.
This endpoint is used to delete a stored license in Vault. This will return an error unless license autoloading is in use.

This endpoint returns information about licensing. It returns similar information to a GET of `sys/license`, but whereas that endpoint reports solely on the license Vault is currently using, this one reports on all licensing information the Vault cluster has. See [license autoloading](/docs/enterprise/license/autoloading) for background.

In the response:
* `autoloading_used` will be true if an autoloaded license was provided to the node, false otherwise.
* `autoloaded` is the autoloaded license if autoloading_used is true.
* `persisted_autoload` is the autoloaded license the active node last wrote to storage; this is only used to detect inconsistently licensed nodes in the cluster. It cannot be used as a license itself.
* `stored` is the stored license if any, i.e. one written using `PUT sys/license`.

`autoloaded`, `persisted_autoload`, and `stored` all have the same structure, which is also the same structure as the top-level `data` returned by `GET sys/license`.

### Sample Request

```
$ curl \
   --header "X-Vault-Token: ..." \
   --request DELETE \
   http://127.0.0.1:8200/v1/sys/license
```

```
$ curl \
   --header "X-Vault-Token: ..." \
   http://127.0.0.1:8200/v1/sys/license/status
```
### Sample Response

```json
{
  "data": {
    "autoloading_used": true,
    "autoloaded": {
      "expiration_time": "2022-05-17T23:59:59.999Z",
      "features": [
        "HSM",
        "Performance Replication",
        "DR Replication",
        "MFA",
        "Sentinel",
        "Seal Wrapping",
        "Control Groups",
        "Performance Standby",
        "Namespaces",
        "KMIP",
        "Entropy Augmentation",
        "Transform Secrets Engine",
        "Lease Count Quotas",
        "Key Management Secrets Engine",
        "Automated Snapshots"
      ],
      "license_id": "060d7820-fa59-f95c-832b-395db0aeb9ba",
      "performance_standby_count": 9999,
      "start_time": "2021-05-17T00:00:00Z"
    },
    "persisted_autoload": {
      "expiration_time": "2022-05-17T23:59:59.999Z",
      "features": [
        "HSM",
        "Performance Replication",
        "DR Replication",
        "MFA",
        "Sentinel",
        "Seal Wrapping",
        "Control Groups",
        "Performance Standby",
        "Namespaces",
        "KMIP",
        "Entropy Augmentation",
        "Transform Secrets Engine",
        "Lease Count Quotas",
        "Key Management Secrets Engine"
      ],
      "license_id": "060d7820-fa59-f95c-832b-395db0aeb9ba",
      "performance_standby_count": 9999,
      "start_time": "2021-05-17T00:00:00Z"
    }
  }
}
```
"Automated Snapshots"
],
"license_id": "060d7820-fa59-f95c-832b-395db0aeb9ba",
"performance_standby_count": 9999,
"start_time": "2021-05-17T00:00:00Z"
}
]
}
```

---
layout: docs
page_title: license - Command
description: |
The "license" command groups subcommands for interacting with Vault licenses.
---

# license

The `license` command groups subcommands for interacting with Vault licenses

For more information, please see the [license documentation](/docs/enterprise/license)

## Examples

Query current license in use by a node:

```shell-session
$ vault license get
Key                          Value
---                          -----
expiration_time              2022-05-17T23:59:59.999Z
features                     [HSM Performance Replication DR Replication MFA Sentinel Seal Wrapping Control Groups
                            Performance Standby Namespaces KMIP Entropy Augmentation Transform Secrets Engine Lease Count Quotas
                            Key Management Secrets Engine Automated Snapshots]
license_id                   060d7820-fa59-f95c-832b-395db0aeb9ba
performance_standby_count    9999
start_time                   2021-05-17T00:00:00Z
```  

Query signed license string (only when using a deprecated stored license)

```shell-session
$ vault license get -signed
02MV4UU43BK5H...
```  

Inspect a signed license string:

---

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```
$ vault license inspect ~/vaults/license
Source: /Users/ncc/vaults/license
Product: vault
License ID: 060d7820-fa59-f95c-832b-395db0ae89ba
Customer ID: 5401ae3b-136b-3e47-3b43-432927fa03e7
Installation ID: *
Issue Time: 2021-05-17 19:33:47.93981585 +0000 UTC
Start Time: 2021-05-17 00:00:00 +0000 UTC
Expiration Time: 2022-05-17 23:59:59.999 +0000 UTC
{
  "license_id": "060d7820-fa59-f95c-832b-395db0ae89ba",
  "customer_id": "5401ae3b-136b-3e47-3b43-432927fa03e7",
  "installation_id": "*",
  "issue_time": "2021-05-17T19:33:47.93981585Z",
  "start_time": "2021-05-17T00:00:00Z",
  "expiration_time": "2022-05-17T23:59:59.999Z",
  "flags": {
    "modules": ["multi-dc-scale", "governance-policy", "advanced-data-protection"],
    "performance_standby_count": 9999
  }
}
License is valid
```
license?in=vault/enterprise) tutorial provides the instruction to load your Vault license.
--layout: docs
page_title: license inspect - Command
description: |The "license inspect" command describes the contents of a signed license string.
--# license inspect
The `license inspect` command describes the contents of a signed license string.
## Examples
Describe license in the environment (either `VAULT_LICENSE` for a raw value
or `VAULT_LICENSE_PATH` for the path to a file containing the value):
```shell-session
$ vault license inspect
Source: /Users/ncc/vaults/license
Product: vault
License ID: 060d7820-fa59-f95c-832b-395db0aeb9ba
Customer ID: 5401ae3b-136b-3e47-3b43-432927fa03e7
Installation ID: *
Issue Time: 2021-05-17 19:33:47.93981585 +0000 UTC
Start Time: 2021-05-17 00:00:00 +0000 UTC
Expiration Time: 2022-05-17 23:59:59.999 +0000 UTC
{"license_id":"060d7820-fa59-f95c-832b-395db0aeb9ba","customer_id":"5401ae3b-136b-3e47-3b43432927fa03e7","installation_id":"*","issue_time":"2021-05-17T19:33:47.93981585Z","start_time":"2021-0517T00:00:00Z","expiration_time":"2022-05-17T23:59:59.999Z","flags":{"modules":["multi-dc-scale","governancepolicy","advanced-data-protection"]},"features":["HSM","Performance Replication","DR
Replication","MFA","Sentinel","Seal Wrapping","Control Groups","Performance
Standby","Namespaces","KMIP","Entropy Augmentation","Transform Secrets Engine","Lease Count Quotas","Key
Management Secrets Engine","Automated Snapshots"],"performance_standby_count":9999}
License is valid
```
Describe license at given path:
```shell-session
$ vault license inspect ~/vaults/license
Source: /Users/ncc/vaults/license
Product: vault
License ID: 060d7820-fa59-f95c-832b-395db0aeb9ba
Customer ID: 5401ae3b-136b-3e47-3b43-432927fa03e7
Installation ID: *
Issue Time: 2021-05-17 19:33:47.93981585 +0000 UTC

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## Usage

The following flags are available in addition to the [standard set of flags](/docs/commands) included on all commands.

### Command Options

- `-installation-id` `(string: "")` - Installation ID to validate the license against

```
release-note:changes
core: License/EULA changes that ensure the presence of a valid HashiCorp license to start Vault. More information is available in the [Vault License FAQ](https://www.vaultproject.io/docs/enterprise/license/faqs)
```

---

layout: docs
page_title: License Autoloading
description: An overview of license autoloading.
---

Prior to Vault 1.8, Vault Enterprise would be licensed using special binaries that contained embedded licenses, or via a license written into Vault storage using the [PUT sys/license API](/docs/system/license#install-license).

As of Vault 1.8 those options still exist but are deprecated, and the recommended mechanism for managing licenses is called License Autoloading. New clusters are required to use the autoloading method.

License Autoloading can be done using one of these mechanisms, in increasing order of priority (i.e. `VAULT_LICENSE` takes precedence over `VAULT_LICENSE_PATH`, which takes precedence over `license_path` in config.)

* `license_path` in config
* `[VAULT_LICENSE_PATH environment variable]` (/docs/commands#vault_license_path)
* `[VAULT_LICENSE environment variable]` (/docs/commands#vault_license)

Nodes within a cluster should be consistently licensed. All nodes in a cluster should use autoloading, or none should. If autoloading is used, all nodes should
use the same license string. Warnings will be written to the log when there are discrepancies.

If autoloading is used, any existing stored license will be ignored. The presence of a stored license in conjunction with an autoloaded license will also result in logged warnings. Once a migration to autoloading is completed, it is recommended to use the [DELETE API](/docs/system/license#delete-license) to remove the stored license.

License

Details

<table>
<thead>
<tr>
<th>License ID</th>
<th>{{@licenseId}}</th>
</tr>
</thead>
<tbody>
<tr>
<td>Valid from</td>
<td>{{date-format @startTime 'MMM dd, yyyy hh:mm:ss a'}} to {{date-format @expirationTime 'MMM dd, yyyy hh:mm:ss a'}}</td>
</tr>
<tr>
<td>License state</td>
<td>{{if @autoloaded &quot;Autoloaded&quot; &quot;Stored&quot;}}</td>
</tr>
<tr>
<td></td>
<td>{{#if @autoloaded}} Autoloaded {{else}} Stored {{Icon @glyph=&quot;alert-triangle&quot; class=&quot;has-text-highlight&quot;}} Stored licenses will be deprecated in a future version of Vault. We recommend autoloading your license. Read more <a href="https://www.vaultproject.io/docs/enterprise/license">here</a></td>
</tr>
</tbody>
</table>

Features

<table>
<thead>
<tr>
<th>Feature Name</th>
<th>Active/Not Active</th>
</tr>
</thead>
<tbody>
<tr>
<td>{{#each this.featuresInfo as</td>
<td>info</td>
</tr>
<tr>
<td></td>
<td>{{/each}}</td>
</tr>
</tbody>
</table>

Stored licenses will be deprecated in a future version of Vault. We recommend autoloading your license. Read more [here](https://www.vaultproject.io/docs/enterprise/license)
This FAQ section is for the license changes introduced in Vault Enterprise 1.8. We will no longer support the old license system (`vault write sys/license`), and autoload will be the only way to manage your license.

- [Q: When will these licensing changes be released for Vault?](#q-when-will-these-licensing-changes-be-released-for-vault)
- [Q: Will these license changes impact HCP Vault?](#q-will-these-license-changes-impact-hcp-vault)
- [Q: Do these license changes impact all Vault customers/licenses?](#q-do-these-license-changes-impact-all-vault-customers-licenses)
- [Q: What is the product behavior change introduced by the licensing changes?](#q-what-is-the-product-behavior-change-introduced-by-the-licensing-changes)
- [Q: How will Vault behave at startup when a license expires or terminates?](#q-how-will-vault-behave-at-startup-when-a-license-expires-or-terminates)
- [Q: What is the impact on evaluation licenses due to this change?](#q-what-is-the-impact-on-evaluation-licenses-due-to-this-change)
- [Q: Are there any changes to existing methods for manual license loading (API or CLI)?](#q-are-there-any-changes-to-existing-methods-for-manual-license-loading-api-or-cli)
- [Q: Is there a grace period when evaluation licenses expire?](#q-is-there-a-grace-period-when-evaluation-licenses-expire)
- [Q: Does this affect clients?](#q-does-this-affect-clients)
- [Q: Are the license files locked to a specific cluster?](#q-are-the-license-files-locked-to-a-specific-cluster)
- [Q: Will a EULA check happen every time a Vault restarts?](#q-will-a-eula-check-happen-every-time-a-vault-restarts)
- [Q: What scenarios should a customer plan for due to these license changes?](#q-what-scenarios-should-a-customer-plan-for-due-to-these-licenses-changes)
- [Q: What is the migration path for customers who want to migrate from their existing license-as-applied-via-the-CLI flow to the license on disk flow?](#q-what-is-the-migration-path-for-customers-who-want-to-migrate-from-
### Q: When will these licensing changes be released for Vault?

The licensing and end-user license agreement (EULA) changes will be available with Vault 1.8-RC1 on June 16, 2021. Vault 1.8 is targeted to release on July 28, 2021.

### Q: Will these license changes impact HCP Vault?

No, these changes will not impact HCP Vault.

### Q: Do these license changes impact all Vault customers/licenses?

<table>
<thead>
<tr>
<th>Customer/licenses</th>
<th>Impacted?</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENT binaries (evaluation or non-evaluation downloaded from <a href="https://releases.hashicorp.com/vault/">releases.hashicorp.com</a>)</td>
<td>Yes</td>
</tr>
<tr>
<td>Open-Source (OSS)</td>
<td>No</td>
</tr>
<tr>
<td>Baked-in license binaries (pro/premium)</td>
<td>No</td>
</tr>
</tbody>
</table>

### Q: What is the product behavior change introduced by the licensing changes?

With Vault 1.8, a valid license is required on-disk (auto-loading) or in-storage for Vault to boot up successfully.

- Existing clusters upgrading to Vault 1.8 or later will not be affected. Customers may continue to use an in-storage license for their existing clusters until they decide to move to auto-loading. Please see the question below: [Is there a limited time for support of licenses that are in storage?](#q-is-there-a-limited-time-for-support-of-licenses-that-are-in-storage)

- When deploying Vault 1.8 or later clusters, please ensure a valid license exists on-disk (auto-loading).

### Q: How will Vault behave at startup when a license expires or terminates?

When a license expires, Vault continues to function until the license terminates. This behavior exists today and remains unchanged in Vault 1.8. The grace period, defined as the time between license expiration and license termination, is 1 day for evaluation licenses (as of 1.8), and ten years for non-evaluation licenses. Customers must install a valid license before the grace period expires. This license can be autoloaded or loaded into storage using...
existing methods (`/sys/license`) depending on the applicable scenarios as described above. When license terminates (upon grace period expiry), Vault will seal itself and customers will need a valid license in order to successfully bring-up Vault. If a valid license was not installed after license expiry, customers will need to install one, and this license will need to be auto-loaded.

### Q: What is the impact on evaluation licenses due to this change?

The 6-hour trial period for Enterprise binaries allows these particular binaries to run without a license file and will be removed as of Vault 1.8 and later. This change means that any clusters deployed with Vault 1.8 or later ENT binaries must have a valid license, and the license must be on the disk (auto-loading).

### Q: Are there any changes to existing methods for manual license loading (API or CLI)?

There are no significant changes to the API or CLI license loading with Vault 1.8. However, the `/sys/license` endpoint is slated for deprecation in a future release. Please see the question: [Is there a limited time for support of licenses that are in storage?](#q-is-there-a-limited-time-for-support-of-licenses-that-are-in-storage)

### Q: Is there a grace period when evaluation licenses expire?

Evaluation licenses have a 1-day grace period. The grace period is the time until the license expires. Upon expiration, Vault will seal and will require a valid license to unseal and function properly.

### Q: Does this affect clients?

No, there is no impact to the Vault Agent.

### Q: Are the license files locked to a specific cluster?

The changes to licenses apply to all nodes in a cluster. The license files are not locked to a cluster, but are independently applied to the appropriate clusters.

### Q: Will a EULA check happen every time a Vault restarts?

Yes, starting with Vault 1.8, ENT binaries will be subjected to a EULA check. The release of Vault 1.8 introduces the EULA check for evaluation licenses (non-evaluation licenses are evaluated with a EULA check during contractual agreement). Although the agreement to a EULA occurs only once (when the user receives their license), Vault will check for the presence of a valid license every time a node is restarted.

When a customer upgrades existing clusters to Vault 1.8 or later, a valid license must exist to upgrade successfully. This valid license must be in storage or on-disk (auto-loaded). Please see the below question: [Is there a limited time for support of licenses that are in storage?](#q-is-there-a-limited-time-for-support-of-licenses-that-are-in-storage)

Also, when customers deploy new clusters to Vault 1.8 or later, a valid license must exist to upgrade successfully. This valid license must be on-disk (auto-loaded).

### Q: What scenarios should a customer plan for due to these license changes?
**New Cluster Deployment**: When a customer deploys new clusters to Vault 1.8 or later, a valid license must exist to successfully deploy. This valid license must be on-disk (auto-loaded).

**Eventual Migration**: Since in-storage licenses will not be supported forever, migrating to auto-loaded licenses will be required. Please see the below question: [Is there a limited time for support of licenses that are in storage?](#q-is-there-a-limited-time-for-support-of-licenses-that-are-in-storage)

### Q: What is the migration path for customers who want to migrate from their existing license-as-applied-via-the-CLI flow to the license on disk flow?

If a Vault 1.7 cluster is upgraded to Vault 1.8 or later and still has a stored license, the operator must migrate using an auto-loaded license.

1. Use the new command `vault license get -signed` to retrieve the license from the storage in their running cluster.
2. Put the license on disk, configure auto-loading (new `license_path` config option, OR new environment variable `VAULT_LICENSE_PATH` OR new environment variable `VAULT_LICENSE` containing the actual license itself).
3. Restart the Vault node.
4. A warning will explain that the license is in storage and using auto-loading.
5. Use the new command `vault delete /sys/license` to fully transition to auto-loading.

### Q: What is the migration path for customers who wish to migrate from their existing perpetually licensed binaries to the license on disk flow (auto-loading)?

A Vault customer who is currently using S3 unlocked binaries, upgrading their clusters to Vault 1.8 or later, and wishes to move to auto-loading, will need a valid enterprise binary version 1.8 or later and a valid license. The steps are the same as in the above question: [What is the migration path for customers who want to migrate from their existing license-as-applied-via-the-CLI flow to the license on disk flow?](#q-what-is-the-migration-path-for-customers-who-want-to-migrate-from-their-existing-license-as-applied-via-the-cli-flow-to-the-license-on-disk-flow) starting at Step 2.

### Q: What is the migration path for customers who want to migrate from their existing perpetually licensed binaries to the current license on storage flow?

A Vault customer currently using S3 unlocked binaries is upgrading their clusters to a pre-Vault 1.8 version, the customer must retrieve the corresponding enterprise binary and a valid license to load the license in storage (`/sys/license`). Please see the below question: [Is there a limited time for support of licenses that are in storage?](#q-is-there-a-limited-time-for-support-of-licenses-that-are-in-storage)

### Q: What is the path for customers who want to downgrade/rollback from Vault 1.8 or later (auto-loading) to a pre-Vault 1.8 (license in storage)?

The downgrade procedure remains the same for Vault customers who are currently on Vault 1.8 or later, have a license installed via auto-loading, and would like to downgrade their cluster to a pre-1.8 version that does not have auto-loading support and only supports license in storage. Please refer to the [upgrade procedures](https://learn.hashicorp.com/tutorials/vault/sop-upgrade?in=vault/standard-procedures) that remind the customers that they must take a snapshot before the upgrade. Customers will need to restore their version from the...
snapshot, apply the pre-1.8 enterprise binary version they wish to roll back, and bring up the clusters.

### Q: Is there a limited time for support of licenses that are in storage?

The support of licenses installed by alternative means often leads to difficulties providing the appropriate support. To provide the support expected by our customers, we plan to scale support for licenses in storage for Vault. With this plan, Vault customers have up to a 1-year migration period, or until the release of Vault 1.11, to migrate their licenses from in-storage to auto-loading. Starting with Vault 1.11, licensing endpoints that are put in storage will be removed, and Vault will no longer check for valid licenses in storage. This change requires that all customers have auto-loaded licenses to upgrade to 1.11(+) successfully.

{{#if this.licenseExpired}}
  <div class="license-banner-wrapper" data-test-license-banner data-test-license-banner-expired>
    <AlertBanner
      @type="danger"
      @title="License expired"
      @message="Your Vault license expired on {{date-format @expiry "MMM d, yyyy"}}. Add a new license to your configuration and restart Vault."
      @marginless={{true}}
    >
      <a href="https://learn.hashicorp.com/tutorials/nomad/hashicorp-enterprise-license" target="_blank" rel="noreferrer noopener">Read documentation</a>
    </AlertBanner>
  </div>
{{/if}}

{{else if (lte this.licenseExpiringInDays 30)}}
  <div class="license-banner-wrapper" data-test-license-banner data-test-license-banner-warning>
    <AlertBanner
      @type="warning"
      @title="Vault license expiring"
      @message="Your Vault license will expire in {{this.licenseExpiringInDays}} days at {{date-format @expiry "hh:mm:ss a"}} on {{date-format @expiry "MMM d, yyyy"}}. {{if @autoloaded 'Add a new license to your configuration.' 'Keep in mind that your next license will need to be autoloaded'}}"
      @marginless={{true}}
    >
      <a href="https://learn.hashicorp.com/tutorials/nomad/hashicorp-enterprise-license" target="_blank" rel="noreferrer noopener">Read documentation</a>
    </AlertBanner>
  </div>
{{/else}}

.package license

// Features is a bitmask of feature flags
type Features uint
const FeatureNone Features = 0

func (f Features) HasFeature(flag Features) bool {
    return false
}
---
layout: docs
page_title: license get - Command
description: |-
The "license get" command reports on the license in use.
---

# license get

The `license get` command reports on the license in use. With the `-signed` flag, it will return the actual license string, but only if the license is stored, as opposed to [autoloading](/docs/enterprise/license/autoloading).

## Examples

Describe current license:

```shell-session
$ vault license get
Key                          Value
---                          ----- 
expiration_time              2022-05-17T23:59:59.999Z
features                     [HSM Performance Replication DR Replication MFA Sentinel Seal Wrapping Control Groups Performance Standby Namespaces KMIP Entropy Augmentation Transform Secrets Engine Lease Count Quotas Key Management Secrets Engine Automated Snapshots]
license_id                   060d7820-fa59-f95c-832b-395db0aeb9ba
performance_standby_count   9999
start_time                   2021-05-17T00:00:00Z
```

Get stored license string:

```shell-session
$ vault license get -signed
02MV4UU43BK5H...
```

Try to get stored license string when using autoloading:

```shell-session
$ vault license get -signed
License not found or using a temporary license.
```
## Usage

The following flags are available in addition to the [standard set of flags](/docs/commands) included on all commands.

### Command Options

- `-signed` `(bool: false)` - Return the signed license string when using a stored license.

---

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David Megginson
david@megginson.com
2000-01-14

1.3969 get-spdx-license-ids 2.1.0

1.3969.1 Available under license:

A [Node.js](https://nodejs.org/) module to get an array of the latest [SPDX license](https://spdx.org/licenses/) identifiers from [spdx.org](https://spdx.org/)

```javascript
const getSpdxLicenseIds = require('get-spdx-license-ids');

(async () => {
    const ids = await getSpdxLicenseIds();
    //=> ['0BSD', 'AAL', 'Abstyles', 'Adobe-2006', 'Adobe-Glyph', 'ADSL', 'AFL-1.1', 'AFL-1.2', ...
})
```

## Installation

[Use](https://docs.npmjs.com/cli/install) [npm](https://docs.npmjs.com/getting-started/what-is-npm).

```bash
npm install get-spdx-license-ids
```

## API
```javascript

```javascript
const getSpdxLicenseIds = require('get-spdx-license-ids');
```

```javascript
### getSpdxLicenseIds([*options*])

*options*: `Object` ([`request` options](https://github.com/request/request#requestoptions-callback) without `json` option that defaults to `true`)
Return: `Promise<Array<string>>`

It retrieves an array of non-deprecated SPDX license identifiers from <https://spdx.org/licenses/licenses.json>.

```javascript
(async () => {
    const ids = await getSpdxLicenseIds();
    ids.includes('MIT'); //=> true
    ids.includes('ISC'); //=> true

    ids.includes('GPL-1.0'); //=> false
})
```

```javascript
### getSpdxLicenseIds.deprecated([*options*])

Retrieves deprecated IDs only.

```javascript
(async () => {
    const deprecatedIds = await getSpdxLicenseIds.deprecated();
    deprecatedIds.includes('MIT'); //=> false
    deprecatedIds.includes('ISC'); //=> false

    deprecatedIds.includes('GPL-1.0'); //=> true
})();
```

```javascript
### getSpdxLicenseIds.all([*options*])

Retrieves both deprecated and non-deprecated IDs in a single array.

```javascript
(async () => {
    const allIds = await getSpdxLicenseIds.all();
    allIds.includes('MIT'); //=> true
    allIds.includes('ISC'); //=> true
    allIds.includes('GPL-1.0'); //=> false
})();
```
### getSpdxLicenseIds.both([*options*])

Retrieves both deprecated and non-deprecated IDs in two separate arrays.

```javascript
(async () => {
  const pair = await getSpdxLicenseIds.both();
  pair.length; //=> 2

  const [valid, deprecated] = pair;

  valid.includes('MIT'); //=> true
  valid.includes('ISC'); //=> true

  valid.includes('GPL-1.0'); //=> false

  deprecated.includes('MIT'); //=> false
  deprecated.includes('ISC'); //=> false

  deprecated.includes('GPL-1.0'); //=> true
})();
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1.3971 character-entities-legacy 1.1.1

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-- vile: txtmode file-encoding=utf-8

1.3974 node-promise-retry 2.0.1-1

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1.3975 csscolorparser 1.0.3
1.3975.1 Available under license :

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https://github.com/deanm/css-color-parser-js

JavaScript parser for CSS color strings.

> parseCSSColor('rgba (255, 128, 12, 0.5)');
  [ 255, 128, 12, 0.5 ]
> parseCSSColor('#fff');
  [ 255, 255, 255, 1 ]
> parseCSSColor('#ff0011');
  [ 255, 0, 17, 1 ]
> parseCSSColor('slateblue');
  [ 106, 90, 205, 1 ]
> parseCSSColor('blah');
null
> parseCSSColor('ffffff');
null
> parseCSSColor('hsla(900, 15%, 90%, 0.5)')
  [ 226, 233, 233, 0.5 ]
> parseCSSColor('hsla(900, 15%, 90%)')
null
> parseCSSColor('hsl(900, 15%, 90%)')
  [ 226, 233, 233, 1 ]
> parseCSSColor('hsl(900, 0.15, 90%)')  // NOTE: not spec compliant.
  [ 226, 233, 233, 1 ]

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1.3976 kafka-log4j-appender 2.0.1

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1.3978 jackson-module-jaxb-annotations 2.9.7

1.3979 kbn-es-query 1.0.0

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* /opt/ws_local/PERMITS_SQL/1022263313_1596469722.84/0/kbn-es-query/target/kuery/filter_migration/__tests__/range.js
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1.3980 babel-loader 7.1.5

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1.3982 hk2-api 2.5.0

1.3983 file 5.30-1+deb9u2

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1.3988 nghttp2 1.43.0-1

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set yrange [0:]
set terminal pngcairo font 'Sans, 8' lw 1 size 1400,1024
set xtics rotate by -45
set style histogram errorbars gap 2 lw 1
set style fill solid border -1
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1.3989 write-file-atomic 3.0.3

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1.3990 p-locate 2.0.0

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1.3991 kr-fs v0.0.0-20131111012553

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1.3992 depd 2.0.0

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* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/pool/AbstractChannelPoolHandler.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/pool/ChannelHealthChecker.java
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* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/pool/package-info.java
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* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/socket/nio/NioChannelOption.java

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* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/socket/oio/OioSocketChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/group/ChannelGroup.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/ChannelId.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/ChannelOutboundBuffer.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/MessageSizeEstimator.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/DefaultChannelId.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/ConnectTimeoutException.java
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* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/AbstractEventLoopGroup.java
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/*
**
** Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in
** its { @link ChannelPipeline }.  
**
** { @link ChannelHandler } itself does not provide many methods, but you usually have to implement one of its
** subtypes:
**
** <ul>
** <li> { @link ChannelInboundHandler } to handle inbound I/O events, and</li>
** <li> { @link ChannelOutboundHandler } to handle outbound I/O operations.</li>
** </ul>
** </p>
**
** Alternatively, the following adapter classes are provided for your convenience:
**
** <ul>
** <li> { @link ChannelInboundHandlerAdapter } to handle inbound I/O events,</li>
** <li> { @link ChannelOutboundHandlerAdapter } to handle outbound I/O operations, and</li>
** <li> { @link ChannelDuplexHandler } to handle both inbound and outbound events</li>
** </ul>
** 
**
* For more information, please refer to the documentation of each subtype.
* </p>
*
* <h3>The context object</h3>
* <p>
* A {@link ChannelHandler} is provided with a {@link ChannelHandlerContext} object. A {@link ChannelHandler} is supposed to interact with the
* {@link ChannelPipeline} it belongs to via a context object. Using the
* context object, the {@link ChannelHandler} can pass events upstream or
downstream, modify the pipeline dynamically, or store the information
*(using {@link AttributeKey}s) which is specific to the handler.
* 
* <h3>State management</h3>
*
* A {@link ChannelHandler} often needs to store some stateful information.
* The simplest and recommended approach is to use member variables:
* <pre>
* public interface Message {
*     // your methods here
* }
*
* public class DataServerHandler extends {@link SimpleChannelInboundHandler}&lt;Message&gt; { 
*     
*     private boolean loggedIn;
* 
*     { @code @Override
*     public void channelRead0(@link ChannelHandlerContext) ctx, Message message) {
*         if (message instanceof LoginMessage) {
*             authenticate((LoginMessage) message);
*             loggedIn = true;</b><\b>
*         } else (message instanceof GetDataMessage) {
*             if (loggedIn) {
*                 ctx.writeAndFlush(fetchSecret((GetDataMessage) message));
*             } else {
*                 fail();
*             }
*         }
*     }
*     ... 
* }
* </pre>
* Because the handler instance has a state variable which is dedicated to
* one connection, you have to create a new handler instance for each new
* channel to avoid a race condition where a unauthenticated client can get
* the confidential information:
* <pre>
* // Create a new handler instance per channel.
* // See {@link ChannelInitializer#initChannel(Channel)}.
* public class DataServerInitializer extends { @link ChannelInitializer}@lt;{ @link Channel}@gt; { 
*   { @code @Override } 
*   public void initChannel({ @link Channel} channel) { 
*       channel.pipeline().addLast("handler", <b>new DataServerHandler()</b>); 
*   } 
* } 
* </pre>
* 
* <h4>Using { @link AttributeKey}s</h4>
* 
* Although it's recommended to use member variables to store the state of a 
* handler, for some reason you might not want to create many handler instances. 
* In such a case, you can use { @link AttributeKey}s which is provided by 
* { @link ChannelHandlerContext}: 
* 
* public interface Message { 
*     // your methods here 
* } 
* 
* { @code @Sharable } 
* public class DataServerHandler extends { @link SimpleChannelInboundHandler}@lt;Message@gt; { 
*   private final { @link AttributeKey}@lt;{ @link Boolean}@gt; auth = 
*       { @link AttributeKey#valueOf(String) AttributeKey.valueOf("auth")}; 
*   
*   { @code @Override } 
*   public void channelRead({ @link ChannelHandlerContext} ctx, Message message) { 
*       Attribute<@link Boolean> attr = ctx.attr(auth); 
*       if (message instanceof LoginMessage) 
*           authenticate((LoginMessage) o); 
*       <b>attr.set(true)</b>; 
*   } else (message instanceof GetDataMessage) 
*       if (<b>Boolean.TRUE.equals(attr.get())</b>) { 
*           ctx.writeAndFlush(fetchSecret((GetDataMessage) o)); 
*       } else { 
*           fail(); 
*       } 
*   } 
* } 
* 
* Now that the state of the handler is attached to the { @link ChannelHandlerContext}, you can add the 
* same handler instance to different pipelines: 
* <pre>
* public class DataServerInitializer extends { @link ChannelInitializer}@lt;{ @link Channel}@gt; { 
*   private static final DataServerHandler <b>SHARED</b> = new DataServerHandler(); 
* </pre>
* { @code @Override}
* public void initChannel({@link Channel} channel) {
*     channel.pipeline().addLast("handler", \bSHARED\b);
* }
* }
* </pre>

* <h4>The \{ @code @Sharable \} annotation</h4>
* <p>
* In the example above which used an \{ @link AttributeKey \},
* you might have noticed the \{ @code @Sharable \} annotation.
* <p>
* If a \{ @link ChannelHandler \} is annotated with the \{ @code @Sharable \}
* annotation, it means you can create an instance of the handler just once and
* add it to one or more \{ @link ChannelPipeline \}s multiple times without
* a race condition.
* <p>
* If this annotation is not specified, you have to create a new handler
* instance every time you add it to a pipeline because it has unshared state
* such as member variables.
* <p>
* This annotation is provided for documentation purpose, just like
* a \href="http://www.javaconcurrencyinpractice.com/annotations/doc/">the JCIP annotations</a>.
* 
* <h3>Additional resources worth reading</h3>
* <p>
* Please refer to the \{ @link ChannelHandler \}, and
* \{ @link ChannelPipeline \} to find out more about inbound and outbound operations,
* what fundamental differences they have, how they flow in a pipeline, and how to handle
* the operation in your application.
* */

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* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/internal/package-info.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/bootstrap/FailedChannel.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/socket/oio/OioDatagramChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/socket/ChannelOutputShutdownEvent.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/socket/ChannelOutputShutdownException.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/DelegatingChannelPromiseNotifier.java
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* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/PendingBytesTracker.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/nio/SelectedSelectionKeySetSelector.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/socket/oio/DefaultOioDatagramChannelConfig.java

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* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1.jar/io/netty/channel/CombinedChannelDuplexHandler.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1.jar/io/netty/channel/socket/oio/OioSocketChannel.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1.jar/io/netty/channel/oio/AbstractOioMessageChannel.java
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* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1.jar/io/netty/channel/oio/package-info.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1.jar/io/netty/channel/DefaultChannelPipeline.java
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* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1.jar/io/netty/channel/oio/package-info.java
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* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/SelectStrategyFactory.java  
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* /opt/cola/permits/1137446020_1614084835.77/0/ohc-core-0-4-4-sources-2-jar/org/caffinitas/ohc/linked/BufferedReadableByteChannel.java
* /opt/cola/permits/1137446020_1614084835.77/0/ohc-core-0-4-4-sources-2-jar/org/caffinitas/ohc/linked/Util.java
* /opt/cola/permits/1137446020_1614084835.77/0/ohc-core-0-4-4-sources-2-jar/org/caffinitas/ohc/tables/Uns.java
* /opt/cola/permits/1137446020_1614084835.77/0/ohc-core-0-4-4-sources-2-jar/org/caffinitas/ohc/tables/CompressingOutputChannel.java
* /opt/cola/permits/1137446020_1614084835.77/0/ohc-core-0-4-4-sources-2-jar/org/caffinitas/ohc/tables/DirectValueAccessImpl.java
* /opt/cola/permits/1137446020_1614084835.77/0/ohc-core-0-4-4-sources-2-jar/org/caffinitas/ohc/tables/BufferedReaderableByteChannel.java
* /opt/cola/permits/1137446020_1614084835.77/0/ohc-core-0-4-4-sources-2-jar/org/caffinitas/ohc/tables/Util.java
1.4002 systemd 241-7~deb10u6

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* /opt/cola/permits/1110633679_1606843889.89/0/des-js-1-0-0-5-tgz/package/README.md

1.4025 tzdata 2020d-0+deb10u1
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1.4026 elliptic 6.5.4

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* /opt/cola/permits/1165431708_1621012273.11/0/indutny-elliptic-v6-5-4-0-g43ac7f2-1-tar-gz/indutny-elliptic-956793a/benchmarks/deps/secp256k1.js
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* 
* EC Diffie-Hellman (ECDH) based on Curve25519 and digital signatures (EdDSA)
* based on Ed25519.
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c=d[a];o(0!==c),n="affine"===e.type?0<c?n.mixedAdd(f[c-1>>1]):n.mixedAdd(f[-c-1>>1].neg()):0<c?n.add(f[c1>>1]):n.add(f[-c1>>1].neg())}return"affine"===e.type?n.toP():n},d.prototype._wnafMulAdd=function(e,t,i,r,f){for(var
d,n=this._wnafT1,a=this._wnafT2,s=this._wnafT3,c=0,h=0;h<r;h++){var
o=(d=t[h])._getNAFPoints(e);n[h]=o.wnd,a[h]=o.points}for(h=r-1;1<=h;h-=2){var u=h1,b=h;if(1===n[u]&&1===n[b]){var
l=[t[u],null,null,t[b]];0===t[u].y.cmp(t[b].y)?(l[1]=t[u].add(t[b]),l[2]=t[u].toJ().mixedAdd(t[b].neg())):0===t[u].y.c
u].toJ().mixedAdd(t[b].neg()));var p=[-3,-1,-5,-7,0,7,5,1,3],m=I(i[u],i[b]),c=Math.max(m[0].length,c);for(s[u]=new
Array(c),s[b]=new Array(c),_=0;_<c;_++){var
v=0|m[0][_],g=0|m[1][_];s[u][_]=p[3*(1+v)+(1+g)],s[b][_]=0,a[u]=l}}else
s[u]=x(i[u],n[u],this._bitLength),s[b]=x(i[b],n[b],this._bitLength),c=Math.max(s[u].length,c),c=Math.max(s[b].lengt
h,c)}var y=this.jpoint(null,null,null),M=this._wnafT4;for(h=c;0<=h;h--){for(var w=0;0<=h;){for(var
S=!0,_=0;_<r;_++)M[_]=0|s[_][h],0!==M[_]&&(S=!1);if(!S)break;w++,h-}if(0<=h&&w++,y=y.dblp(w),h<0)break;for(_=0;_<r;_++){var A=M[_];0!==A&&(0<A?d=a[_][A1>>1]:A<0&&(d=a[_][-A1>>1].neg()),y="affine"===d.type?y.mixedAdd(d):y.add(d))}}for(h=0;h<r;h++)a[h]=null;return
f?y:y.toP()},(d.BasePoint=n).prototype.eq=function(){throw new Error("Not
implemented")},n.prototype.validate=function(){return
this.curve.validate(this)},d.prototype.decodePoint=function(e,t){e=f.toArray(e,t);t=this.p.byteLength();if((4===e[0]|
|6===e[0]||7===e[0])&&e.length-1==2*t)return 6===e[0]?o(e[e.length-1]%2==0):7===e[0]&&o(e[e.length1]%2==1),this.point(e.slice(1,1+t),e.slice(1+t,1+2*t));if((2===e[0]||3===e[0])&&e.length-1===t)return
this.pointFromX(e.slice(1,1+t),3===e[0]);throw new Error("Unknown point
format")},n.prototype.encodeCompressed=function(e){return
this.encode(e,!0)},n.prototype._encode=function(e){var
t=this.curve.p.byteLength(),i=this.getX().toArray("be",t);return
e?[this.getY().isEven()?2:3].concat(i):[4].concat(i,this.getY().toArray("be",t))},n.prototype.encode=function(e,t){ret
urn f.encode(this._encode(t),e)},n.prototype.precompute=function(e){if(this.precomputed)return this;var
t={doubles:null,naf:null,beta:null};return
t.naf=this._getNAFPoints(8),t.doubles=this._getDoubles(4,e),t.beta=this._getBeta(),this.precomputed=t,this},n.proto
type._hasDoubles=function(e){if(!this.precomputed)return!1;var
t=this.precomputed.doubles;return!!t&&t.points.length>=Math.ceil((e.bitLength()+1)/t.step)},n.prototype._getDoubl
es=function(e,t){if(this.precomputed&&this.precomputed.doubles)return this.precomputed.doubles;for(var
i=[this],r=this,f=0;f<t;f+=e){for(var
d=0;d<e;d++)r=r.dbl();i.push(r)}return{step:e,points:i}},n.prototype._getNAFPoints=function(e){if(this.precompute
d&&this.precomputed.naf)return this.precomputed.naf;for(var t=[this],i=(1<<e)1,r=1==i?null:this.dbl(),f=1;f<i;f++)t[f]=t[f1].add(r);return{wnd:e,points:t}},n.prototype._getBeta=function(){return
null},n.prototype.dblp=function(e){for(var t=this,i=0;i<e;i++)t=t.dbl();return
t}},{"../utils":15,"bn.js":16}],3:[function(e,t,i){"use strict";var
r=e("../utils"),d=e("bn.js"),f=e("inherits"),n=e("./base"),a=r.assert;function
s(e){this.twisted=1!=(0|e.a),this.mOneA=this.twisted&&1==(0|e.a),this.extended=this.mOneA,n.call(this,"edwards",e),this.a=new
d(e.a,16).umod(this.red.m),this.a=this.a.toRed(this.red),this.c=new
d(e.c,16).toRed(this.red),this.c2=this.c.redSqr(),this.d=new
d(e.d,16).toRed(this.red),this.dd=this.d.redAdd(this.d),a(!this.twisted||0===this.c.fromRed().cmpn(1)),this.oneC=1=
=(0|e.c)}function
c(e,t,i,r,f){n.BasePoint.call(this,e,"projective"),null===t&&null===i&&null===r?(this.x=this.curve.zero,this.y=this.

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curve.one,this.z=this.curve.one,this.t=this.curve.zero,this.zOne=!0):(this.x=new d(t,16),this.y=new
d(i,16),this.z=r?new d(r,16):this.curve.one,this.t=f&&new
d(f,16),this.x.red||(this.x=this.x.toRed(this.curve.red)),this.y.red||(this.y=this.y.toRed(this.curve.red)),this.z.red||(this.
z=this.z.toRed(this.curve.red)),this.t&&!this.t.red&&(this.t=this.t.toRed(this.curve.red)),this.zOne=this.z===this.cur
ve.one,this.curve.extended&&!this.t&&(this.t=this.x.redMul(this.y),this.zOne||(this.t=this.t.redMul(this.z.redInvm()
))))}f(s,n),(t.exports=s).prototype._mulA=function(e){return
this.mOneA?e.redNeg():this.a.redMul(e)},s.prototype._mulC=function(e){return
this.oneC?e:this.c.redMul(e)},s.prototype.jpoint=function(e,t,i,r){return
this.point(e,t,i,r)},s.prototype.pointFromX=function(e,t){var i=(e=!(e=new
d(e,16)).red?e.toRed(this.red):e).redSqr(),r=this.c2.redSub(this.a.redMul(i)),i=this.one.redSub(this.c2.redMul(this.d)
.redMul(i)),r=r.redMul(i.redInvm()),i=r.redSqrt();if(0!==i.redSqr().redSub(r).cmp(this.zero))throw new
Error("invalid
point");r=i.fromRed().isOdd();return(t&&!r||!t&&r)&&(i=i.redNeg()),this.point(e,i)},s.prototype.pointFromY=funct
ion(e,t){var i=(e=!(e=new
d(e,16)).red?e.toRed(this.red):e).redSqr(),r=i.redSub(this.c2),i=i.redMul(this.d).redMul(this.c2).redSub(this.a),r=r.re
dMul(i.redInvm());if(0===r.cmp(this.zero)){if(t)throw new Error("invalid point");return
this.point(this.zero,e)}i=r.redSqrt();if(0!==i.redSqr().redSub(r).cmp(this.zero))throw new Error("invalid
point");return
i.fromRed().isOdd()!==t&&(i=i.redNeg()),this.point(i,e)},s.prototype.validate=function(e){if(e.isInfinity())return!0;
e.normalize();var
t=e.x.redSqr(),i=e.y.redSqr(),e=t.redMul(this.a).redAdd(i),i=this.c2.redMul(this.one.redAdd(this.d.redMul(t).redMul
(i)));return 0===e.cmp(i)},f(c,n.BasePoint),s.prototype.pointFromJSON=function(e){return
c.fromJSON(this,e)},s.prototype.point=function(e,t,i,r){return new c(this,e,t,i,r)},c.fromJSON=function(e,t){return
new c(e,t[0],t[1],t[2])},c.prototype.inspect=function(){return this.isInfinity()?"<EC Point Infinity>":"<EC Point x:
"+this.x.fromRed().toString(16,2)+" y: "+this.y.fromRed().toString(16,2)+" z:
"+this.z.fromRed().toString(16,2)+">"},c.prototype.isInfinity=function(){return
0===this.x.cmpn(0)&&(0===this.y.cmp(this.z)||this.zOne&&0===this.y.cmp(this.curve.c))},c.prototype._extDbl=f
unction(){var
e=this.x.redSqr(),t=this.y.redSqr(),i=(i=this.z.redSqr()).redIAdd(i),r=this.curve._mulA(e),f=this.x.redAdd(this.y).red
Sqr().redISub(e).redISub(t),d=r.redAdd(t),e=d.redSub(i),i=r.redSub(t),r=f.redMul(e),t=d.redMul(i),i=f.redMul(i),d=
e.redMul(d);return this.curve.point(r,t,d,i)},c.prototype._projDbl=function(){var
e,t,i,r,f,d,n=this.x.redAdd(this.y).redSqr(),a=this.x.redSqr(),s=this.y.redSqr();return
d=this.curve.twisted?(f=(i=this.curve._mulA(a)).redAdd(s),this.zOne?(e=n.redSub(a).redSub(s).redMul(f.redSub(thi
s.curve.two)),t=f.redMul(i.redSub(s)),f.redSqr().redSub(f).redSub(f)):(r=this.z.redSqr(),d=f.redSub(r).redISub(r),e=n
.redSub(a).redISub(s).redMul(d),t=f.redMul(i.redSub(s)),f.redMul(d))):(i=a.redAdd(s),r=this.curve._mulC(this.z).re
dSqr(),d=i.redSub(r).redSub(r),e=this.curve._mulC(n.redISub(i)).redMul(d),t=this.curve._mulC(i).redMul(a.redISub
(s)),i.redMul(d)),this.curve.point(e,t,d)},c.prototype.dbl=function(){return
this.isInfinity()?this:this.curve.extended?this._extDbl():this._projDbl()},c.prototype._extAdd=function(e){var
t=this.y.redSub(this.x).redMul(e.y.redSub(e.x)),i=this.y.redAdd(this.x).redMul(e.y.redAdd(e.x)),r=this.t.redMul(this
.curve.dd).redMul(e.t),f=this.z.redMul(e.z.redAdd(e.z)),d=i.redSub(t),e=f.redSub(r),f=f.redAdd(r),r=i.redAdd(t),i=d.
redMul(e),t=f.redMul(r),r=d.redMul(r),f=e.redMul(f);return
this.curve.point(i,t,f,r)},c.prototype._projAdd=function(e){var
t,i=this.z.redMul(e.z),r=i.redSqr(),f=this.x.redMul(e.x),d=this.y.redMul(e.y),n=this.curve.d.redMul(f).redMul(d),a=r
.redSub(n),n=r.redAdd(n),e=this.x.redAdd(this.y).redMul(e.x.redAdd(e.y)).redISub(f).redISub(d),e=i.redMul(a).red
Mul(e),n=this.curve.twisted?(t=i.redMul(n).redMul(d.redSub(this.curve._mulA(f))),a.redMul(n)):(t=i.redMul(n).red
Mul(d.redSub(f)),this.curve._mulC(a).redMul(n));return this.curve.point(e,t,n)},c.prototype.add=function(e){return
this.isInfinity()?e:e.isInfinity()?this:this.curve.extended?this._extAdd(e):this._projAdd(e)},c.prototype.mul=function
(e){return

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r=e("../utils"),y=e("bn.js"),f=e("inherits"),d=e("./base"),n=r.assert;function a(e){d.call(this,"short",e),this.a=new
y(e.a,16).toRed(this.red),this.b=new
y(e.b,16).toRed(this.red),this.tinv=this.two.redInvm(),this.zeroA=0===this.a.fromRed().cmpn(0),this.threeA=0===t
his.a.fromRed().sub(this.p).cmpn(-3),this.endo=this._getEndomorphism(e),this._endoWnafT1=new
Array(4),this._endoWnafT2=new Array(4)}function
s(e,t,i,r){d.BasePoint.call(this,e,"affine"),null===t&&null===i?(this.x=null,this.y=null,this.inf=!0):(this.x=new
y(t,16),this.y=new
y(i,16),r&&(this.x.forceRed(this.curve.red),this.y.forceRed(this.curve.red)),this.x.red||(this.x=this.x.toRed(this.curve
.red)),this.y.red||(this.y=this.y.toRed(this.curve.red)),this.inf=!1)}function
c(e,t,i,r){d.BasePoint.call(this,e,"jacobian"),null===t&&null===i&&null===r?(this.x=this.curve.one,this.y=this.cur
ve.one,this.z=new y(0)):(this.x=new y(t,16),this.y=new y(i,16),this.z=new
y(r,16)),this.x.red||(this.x=this.x.toRed(this.curve.red)),this.y.red||(this.y=this.y.toRed(this.curve.red)),this.z.red||(this
.z=this.z.toRed(this.curve.red)),this.zOne=this.z===this.curve.one}f(a,d),(t.exports=a).prototype._getEndomorphis
m=function(e){var t,i,r;if(this.zeroA&&this.g&&this.n&&1===this.p.modn(3))return i=(e.beta?new
y(e.beta,16):i=(r=this._getEndoRoots(this.p))[0].cmp(r[1])<0?r[0]:r[1]).toRed(this.red),e.lambda?t=new
y(e.lambda,16):(r=this._getEndoRoots(this.n),0===this.g.mul(r[0]).x.cmp(this.g.x.redMul(i))?t=r[0]:(t=r[1],n(0===t
his.g.mul(t).x.cmp(this.g.x.redMul(i))))),{beta:i,lambda:t,basis:e.basis?e.basis.map(function(e){return{a:new
y(e.a,16),b:new y(e.b,16)}}):this._getEndoBasis(t)}},a.prototype._getEndoRoots=function(e){var
t=e===this.p?this.red:y.mont(e),i=new y(2).toRed(t).redInvm(),e=i.redNeg(),i=new
y(3).toRed(t).redNeg().redSqrt().redMul(i);return[e.redAdd(i).fromRed(),e.redSub(i).fromRed()]},a.prototype._getE
ndoBasis=function(e){for(var
t,i,r,f,d,n,a,s=this.n.ushrn(Math.floor(this.n.bitLength()/2)),c=e,h=this.n.clone(),o=new y(1),u=new y(0),b=new
y(0),l=new y(1),p=0;0!==c.cmpn(0);){var
m=h.div(c),v=h.sub(m.mul(c)),g=b.sub(m.mul(o)),m=l.sub(m.mul(u));if(!r&&v.cmp(s)<0)t=a.neg(),i=o,r=v.neg(),f
=g;else if(r&&2==++p)break;h=c,c=a=v,b=o,o=g,l=u,u=m}d=v.neg(),n=g;e=r.sqr().add(f.sqr());return
0<=d.sqr().add(n.sqr()).cmp(e)&&(d=t,n=i),r.negative&&(r=r.neg(),f=f.neg()),d.negative&&(d=d.neg(),n=n.neg()),[
{a:r,b:f},{a:d,b:n}]},a.prototype._endoSplit=function(e){var
t=this.endo.basis,i=t[0],r=t[1],f=r.b.mul(e).divRound(this.n),d=i.b.neg().mul(e).divRound(this.n),n=f.mul(i.a),t=d.m
ul(r.a),i=f.mul(i.b),r=d.mul(r.b);return{k1:e.sub(n).sub(t),k2:i.add(r).neg()}},a.prototype.pointFromX=function(e,t){
var i=(e=!(e=new
y(e,16)).red?e.toRed(this.red):e).redSqr().redMul(e).redIAdd(e.redMul(this.a)).redIAdd(this.b),r=i.redSqrt();if(0!==r
.redSqr().redSub(i).cmp(this.zero))throw new Error("invalid
point");i=r.fromRed().isOdd();return(t&&!i||!t&&i)&&(r=r.redNeg()),this.point(e,r)},a.prototype.validate=function(
e){if(e.inf)return!0;var t=e.x,i=e.y,e=this.a.redMul(t),e=t.redSqr().redMul(t).redIAdd(e).redIAdd(this.b);return
0===i.redSqr().redISub(e).cmpn(0)},a.prototype._endoWnafMulAdd=function(e,t,i){for(var
r=this._endoWnafT1,f=this._endoWnafT2,d=0;d<e.length;d++){var
n=this._endoSplit(t[d]),a=e[d],s=a._getBeta();n.k1.negative&&(n.k1.ineg(),a=a.neg(!0)),n.k2.negative&&(n.k2.ineg
(),s=s.neg(!0)),r[2*d]=a,r[2*d+1]=s,f[2*d]=n.k1,f[2*d+1]=n.k2}for(var
i=this._wnafMulAdd(1,r,f,2*d,i),c=0;c<2*d;c++)r[c]=null,f[c]=null;return
i},f(s,d.BasePoint),a.prototype.point=function(e,t,i){return new
s(this,e,t,i)},a.prototype.pointFromJSON=function(e,t){return
s.fromJSON(this,e,t)},s.prototype._getBeta=function(){if(this.curve.endo){var
e=this.precomputed;if(e&&e.beta)return e.beta;var
t,i,r=this.curve.point(this.x.redMul(this.curve.endo.beta),this.y);return e&&(t=this.curve,i=function(e){return
t.point(e.x.redMul(t.endo.beta),e.y)},(e.beta=r).precomputed={beta:null,naf:e.naf&&{wnd:e.naf.wnd,points:e.naf.po
ints.map(i)},doubles:e.doubles&&{step:e.doubles.step,points:e.doubles.points.map(i)}}),r}},s.prototype.toJSON=fu
nction(){return
this.precomputed?[this.x,this.y,this.precomputed&&{doubles:this.precomputed.doubles&&{step:this.precomputed.d

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36x36

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r=this.curve.a,f=this.curve.tinv,d=this.x.n=this.x,y=a.this.redSqr().redSqr(),c=n.redAdd(n);for(i=0;i<e;i++)
{var h=d.redSqr(),o=c.redSqr(),u=o.redSqr(),b.h.red.Add(h).red.Add(h).red.Add(r.redMul(s)),h=d.redMul(o),c=b.redSqr()
.redAdd(b).redAdd(h).h.red.Add(b).redAdd(b).red.Add(h).h.c.redMul(a);i+1<e&

(s=s.red

Mul(u)),d=0,a=0,c=b}return this.curve.jpoint(d.redMul(f),a).c.prototype.dbl=function() {return this.isInfinity()?
this.curve.zeroA?this._zeroDbl():this.curve.threeDbl():this._dbl()}.c.prototype._zeroDbl=function(){
var e,i=r,f=d=this.zOne?i=this.x.redSqr(),e=(r=this.y.redSqr()).redSqr(),f=(f=this.x.redAdd(i).redAdd(i)).redAdd(f),
i=i}(i=i=redAdd(i).redAdd(i)).redAdd(i),i=e=r.redMul(f.redAdd(r)).redAdd(i),i=}
var e,i=r,f=d=this.zOne?i=this.x.redSqr(),e=(r=this.y.redSqr()).redSqr(),f=(f=this.x.redAdd(i).redAdd(i)).redAdd(f),
i=i}(i=i=redAdd(i).redAdd(i)).redAdd(i),i=e=r.redMul(f.redAdd(r)).redAdd(i),i=}
var e,i=r,f=d=this.zOne?i=this.x.redSqr(),e=(r=this.y.redSqr()).redSqr(),f=(f=this.x.redAdd(i).redAdd(i)).redAdd(f),
i=i}(i=i=redAdd(i).redAdd(i)).redAdd(i),i=e=r.redMul(f.redAdd(r)).redAdd(i),i=}
var e,i=r,f=d=this.zOne?i=this.x.redSqr(),e=(r=this.y.redSqr()).redSqr(),f=(f=this.x.redAdd(i).redAdd(i)).redAdd(f),
i=i}(i=i=redAdd(i).redAdd(i)).redAdd(i),i=e=r.redMul(f.redAdd(r)).redAdd(i),i=}
var e,i=r,f=d=this.zOne?i=this.x.redSqr(),e=(r=this.y.redSqr()).redSqr(),f=(f=this.x.redAdd(i).redAdd(i)).redAdd(f),
i=i}(i=i=redAdd(i).redAdd(i)).redAdd(i),i=e=r.redMul(f.redAdd(r)).redAdd(i),i=}
var e,i=r,f=d=this.zOne?i=this.x.redSqr(),e=(r=this.y.redSqr()).redSqr(),f=(f=this.x.redAdd(i).redAdd(i)).redAdd(f),
i=i}(i=i=redAdd(i).redAdd(i)).redAdd(i),i=e=r.redMul(f.redAdd(r)).redAdd(i),i=}
var e,i=r,f=d=this.zOne?i=this.x.redSqr(),e=(r=this.y.redSqr()).redSqr(),f=(f=this.x.redAdd(i).redAdd(i)).redAdd(f),
i=i}(i=i=redAdd(i).redAdd(i)).redAdd(i),i=e=r.redMul(f.redAdd(r)).redAdd(i),i=}
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82ff1012","0719265 ffc89a78 63101ed 6b24cdd5 73977a1
1e794811
"},{"p":"224","type":"short","prime":null,"p":"ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff ffffffff 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```javascript
r = this.eddsa, t = this.hash(), i = e.encodingLength - 1, e[0] = 248, e[i] = 127, e[i+1] = 64, e[0] = e, e[0] = 'priv', function() {
    return this.eddsa.decodeInt(this.privBytes())}, e[0] = 'hash', function() {
    return this.eddsa.hash().update(this.secret()).digest()};
this.messagePrefix = function() {
    return this.hash().slice(this.eddsa.encodingLength)};
this.prototype.sign = function(e) {
    return r(this._secret, 'KeyPair can only verify'), this.eddsa.sign(e, this);}
this.prototype.verify = function(e, t) {
    return this.eddsa.verify(e, t, this);}
this.prototype.getSecret = function(e) {
    return r.encode(this.secret(), e), 'KeyPair is public only';}
this.prototype.getPublic = function(e) {
    return r.encode(this.pubBytes(), e), 'KeySpec is public only';
}

r = "(bn.js)", f = e("...", t, e, function(e, t) {
    return e[0] & 248, e[i] = 127, e[i+1] = 64, e[0] = e, e[0] = 'priv', function() {
        return this.eddsa.decodeInt(this.privBytes())}, e[0] = 'hash', function() {
            return this.eddsa.hash().update(this.secret()).digest()};
this.messagePrefix = function() {
    return this.hash().slice(this.eddsa.encodingLength)};
this.prototype.sign = function(e) {
    return r(this._secret, 'KeyPair can only verify'), this.eddsa.sign(e, this);}
this.prototype.verify = function(e, t) {
    return this.eddsa.verify(e, t, this);}
this.prototype.getSecret = function(e) {
    return r.encode(this.secret(), e), 'KeyPair is public only';}
this.prototype.getPublic = function(e) {
    return r.encode(this.pubBytes(), e), 'KeySpec is public only';
};

r = "(bn.js)", f = e("...", t, e, function(e, t) {
    return e[0] & 248, e[i] = 127, e[i] |= 64, e}), e[0] = t.slice(0, e.encodingLength); this.messagePrefix = function() {
    return this.hash().slice(this.eddsa.encodingLength)};
this.prototype.sign = function(e) {
    return r(this._secret, 'KeyPair can only verify'), this.eddsa.sign(e, this);}
this.prototype.verify = function(e, t) {
    return this.eddsa.verify(e, t, this);}
this.prototype.getSecret = function(e) {
    return r.encode(this.secret(), e), 'KeyPair is public only';}
this.prototype.getPublic = function(e) {
    return r.encode(this.pubBytes(), e), 'KeySpec is public only';
}
```

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```javascript
r=0,f=0;f<t;f++)r|=(1&e)<<t-f-1,e>>=1;return r},s.prototype.permute=function(e,i,t,f,d){for(var
n=0;n<d;++n){var r=0,f=0;f=t;f++)r|=(1&e)<<t-f-1,e>>=1;return r},s.prototype.permute=function(e,t,i,r,f,d){for(var
n=0;n<d;++n){var r=0,f=0;f=t;f++)r|=(1&e)<<t-f-1,e>>=1;return r},s.prototype.permute=function(e,i,t,f,d){for(var
n=0;n<d;++n){var r=0,f=0;f=t;f++)r|=(1&e)<<t-f-1,e>>=1;return r},s.prototype.permute=function(e,i,t,f,d){for(var
n=0;n<d;++n){var r=0,f=0;f=t;f++)r|=(1&e)<<t-f-1,e>>=1;return r},s.prototype.permute=function(e,i,t,f,d){for(var
n=0;n<d;++n){var r=0,f=0;f=t;f++)r|=(1&e)<<t-f-1,e>>=1;return r},s.prototype.permute=function(e,i,t,f,d){for(var
n=0;n<d;++n){var r=0,f=0;f=t;f++)r|=(1&e)<<t-f-1,e>>=1;return r},s.prototype.permute=function(e,i,t,f,d){for(var
n=0;n<d;++n){var r=0,f=0;f=t;f++)r|=(1&e)<<t-f-1,e>>=1;return r},s.prototype.permute=function(e,i,t,f,d){for(var
n=0;n<d;++n){var r=0,f=0;f=t;f++)r|=(1&e)<<t-f-1,e>>=1;return r},s.prototype.permute=function(e,i,t,f,d){for(var
n=0;n<d;++n){var r=0,f=0;f=t;f++)r|=(1&e)<<t-f-1,e>>=1;return r},s.prototype.permute=function(e,i,t,f,d){for(var
n=0;n<d;++n){var r=0,f=0;f=t;f++)r|=(1&e)<<t-f-1,e>>=1;return r},s.prototype.permute=function(e,i,t,f,d){for(var
n=0;n<d;++n){var r=0,f=0;f=t;f++)r|=(1&e)<<t-f-1,e>>=1;return r},s.prototype.permute=function(e,i,t,f,d){for(var
n=0;n<d;++n){var r=0,f=0;f=t;f++)r|=(1&e)<<t-f-1,e>>=1;return r},s.prototype.permute=function(e,i,t,f,d){for(var
n=0;n<d;++n){var r=0,f=0;f=t;f++)r|=(1&e)<<t-f-1,e>>=1;return r},s.prototype.permute=function(e,i,t,f,d){for(var
n=0;n<d;++n){var r=0,f=0;f=t;f++)r|=(1&e)<<t-f-1,e>>=1;return r},s.prototype.permute=function(e,i,t,f,d){for(var
n=0;n<d;++n){var r=0,f=0;f=t;f++)r|=(1&e)<<t-f-1,e>>=1;return r},s.prototype.permute=function(e,i,t,f,d){for(var
n=0;n<d;++n){var r=0,f=0;f=t;f++)r|=(1&e)<<t-f-1,e>>=1;return r},s.prototype.permute=function(e,i,t,f,d){for(var
n=0;n<d;++n){var r=0,f=0;f=t;f++)r|=(1&e)<<t-f-1,e>>=1;return r},s.prototype.permute=function(e,i,t,f,d){for(var
n=0;n<d;++n){var r=0,f=0;f=t;f++)r|=(1&e)<<t-f-1,e>>=1;return r},s.prototype.permute=function(e,i,t,f,d){for(var
n=0;n<d;++n){var r=0,f=0;f=t;f++)r|=(1&e)<<t-f-1,e>>=1;return r},s.prototype.permute=function(e,i,t,f,d){for(var
n=0;n<d;++n){var r=0,f=0;f=t;f++)r|=(1&e)<<t-f-1,e>>=1;return r},s.prototype.permute=function(e,i,t,f,d){for(var
n=0;n<d;++n){var r=0,f=0;f=t;f++)r|=(1&e)<<t-f-1,e>>=1;return r},s.prototype.permute=function(e,i,t,f,d){for(var
n=0;n<d;++n){var r=0,f=0;f=t;f++)r|=(1&e)<<t-f-1,e>>=1;return r},s.prototype.permute=function(e,i,t,f,d){for(var
n=0;n<d;++n){var r=0,f=0;f=t;f++)r|=(1&e)<<t-f-1,e>>=1;return r},s.prototype.permute=function(e,i,t,f,d){for(var
n=0;n<d;++n){var r=0,f=0;f=t;f...)```
t=this,i=e.clone(),t=0!==t.negative?t.umod(e):t.clone(),r=new m(1),f=new m(0),d=new m(0),n=new m(1),a=0;t.isEven()&&i.isEven();)t.iushrn(1),i.iushrn(1),++a;
for(var s=i.clone(),c=t.clone();!t.isZero();){for(var h=0,o=1;0==(t.words[0]&o)&&h<26;++h,o<<=1);if(0<h)for(t.iushrn(h);0<h--;)(r.isOdd()||f.isOdd())&&(r.iadd(s),f.isub(c)),r.iushrn(1),f.iushrn(1);
for(var u=0,h=1;0==(i.words[0]&h)&&u<26;++u,h<<=1);if(0<h)for(i.iushrn(h);0<h--;)(d.isOdd()||n.isOdd())&&(d.iadd(s),n.isub(c)),d.iushrn(1),n.iushrn(1);
0<=t.cmp(i)?(t.isub(i),r.isub(d),f.isub(n)):(i.isub(t),d.isub(r),n.isub(f))}return{a:d,b:n,gcd:i.iushln(a)}},m.prototype._invmp=function(e){p(0===e.negative),p(!e.isZero());for(var t,i=0!==i.negative?i.umod(e):i.clone(),r=e.clone(),i=0!==i.negative?i.umod(e):i.clone(),f=new m(1),d=new m(0),n=r.clone();0<i.cmpn(1)&&0<r.cmpn(1);){for(var a=0,s=1;0==(i.words[0]&s)&&a<26;++a,s<<=1);if(0<a)for(i.iushrn(a);0<a--;)(f.isOdd()&&f.iadd(n),f.iushrn(1));for(var c=0,h=1;0==(r.words[0]&h)&&c<26;++c,h<<=1);if(0<c)for(r.iushrn(c);0<c--;)(d.isOdd()&&d.iadd(n),d.iushrn(1));0<=i.cmp(r)?(i.isub(r),f.isub(d)):(r.isub(i),d.isub(f))}return(t=0===i.cmpn(1)?f:d).cmpn(0)<0&&t.iadd(e),t},m.prototype.gcd=function(e){if(this.isZero())return e.abs();if(e.isZero())return this.abs();var t=this.clone(),i=e.clone();t.negative=0;for(var r=i.negative=0;t.isEven()&&i.isEven();r++)t.iushrn(1),i.iushrn(1);for(;;){for(;t.isEven();)t.iushrn(1);for(;i.isEven();)i.iushrn(1);var f=t.cmpn(1);if(0===f||0===i.cmpn(1))break;var d=t;i=i;else if(0===(e=t=i.cmpn(1))){d=i;i=t;}
if(i.isZero())t=i;else{t=i;e=1;}t.iaddn(i);if(0===e){if(0===t){t=e;e=0;}else{d=i;e=t;i=d;}}else{i=i;e=e;}}}

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Ciphering

```javascript
function update(e, t) {
    if (e >>= toArray(e, t), this.pending ? this.pending.concat(e) : (this.pending = e), this.pendingTotal += e.length, this.pending.length >= this._delta8) {
        t = this.pending.length % this._delta8 ? new Array(1 + this.pending.length); r[0] = 128; for (var f = 1; f < i; f++) r[f] = 0; if (e <= 3, "big" == this.endian) for (var d = 8; d < this.pending.length; d++) r[i + d] = 0, r[i + d] = 0, r[i + d] = 0, r[i + d] = e >>> 24 & 255, r[i + d] = e >>> 16 & 255, r[i + d] = e >>> 8 & 255, r[i + d] = e >>> 0 & 255, r[i + d] = 0, d = 8; d < this.pending.length; d++) r[i + d] = return r[]); }}, /*utils*/30,"minimalistic-assert"/33]));21"[function(e, t, i)="/use strict"; var e = ("sha"1), i = sha244 = ("sha"244), i = sha256 = ("sha"256), i = sha384 = ("sha"384), i = sha512 = ("sha"512), ", "sha"1"/24,"sha"/24"/25,"sha"/256"/26,","sha"/384"/27,"sha"/512"/28);24"[function(e, t, i)="/use strict"; var
```

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Eclipse

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle
The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

------
Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

------
OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.4033 p11-kit 0.23.22-1

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1.4034 rufus-scheduler 3.0.9

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1.4038 go-homedir v1.1.0
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1.4044 logstash-mixin-http_client 6.0.1

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#*STARTUP: showall

* DNS resolver (dirmngr/dns.c)

```nsc.c - Recursive, Reentrant DNS Resolver.
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*
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-- $Id: COPYING,v 1.9 2020/02/08 13:34:12 tom Exp $

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1.4087 vega-canvas 1.0.1

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1.4088 nicolai86-scaleway-sdk v1.10.2-
0.20180628010248-798f60e20bb2

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1.4089 selinux 3.1-3

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1.4091 coreos-semver v0.3.0

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1.4092 boost 1.68.0-2
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# The TZ database itself is not an IETF Contribution or an IETF document. Rather it is a pre-existing and regularly updated work that is in the public domain, and is intended to remain in the public domain. Therefore, BCPs 78 [RFC5378] and 79 [RFC3979] do not apply to the TZ Database or contributions that individuals make to it. Should any claims be made and substantiated against the TZ Database, the organization that is providing the IANA Considerations defined in this RFC, under the memorandum of understanding with the IETF, currently ICANN, may act in accordance with all competent court orders. No ownership claims will be made by ICANN or the IETF Trust on the database or the code. Any person making a contribution to the database or code waives all rights to future claims in that contribution or in the TZ Database.

6. Google double-conversion

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1.4101 jzlib 1.1.3
1.4101.1 Available under license :
BSD
http://www.jcraft.com/jzlib/LICENSE.txt

1.4102 slop 3.6.0
1.4102.1 Available under license :
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1.4103 json 2.2.0
1.4103.1 Available under license :
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Distributed under the Ruby license: https://www.ruby-lang.org/en/about/license.txt

Found in path(s):
* /opt/cola/permits/1124883582_1611190559.22/0/flori-json-v2-2-0-0-g6550c42-tar-gz/flori-json-6550c42/ext/json/ext/generator/generator.c
No license file was found, but licenses were detected in source scan.

This code is copyrighted work by Daniel Luz <dev at mernen dot com>.

Distributed under the Ruby license: https://www.ruby-lang.org/en/about/license.txt

Found in path(s):
* /opt/cola/permits/1124883582_1611190559.22/0/flori-json-v2-2-0-0-g6550c42-tar-gz/flori-json-6550c42/java/src/json/ext/Parser.java
* /opt/cola/permits/1124883582_1611190559.22/0/flori-json-v2-2-0-0-g6550c42-tar-gz/flori-json-6550c42/java/src/json/ext/OptionsReader.java
* /opt/cola/permits/1124883582_1611190559.22/0/flori-json-v2-2-0-0-g6550c42-tar-gz/flori-json-6550c42/java/src/json/ext/GeneratorService.java
The JavaScript Object Notation (JSON) Data Interchange Format

Abstract

JavaScript Object Notation (JSON) is a lightweight, text-based, language-independent data interchange format. It was derived from the ECMAScript Programming Language Standard. JSON defines a small set of formatting rules for the portable representation of structured data.

This document removes inconsistencies with other specifications of JSON, repairs specification errors, and offers experience-based interoperability guidance.

Status of This Memo

This is an Internet Standards Track document.

This document is a product of the Internet Engineering Task Force (IETF). It represents the consensus of the IETF community. It has received public review and has been approved for publication by the Internet Engineering Steering Group (IESG). Further information on Internet Standards is available in Section 2 of RFC 5741.

Information about the current status of this document, any errata, and how to provide feedback on it may be obtained at http://www.rfc-editor.org/info/rfc7159.
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1. Introduction

JavaScript Object Notation (JSON) is a text format for the serialization of structured data. It is derived from the object literals of JavaScript, as defined in the ECMAScript Programming Language Standard, Third Edition [ECMA-262].

JSON can represent four primitive types (strings, numbers, booleans, and null) and two structured types (objects and arrays).

A string is a sequence of zero or more Unicode characters [UNICODE]. Note that this citation references the latest version of Unicode rather than a specific release. It is not expected that future changes in the UNICODE specification will impact the syntax of JSON.

An object is an unordered collection of zero or more name/value pairs, where a name is a string and a value is a string, number, boolean, null, object, or array.

An array is an ordered sequence of zero or more values.
This document updates [RFC4627], which describes JSON and registers the media type "application/json".

A description of JSON in ECMAScript terms appears in Version 5.1 of the ECMAScript specification [ECMA-262], Section 15.12. JSON is also described in [ECMA-404].

All of the specifications of JSON syntax agree on the syntactic elements of the language.

1.3. Introduction to This Revision

In the years since the publication of RFC 4627, JSON has found very wide use. This experience has revealed certain patterns, which, while allowed by its specifications, have caused interoperability problems.

Also, a small number of errata have been reported (see RFC Errata IDs 607 [Err607] and 3607 [Err3607]).

This document's goal is to apply the errata, remove inconsistencies with other specifications of JSON, and highlight practices that can lead to interoperability problems.

2. JSON Grammar

A JSON text is a sequence of tokens. The set of tokens includes six structural characters, strings, numbers, and three literal names.

A JSON text is a serialized value. Note that certain previous specifications of JSON constrained a JSON text to be an object or an array. Implementations that generate only objects or arrays where a JSON text is called for will be interoperable in the sense that all implementations will accept these as conforming JSON texts.

JSON-text = ws value ws

These are the six structural characters:
begin-array = ws %x5B ws ; [ left square bracket

begin-object = ws %x7B ws ; { left curly bracket

end-array = ws %x5D ws ; ] right square bracket

end-object = ws %x7D ws ; } right curly bracket

name-separator = ws %x3A ws ; : colon

value-separator = ws %x2C ws ; , comma

Insignificant whitespace is allowed before or after any of the six structural characters.

ws = *(  
  %x20 /  ; Space
  %x09 /  ; Horizontal tab
  %x0A /  ; Line feed or New line
  %x0D )  ; Carriage return

3. Values

A JSON value MUST be an object, array, number, or string, or one of the following three literal names:

false null true

The literal names MUST be lowercase. No other literal names are allowed.

value = false / null / true / object / array / number / string

false = %x66.61.6c.73.65   ; false

null  = %x6e.75.6c.6c      ; null

true  = %x74.72.75.65     ; true

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4. Objects

An object structure is represented as a pair of curly brackets surrounding zero or more name/value pairs (or members). A name is a string. A single colon comes after each name, separating the name from the value. A single comma separates a value from a following name. The names within an object SHOULD be unique.

\[
\text{object} = \text{begin-object} \[ \text{member} *( \text{value-separator} \text{member} ) \]\text{end-object}
\]

\[
\text{member} = \text{string name-separator value}
\]

An object whose names are all unique is interoperable in the sense that all software implementations receiving that object will agree on the name-value mappings. When the names within an object are not unique, the behavior of software that receives such an object is unpredictable. Many implementations report the last name/value pair only. Other implementations report an error or fail to parse the object, and some implementations report all of the name/value pairs, including duplicates.

JSON parsing libraries have been observed to differ as to whether or not they make the ordering of object members visible to calling software. Implementations whose behavior does not depend on member ordering will be interoperable in the sense that they will not be affected by these differences.

5. Arrays

An array structure is represented as square brackets surrounding zero or more values (or elements). Elements are separated by commas.

\[
\text{array} = \text{begin-array} \[ \text{value} *( \text{value-separator} \text{value} ) \]\text{end-array}
\]

There is no requirement that the values in an array be of the same type.

6. Numbers

The representation of numbers is similar to that used in most programming languages. A number is represented in base 10 using decimal digits. It contains an integer component that may be prefixed with an optional minus sign, which may be followed by a fraction part and/or an exponent part. Leading zeros are not allowed.

A fraction part is a decimal point followed by one or more digits.
An exponent part begins with the letter E in upper or lower case, which may be followed by a plus or minus sign. The E and optional sign are followed by one or more digits.

Numeric values that cannot be represented in the grammar below (such as Infinity and NaN) are not permitted.

number = [ minus ] int [ frac ] [ exp ]

decimal-point = %x2E ; .

digit1-9 = %x31-39 ; 1-9

e = %x65 / %x45 ; e E

exp = e [ minus / plus ] 1*DIGIT

frac = decimal-point 1*DIGIT

int = zero / ( digit1-9 *DIGIT )

minus = %x2D ; -

plus = %x2B ; +

zero = %x30 ; 0

This specification allows implementations to set limits on the range and precision of numbers accepted. Since software that implements IEEE 754-2008 binary64 (double precision) numbers [IEEE754] is generally available and widely used, good interoperability can be achieved by implementations that expect no more precision or range than these provide, in the sense that implementations will approximate JSON numbers within the expected precision. A JSON number such as 1E400 or 3.141592653589793238462643383279 may indicate potential interoperability problems, since it suggests that the software that created it expects receiving software to have greater capabilities for numeric magnitude and precision than is widely available.
Note that when such software is used, numbers that are integers and are in the range \([-2^{53}+1, 2^{53}-1]\) are interoperable in the sense that implementations will agree exactly on their numeric values.

7. Strings

The representation of strings is similar to conventions used in the C family of programming languages. A string begins and ends with quotation marks. All Unicode characters may be placed within the quotation marks, except for the characters that must be escaped: quotation mark, reverse solidus, and the control characters (U+0000 through U+001F).

Any character may be escaped. If the character is in the Basic Multilingual Plane (U+0000 through U+FFFF), then it may be represented as a six-character sequence: a reverse solidus, followed by the lowercase letter u, followed by four hexadecimal digits that encode the character's code point. The hexadecimal letters A though F can be upper or lower case. So, for example, a string containing only a single reverse solidus character may be represented as "\u005C".

Alternatively, there are two-character sequence escape representations of some popular characters. So, for example, a string containing only a single reverse solidus character may be represented more compactly as ":\".

To escape an extended character that is not in the Basic Multilingual Plane, the character is represented as a 12-character sequence, encoding the UTF-16 surrogate pair. So, for example, a string containing only the G clef character (U+1D11E) may be represented as "\uD834\uDD1E".

\[
\text{string} = \text{quotation-mark} \ast \text{char} \text{quotation-mark}
\]

\[
\text{char} = \text{unescaped} / \]

\[
\text{unescaped} / \]
escape ( %x22 / ; " quotation mark U+0022 %x5C / ; \ reverse solidus U+005C %x2F / ; / solidus U+002F %x62 / ; b backspace U+0008 %x66 / ; f form feed U+000C %x6E / ; n line feed U+000A %x72 / ; r carriage return U+000D %x74 / ; t tab U+0009 %x75 4HEXDIG ) ; uXXXX U+XXXX

escape = %x5C ; \ quotation-mark = %x22 ; "

unescape = %x20-21 / %x23-5B / %x5D-10FFFF

8. String and Character Issues

8.1. Character Encoding

JSON text SHALL be encoded in UTF-8, UTF-16, or UTF-32. The default encoding is UTF-8, and JSON texts that are encoded in UTF-8 are interoperable in the sense that they will be read successfully by the maximum number of implementations; there are many implementations that cannot successfully read texts in other encodings (such as UTF-16 and UTF-32).

Implementations MUST NOT add a byte order mark to the beginning of a JSON text. In the interests of interoperability, implementations that parse JSON texts MAY ignore the presence of a byte order mark rather than treating it as an error.

8.2. Unicode Characters

When all the strings represented in a JSON text are composed entirely of Unicode characters [UNICODE] (however escaped), then that JSON text is interoperable in the sense that all software implementations that parse it will agree on the contents of names and of string values in objects and arrays.
However, the ABNF in this specification allows member names and string values to contain bit sequences that cannot encode Unicode characters; for example, "\uD800\uDEAD" (a single unpaired UTF-16 surrogate). Instances of this have been observed, for example, when a library truncates a UTF-16 string without checking whether the truncation split a surrogate pair. The behavior of software that receives JSON texts containing such values is unpredictable; for example, implementations might return different values for the length of a string value or even suffer fatal runtime exceptions.

8.3. String Comparison

Software implementations are typically required to test names of object members for equality. Implementations that transform the textual representation into sequences of Unicode code units and then perform the comparison numerically, code unit by code unit, are interoperable in the sense that implementations will agree in all cases on equality or inequality of two strings. For example, implementations that compare strings with escaped characters unconverted may incorrectly find that "a\b" and "a\u005Cb" are not equal.

9. Parsers

A JSON parser transforms a JSON text into another representation. A JSON parser MUST accept all texts that conform to the JSON grammar. A JSON parser MAY accept non-JSON forms or extensions.

An implementation may set limits on the size of texts that it accepts. An implementation may set limits on the maximum depth of nesting. An implementation may set limits on the range and precision of numbers. An implementation may set limits on the length and character contents of strings.

10. Generators

A JSON generator produces JSON text. The resulting text MUST strictly conform to the JSON grammar.
11. IANA Considerations

The MIME media type for JSON text is application/json.

Type name: application

Subtype name: json

Required parameters: n/a

Optional parameters: n/a

Encoding considerations: binary

Security considerations: See [RFC7159], Section 12.

Interoperability considerations: Described in [RFC7159]

Published specification: [RFC7159]

Applications that use this media type:

JSON has been used to exchange data between applications written in all of these programming languages: ActionScript, C, C#, Clojure, ColdFusion, Common Lisp, E, Erlang, Go, Java, JavaScript, Lua, Objective CAML, Perl, PHP, Python, Rebol, Ruby, Scala, and Scheme.

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Additional information:
Magic number(s): n/a
File extension(s): .json
Macintosh file type code(s): TEXT

Person & email address to contact for further information:
IESG
<iesg@ietf.org>
12. Security Considerations

Generally, there are security issues with scripting languages. JSON is a subset of JavaScript but excludes assignment and invocation.

Since JSON's syntax is borrowed from JavaScript, it is possible to use that language's "eval()" function to parse JSON texts. This generally constitutes an unacceptable security risk, since the text could contain executable code along with data declarations. The same consideration applies to the use of eval()-like functions in any other programming language in which JSON texts conform to that language's syntax.
13. Examples

This is a JSON object:

```
{
  "Image": {
    "Width": 800,
    "Height": 600,
    "Title": "View from 15th Floor",
    "Thumbnail": {
      "Url": "http://www.example.com/image/481989943",
      "Height": 125,
      "Width": 100
    },
    "Animated": false,
    "IDs": [116, 943, 234, 38793]
  }
}
```

Its Image member is an object whose Thumbnail member is an object and whose IDs member is an array of numbers.

This is a JSON array containing two objects:

```
[
{
  "precision": "zip",
  "Latitude": 37.7668,
  "Longitude": -122.3959,
  "Address": "",
  "City": "SAN FRANCISCO",
  "State": "CA",
  "Zip": "94107",
  "Country": "US"
},
{
  "precision": "zip",
  "Latitude": 37.371991,
  "Longitude": -122.026020,
  "Address": "",
  "City": "SUNNYVALE",
  "State": "CA",
  "Zip": "94085",
  "Country": "US"
}
]
Here are three small JSON texts containing only values:

"Hello world!"

42

true

14. Contributors

RFC 4627 was written by Douglas Crockford. This document was constructed by making a relatively small number of changes to that document; thus, the vast majority of the text here is his.

15. References

15.1. Normative References


15.2. Informative References


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Appendix A. Changes from RFC 4627

This section lists changes between this document and the text in RFC 4627.

- Changed the title and abstract of the document.
- Changed the reference to [UNICODE] to be not version specific.
- Added a "Specifications of JSON" section.
- Added an "Introduction to This Revision" section.
- Changed the definition of "JSON text" so that it can be any JSON value, removing the constraint that it be an object or array.
- Added language about duplicate object member names, member ordering, and interoperability.
- Clarified the absence of a requirement that values in an array be of the same JSON type.
- Applied erratum #607 from RFC 4627 to correctly align the artwork for the definition of "object".
- Changed "as sequences of digits" to "in the grammar below" in the "Numbers" section, and made base-10-ness explicit.

- Added language about number interoperability as a function of IEEE754, and added an IEEE754 reference.

- Added language about interoperability and Unicode characters and about string comparisons. To do this, turned the old "Encoding" section into a "String and Character Issues" section, with three subsections: "Character Encoding", "Unicode Characters", and "String Comparison".

- Changed guidance in the "Parsers" section to point out that implementations may set limits on the range "and precision" of numbers.

- Updated and tidied the "IANA Considerations" section.

- Made a real "Security Considerations" section and lifted the text out of the previous "IANA Considerations" section.

- Applied erratum #3607 from RFC 4627 by removing the security consideration that begins "A JSON text can be safely passed" and the JavaScript code that went with that consideration.

- Added a note to the "Security Considerations" section pointing out the risks of using the "eval()" function in JavaScript or any other language in which JSON texts conform to that language's syntax.

- Added a note to the "IANA Considerations" clarifying the absence of a "charset" parameter for the application/json media type.

- Changed "100" to 100 and added a boolean field, both in the first example.

- Added examples of JSON texts with simple values, neither objects
nor arrays.

- Added a "Contributors" section crediting Douglas Crockford.
- Added a reference to RFC 4627.
- Moved the ECMAScript reference from Normative to Informative and updated it to reference ECMAScript 5.1, and added a reference to ECMA 404.

Author's Address

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Google, Inc.

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# Changes

## 2019-02-21 (2.2.0)
* Adds support for 2.6 BigDecimal and ruby standard library Set datetype.

## 2017-04-18 (2.1.0)

No license file was found, but licenses were detected in source scan.
* Allow passing of `decimal_class` option to specify a class as which to parse JSON float numbers.

## 2017-03-23 (2.0.4)
* Raise exception for incomplete unicode surrogates/character escape sequences. This problem was reported by Daniel Gollahon (dgollahon).
* Fix arbitrary heap exposure problem. This problem was reported by Ahmad Sherif (ahmadsherif).

## 2017-01-12 (2.0.3)
* Set `required_ruby_version` to 1.9
* Some small fixes

## 2016-07-26 (2.0.2)
* Specify `required_ruby_version` for json\_pure.
* Fix issue #295 failure when parsing frozen strings.

## 2016-07-01 (2.0.1)
* Fix problem when requiring json\_pure and Parser constant was defined top level.
* Add `RB_GC_GUARD` to avoid possible GC problem via Pete Johns.
* Store `current_nesting` on stack by Aaron Patterson.

## 2015-09-11 (2.0.0)
* Now complies to newest JSON RFC 7159.
* Implements compatibility to ruby 2.4 integer unification.
* Drops support for old rubies whose life has ended, that is rubies < 2.0. Also see https://www.ruby-lang.org/en/news/2014/07/01/eol-for-1-8-7-and-1-9-2/
* There were still some mentions of dual GPL licensing in the source, but JSON has just the Ruby license that itself includes an explicit dual-licensing clause that allows covered software to be distributed under the terms of the Simplified BSD License instead for all ruby versions >= 1.9.3. This is however a GPL compatible license according to the Free Software Foundation. I changed these mentions to be consistent with the Ruby license setting in the gemspec files which were already correct now.

## 2015-06-01 (1.8.3)
* Fix potential memory leak, thx to nobu.

## 2015-01-08 (1.8.2)
* Some performance improvements by Vipul A M <vipulnsward@gmail.com>.
* Fix by Jason R. Clark <jclark@newrelic.com> to avoid mutation of `JSON.dump_default_options`.
* More tests by Michael Mac-Vicar <mmacvicar@gmail.com> and fixing `space_before` accessor in generator.
* Performance on Jruby improved by Ben Browning <bbrownin@redhat.com>.
* Some fixes to be compatible with the new Ruby 2.2 by Zachary Scott <e@zzak.io> and SHIBATA Hiroshi <hsbt@ruby-lang.org>.
## 2013-05-13 (1.8.1)
* Remove Rubinius exception since transcoding should be working now.

## 2013-05-13 (1.8.0)
* Fix https://github.com/flori/json/issues/162 reported by Marc-Andre Lafortune <github_rocks@marc-andre.ca>. Thanks!
* Applied patches by Yui NARUSE <naruse@airemix.jp> to suppress warning with -Wchar-subscripts and better validate UTF-8 strings.
* Applied patch by giniriki@github to remove unnecessary if.
* Add load/dump interface to `JSON::GenericObject` to make serialize :some_attribute, `JSON::GenericObject` work in Rails active models for convenient `SomeModel#some_attribute.foo.bar` access to serialised JSON data.

## 2013-02-04 (1.7.7)
* Security fix for JSON create_additions default value and `JSON::GenericObject`. It should not be possible to create additions unless explicitly requested by setting the create_additions argument to true or using the JSON.load/dump interface. If `JSON::GenericObject` is supposed to be automatically deserialised, this has to be explicitly enabled by setting
  ```ruby
  JSON::GenericObject.json_creatable = true
  ```
as well.
* Remove useless assert in fbuffer implementation.
* Apply patch attached to https://github.com/flori/json/issues#issue/155 provided by John Shahid <jvshahid@gmail.com>, Thx!
* Add license information to rubygems spec data, reported by Jordi Massaguer Pla <jmassaguerpla@suse.de>.
* Improve documentation, thx to Zachary Scott <zachary@zacharyscott.net>.

## 2012-11-29 (1.7.6)
* Add `GeneratorState#merge` alias for JRuby, fix state accessor methods. Thx to jvshahid@github.
* Increase hash likeness of state objects.

## 2012-08-17 (1.7.5)
* Fix compilation of extension on older rubies.

## 2012-07-26 (1.7.4)
* Fix compilation problem on AIX, see https://github.com/flori/json/issues/142

## 2012-05-12 (1.7.3)
* Work around Rubinius encoding issues using iconv for conversion instead.

## 2012-05-11 (1.7.2)
* Fix some encoding issues, that cause problems for the pure and the extension variant in jruby 1.9 mode.

## 2012-04-28 (1.7.1)
* Some small fixes for building

## 2012-04-28 (1.7.0)
* Add `JSON::GenericObject` for method access to objects transmitted via JSON.

## 2012-04-27 (1.6.7)
* Fix possible crash when trying to parse nil value.

## 2012-02-11 (1.6.6)
* Propagate src encoding to values made from it (fixes 1.9 mode converting everything to ascii-8bit; harmless for 1.8 mode too) (Thomas E. Enebo <tom.enebo@gmail.com>), should fix https://github.com/flori/json/issues#issue/119.
* Fix https://github.com/flori/json/issues#issue/117

## 2012-01-15 (1.6.5)
* Vit Ondruch <v.ondruch@tiscali.cz> reported a bug that shows up when using optimisation under GCC 4.7. Thx to him, Bohuslav Kabrda <bkabra@redhat.com> and Yui NARUSE <naruse@airemix.jp> for debugging and developing a patch fix.

## 2011-12-24 (1.6.4)
* Patches that improve speed on JRuby contributed by Charles Oliver Nutter <headius@headius.com>.
* Support `object_class`/`array_class` with duck typed hash/array.

## 2011-12-01 (1.6.3)
* Let `JSON.load('')` return nil as well to make mysql text columns (default to `''`) work better for serialization.

## 2011-11-21 (1.6.2)
* Add support for OpenStruct and BigDecimal.
* Fix bug when parsing nil in `quirks_mode`.
* Make JSON.dump and JSON.load methods better cooperate with Rails' serialize method. Just use:
  ```plaintext
  serialize :value, JSON
  ```
* Fix bug with time serialization concerning nanoseconds. Thanks for the patch go to Josh Partlow (jpartlow@github).
* Improve parsing speed for JSON numbers (integers and floats) in a similar way to what Evan Phoenix <evan@phx.io> suggested in:
  https://github.com/flori/json/pull/103

## 2011-09-18 (1.6.1)
* Using -target 1.5 to force Java bits to compile with 1.5.

## 2011-09-12 (1.6.0)
* Extract utilities (prettifier and GUI-editor) in its own gem json-utils.
* Split json/add/core into different files for classes to be serialised.

## 2011-08-31 (1.5.4)
* Fix memory leak when used from multiple JRuby. (Patch by jfirebaugh@github).
* Apply patch by Eric Wong <nocode@yhbt.net> that fixes garbage collection problem reported in https://github.com/flori/json/issues/46.
* Add :quirks_mode option to parser and generator.
* Add support for Rational and Complex number additions via json/add/complex and json/add/rational requires.

## 2011-06-20 (1.5.3)
* Alias State#configure method as State#merge to increase duck type synonymy with Hash.
* Add `as_json` methods in json/add/core, so rails can create its json objects the new way.

## 2011-05-11 (1.5.2)
* Apply documentation patch by Cory Monty <cory.monty@gmail.com>.
* Add gems specs for json and json\_pure.
* Fix bug in jruby pretty printing.
* Fix bug in `object_class` and `array_class` when inheriting from Hash or Array.

## 2011-01-24 (1.5.1)
* Made rake-compiler build a fat binary gem. This should fix issue https://github.com/flori/json/issues/issue/54.

## 2011-01-22 (1.5.0)
* Included Java source codes for the Jruby extension made by Daniel Luz <dev@mernen.com>.
* Output full exception message of `deep_const_get` to aid debugging.
* Fixed an issue with ruby 1.9 `Module#const_defined?` method, that was reported by Riley Goodside.

## 2010-08-09 (1.4.6)
* Fixed oversight reported in http://github.com/flori/json/issues/closed#issue/23, always create a new object from the state prototype.
* Made pure and ext api more similar again.

## 2010-08-07 (1.4.5)
* Manage data structure nesting depth in state object during generation. This should reduce problems with `to_json` method definitions that only have one argument.
* Some fixes in the state objects and additional tests.

## 2010-08-06 (1.4.4)
## 2010-05-05 (1.4.3)
* Fixed some test assertions, from Ruby r27587 and r27590, patch by nobu.
* Fixed issue http://github.com/flori/json/issues/#issue/20 reported by
  electronicwhisper@github. Thx!

## 2010-04-26 (1.4.2)
* Applied patch from naruse Yui NARUSE <naruse@airemix.com> to make building with
  Microsoft Visual C possible again.
* Applied patch from devrandom <c1.github@niftybox.net> in order to allow building of
  json_pure if extensiontask is not present.
* Thanks to Dustin Schneider <dustin@stocktwits.com>, who reported a memory
  leak, which is fixed in this release.
* Applied 993f261cc6f9111d2ae57e9db48ec7acd0187283 patch from josh@github.

## 2010-04-25 (1.4.1)
* Fix for a bug reported by Dan DeLeo <dan@kallistec.com>, caused by T_FIXNUM
  being different on 32bit/64bit architectures.

## 2010-04-23 (1.4.0)
* Major speed improvements and building with simplified
  directory/file-structure.
* Extension should at least be compatable with MRI, YARV and Rubinius.

## 2010-04-07 (1.2.4)
* trigger const_missing callback to make Rails' dynamic class loading work.

## 2010-03-11 (1.2.3)
* Added a `State#[]` method which returns an attribute's value in order to
  increase duck type compatibility to Hash.

## 2010-02-27 (1.2.2)
* Made some changes to make the building of the parser/generator compatible
  to Rubinius.

## 2009-11-25 (1.2.1)
* Added `:symbolize_names` option to Parser, which returns symbols instead of
  strings in object names/keys.

## 2009-10-01 (1.2.0)
* `fast_generate` now raises an exeception for nan and infinite floats.
* On Ruby 1.8 json supports parsing of UTF-8, UTF-16BE, UTF-16LE, UTF-32BE,
  and UTF-32LE JSON documents now. Under Ruby 1.9 the M17n conversion
  functions are used to convert from all supported encodings. ASCII-8BIT
  encoded strings are handled like all strings under Ruby 1.8 were.
* Better documentation

## 2009-08-23 (1.1.9)
* Added forgotten main doc file `extra_rdoc_files`.

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## 2009-08-23 (1.1.8)
* Applied a patch by OZAWA Sakuro <sakuro@2238club.org> to make json/pure work in environments that don't provide iconv.
* Finally got around to avoid the rather paranoid escaping of `?/` characters in the generator's output. The parsers aren't affected by this change. Thanks to Rich Apodaca <rapodaca@metamolecular.com> for the suggestion.

## 2009-06-29 (1.1.7)
* Security Fix for JSON::Pure::Parser. A specially designed string could cause catastrophic backtracking in one of the parser's regular expressions in earlier 1.1.x versions. JSON::Ext::Parser isn't affected by this issue. Thanks to Bartosz Blimke <bartosz@new-bamboo.co.uk> for reporting this problem.
* This release also uses a less strict ruby version requirement for the creation of the mswin32 native gem.

## 2009-05-10 (1.1.6)
* No changes. tested native linux gems in the last release and they don't play well with different ruby versions other than the one the gem was built with. This release is just to bump the version number in order to skip the native gem on rubyforge.

## 2009-05-10 (1.1.5)
* Started to build gems with rake-compiler gem.
* Applied patch object/array class patch from Brian Candler <B.Candler@pobox.com> and fixes.

## 2009-04-01 (1.1.4)
* Fixed a bug in the creation of serialized generic rails objects reported by Friedrich Graeter <graeter@hydrixos.org>.
* Deleted tests/runner.rb, we're using testrb instead.
* Editor supports Infinity in numbers now.
* Made some changes in order to get the library to compile/run under Ruby 1.9.
* Improved speed of the code path for the fast_generate method in the pure variant.

## 2008-07-10 (1.1.3)
* Wesley Beary <monki@geemus.com> reported a bug in json/add/core's DateTime handling: If the nominator and denominator of the offset were divisible by each other Ruby's Rational#to_s returns them as an integer not a fraction with `/`. This caused a ZeroDivisionError during parsing.
* Use Date#start and DateTime#start instead of sg method, while remaining backwards compatible.
* Supports ragel >= 6.0 now.
* Corrected some tests.
* Some minor changes.

## 2007-11-27 (1.1.2)
* Remember default dir (last used directory) in editor.
* JSON::Editor.edit method added, the editor can now receive json texts from the clipboard via C-v.
* Load json texts from an URL pasted via middle button press.
* Added :create_additions option to Parser. This makes it possible to disable the creation of additions by force, in order to treat json texts as data while having additions loaded.
* Jacob Maine <jmaine@blurb.com> reported, that JSON(:foo) outputs a JSON object if the rails addition is enabled, which is wrong. It now outputs a JSON string "foo" instead, like suggested by Jacob Maine.
* Discovered a bug in the Ruby Bugs Tracker on rubyforge, that was reported by John Evans lgastako@gmail.com. He could produce a crash in the JSON generator by returning something other than a String instance from a to_json method. I now guard against this by doing a rather crude type check, which raises an exception instead of crashing.

## 2007-07-06 (1.1.1)
* Yui NARUSE <naruse@airemix.com> sent some patches to fix tests for Ruby 1.9. I applied them and adapted some of them a bit to run both on 1.8 and 1.9.
* Introduced a `JSON.parse!` method without depth checking for people who like danger.
* Made generate and `pretty_generate` methods configurable by an options hash.
* Added :allow_nan option to parser and generator in order to handle NaN, Infinity, and -Infinity correctly - if requested. Floats, which aren't numbers, aren't valid JSON according to RFC4627, so by default an exception will be raised if any of these symbols are encountered. Thanks to Andrea Censi <andrea.censi@dis.uniroma1.it> for his hint about this.
* Fixed some more tests for Ruby 1.9.
* Implemented dump/load interface of Marshal as suggested in ruby-core:11405 by murphy <murphy@rubychan.de>.
* Implemented the `max_nesting` feature for generate methods, too.
* Added some implementations for ruby core's custom objects for serialisation/deserialisation purposes.

## 2007-05-21 (1.1.0)
* Implemented max_nesting feature for parser to avoid stack overflows for data from untrusted sources. If you trust the source, you can disable it with the option max_nesting => false.
* Piers Cawley <pdcawley@bofh.org.uk> reported a bug, that not every character can be escaped by `\` as required by RFC4627. There's a contradiction between David Crockford's JSON checker test vectors (in tests/fixtures) and RFC4627, though. I decided to stick to the RFC, because the JSON checker seems to be a bit older than the RFC.
* Extended license to Ruby License, which includes the GPL.
* Added keyboard shortcuts, and 'Open location' menu item to edit_json.rb.

## 2007-05-09 (1.0.4)
* Applied a patch from Yui NARUSE <naruse@airemix.com> to make JSON compile under Ruby 1.9. Thank you very much for mailing it to me!
* Made binary variants of JSON fail early, instead of falling back to the pure version. This should avoid overshadowing of eventual problems while loading of the binary.

## 2007-03-24 (1.0.3)
* Improved performance of pure variant a bit.
* The ext variant of this release supports the mswin32 platform. Ugh!

## 2007-03-24 (1.0.2)
* Ext Parser didn’t parse 0e0 correctly into 0.0: Fixed!

## 2007-03-24 (1.0.1)
* Forgot some object files in the build dir. I really like that - not!

## 2007-03-24 (1.0.0)
* Added C implementations for the JSON generator and a ragel based JSON parser in C.
* Much more tests, especially fixtures from json.org.
* Further improved conformance to RFC4627.

## 2007-02-09 (0.4.3)
* Conform more to RFC4627 for JSON: This means JSON strings now always must contain exactly one object ```{ ... }``` or array ```[ ... ]``` in order to be parsed without raising an exception. The definition of what constitutes a whitespace is narrower in JSON than in Ruby (```
```
```
```
), and there are differences in floats and integers (no octals or hexadecimals) as well.
* Added aliases generate and `pretty_generate` of unparse and `pretty_unparse`.
* Fixed a test case.
* Catch an `Iconv::InvalidEncoding` exception, that seems to occur on some Sun boxes with SunOS 5.8, if iconv doesn’t support utf16 conversions. This was reported by Andrew R Jackson <andrewj@bcm.tmc.edu>, thanks a bunch!

## 2006-08-25 (0.4.2)
* Fixed a bug in handling solidi (`/`-characters), that was reported by Kevin Gilpin <kevin.gilpin@alum.mit.edu>.

## 2006-02-06 (0.4.1)
* Fixed a bug related to escaping with backslashes. Thanks for the report go to Florian Munz <surf@theflow.de>.

## 2005-09-23 (0.4.0)
* Initial Rubyforge Version

Found in path(s):
* /opt/cola/permits/1124883582_1611190559.22/0/flori-json-v2-2-0-0-g6550c42-tar-gz/flori-json-6550c42/CHANGES.md

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### 1.4104 rake-ant 1.0.4

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1.4105 json-schema-traverse 1.0.0

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1.4113 @babel/plugin-transform-duplicate-keys 7.2.0

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1.4119 pcre 8.39 12

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The basic library functions are written in C and are freestanding. Also included in the distribution is a set of C++ wrapper functions, and a just-in-time compiler that can be used to optimize pattern matching. These are both optional features that can be omitted when the library is built.

THE BASIC LIBRARY FUNCTIONS

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PCRE JUST-IN-TIME COMPILATION SUPPORT
----------------------------------------

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1.4120 systemd 241 7~deb10u7

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1.4121 diffutils 3.3 5.el7
1.4121.1 Available under license :

/* diff - compare files line by line


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#define GDIFF_MAIN
#include "diff.h"
#include <assert.h>
#include "paths.h"
#include <c-stack.h>
#include <dirname.h>
#include <error.h>
#include <exclude.h>
#include <exitfail.h>
#include <filenamecat.h>
#include <file-type.h>
#include <fnmatch.h>
#include <getopt.h>
#include <hard-locale.h>
#include <prepargs.h>
#include <progname.h>
#include <sh-quote.h>
#include <stat-time.h>
#include <timespec.h>
#include <version-etc.h>
#include <xalloc.h>
#include <xreadlink.h>
#include <binary-io.h>

/* The official name of this program (e.g., no 'g' prefix). */
#define PROGRAM_NAME "diff"

#define AUTHORS 
   proper_name ("Paul Eggert"), \
   proper_name ("Mike Haertel"), \
   proper_name ("David Hayes"), \
   proper_name ("Richard Stallman"), \
   proper_name ("Len Tower")

#ifndef GUTTER_WIDTH_MINIMUM
#define GUTTER_WIDTH_MINIMUM 3
#endif

struct regexp_list
{
    char *regexps;/* chars representing disjunction of the regexps */
    size_t len;/* chars used in 'regexps' */
}
size_t size; /* size malloc'ed for 'regexps'; 0 if not malloc'ed */
bool multiple_regexps; /* Does 'regexps' represent a disjunction? */
struct re_pattern_buffer *buf;
};

static int compare_files (struct comparison const *, char const *, char const *);
static void add_regexp (struct regexp_list *, char const *);
static void summarize_regexp_list (struct regexp_list *);
static void specify_style (enum output_style);
static void specify_value (char const **, char const *, char const *);
static void try_help (char const *, char const *) __attribute__((noreturn));
static void check_stdout (void);
static void usage (void);

/* If comparing directories, compare their common subdirectories recursively. */
static bool recursive;

/* In context diffs, show previous lines that match these regexps. */
static struct regexp_list function_regexp_list;

/* Ignore changes affecting only lines that match these regexps. */
static struct regexp_list ignore_regexp_list;

#if O_BINARY
/* Use binary I/O when reading and writing data (--binary). */
   On POSIX hosts, this has no effect. */
static bool binary;
#else
enum { binary = true }
#endif

/* If one file is missing, treat it as present but empty (-N). */
static bool new_file;

/* If the first file is missing, treat it as present but empty
   (--unidirectional-new-file). */
static bool unidirectional_new_file;

/* Report files compared that are the same (-s).
   Normally nothing is output when that happens. */
static bool report_identical_files;

static char const shortopts[] =
"0123456789abBcCcD:efF:hi:IL:nNPqrsT:uvwXxXyYz";

/* Values for long options that do not have single-letter equivalents. */
enum
{ 
BINARY_OPTION = CHAR_MAX + 1,
FROM_FILE_OPTION,
HELP_OPTION,
HORIZON_LINES_OPTION,
IGNORE_FILE_NAME_CASE_OPTION,
INHIBIT_HUNK_MERGE_OPTION,
LEFT_COLUMN_OPTION,
LINE_FORMAT_OPTION,
NO_DEREFERENCE_OPTION,
NO_IGNORE_FILE_NAME_CASE_OPTION,
NORMAL_OPTION,
SDIFF_MERGE_ASSIST_OPTION,
STRIP_TRAILING_CR_OPTION,
SUPPRESS_BLANK_EMPTY_OPTION,
SUPPRESS_COMMON_LINES_OPTION,
TABSIZE_OPTION,
TO_FILE_OPTION,

/* These options must be in sequence. */
UNCHANGED_LINE_FORMAT_OPTION,
OLD_LINE_FORMAT_OPTION,
NEW_LINE_FORMAT_OPTION,

/* These options must be in sequence. */
UNCHANGED_GROUP_FORMAT_OPTION,
OLD_GROUP_FORMAT_OPTION,
NEW_GROUP_FORMAT_OPTION,
CHANGED_GROUP_FORMAT_OPTION
};

static char const group_format_option[][sizeof "--unchanged-group-format"] =
{
"--unchanged-group-format",
"--old-group-format",
"--new-group-format",
"--changed-group-format"
};

static char const line_format_option[][sizeof "--unchanged-line-format"] =
{
"--unchanged-line-format",
"--old-line-format",
"--new-line-format"
};

static struct option const longopts[] =
{

static char *
option_list (char **optionvec, int count)
{
    int i;
    size_t size = 1;
    char *result;
    char *p;

    for (i = 0; i < count; i++)
    {
        size += 1 + shell_quote_length (optionvec[i]);

        p = result = xmalloc (size);

        for (i = 0; i < count; i++)
        {
            *p++ = ' ';         
            p = shell_quote_copy (p, optionvec[i]);
        }
    
        *p = '0';
        return result;
    }

    /* Return an option value suitable for add_exclude. */
    
    static int
    exclude_options (void)

    { /* Return a string containing the command options with which diff was invoked. */

        Spaces appear between what were separate ARGV-elements.
        There is a space at the beginning but none at the end.
        If there were no options, the result is an empty string.

        Arguments: OPTIONVEC, a vector containing separate ARGV-elements, and COUNT,
        the length of that vector. */

        /* Return an option value suitable for add_exclude. */
\{
    return EXCLUDE_WILDCARDS | (ignore_file_name_case ? FNM_CASEFOLD : 0);
\}

int main (int argc, char **argv)
\{
    int exit_status = EXIT_SUCCESS;
    int c;
    int i;
    int prev = -1;
    int ocontext = -1;
    bool explicit_context = false;
    size_t width = 0;
    bool show_c_function = false;
    char const *from_file = NULL;
    char const *to_file = NULL;
    uintmax_t numval;
    char *numend;

    /* Do our initializations. */
    exit_failure = EXIT_TROUBLE;
    initialize_main (&argc, &argv);
    set_program_name (argv[0]);
    setlocale (LC_ALL, "");
    bindtextdomain (PACKAGE, LOCALEDIR);
    textdomain (PACKAGE);
    c_stack_action (0);
    function_regexp_list.buf = &function_regexp;
    ignore_regexp_list.buf = &ignore_regexp;
    re_set_syntax (RE_SYNTAX_GREP | RE_NO_POSIX_BACKTRACKING);
    excluded = new_exclude ();

    /* Decode the options. */
    while ((c = getopt_long (argc, argv, shortopts, longopts, NULL)) != -1)
    \{
        switch (c)
    \{
        case 0:
            break;

        case '0':
        case '1':
        case '2':
        case '3':
        case '4':
        case '5':
case '6':
    case '7':
    case '8':
    case '9':
        if (! ISDIGIT (prev))
            ocontext = c - '0';
        else if (LIN_MAX / 10 < ocontext
            || ((ocontext = 10 * ocontext + c - '0') < 0))
            ocontext = LIN_MAX;
        break;

    case 'a':
        text = true;
        break;

    case 'b':
        if (ignore_white_space < IGNORE_SPACE_CHANGE)
            ignore_white_space = IGNORE_SPACE_CHANGE;
        break;

    case 'Z':
        if (ignore_white_space < IGNORE_SPACE_CHANGE)
            ignore_white_space |= IGNORE_TRAILING_SPACE;
        break;

    case 'B':
        ignore_blank_lines = true;
        break;

    case 'C':
    case 'U':
        {
            if (optarg)
                {
                numval = strtomax (optarg, &numend, 10);
                if (*numend)
                    try_help ("invalid context length "\"%s\", optarg);
                if (LIN_MAX < numval)
                    numval = LIN_MAX;
                } else
                numval = 3;

            specify_style (c == 'U' ? OUTPUT_UNIFIED : OUTPUT_CONTEXT);
            if (context < numval)
                context = numval;
            explicit_context = true;
        }
break;

case 'c':
    specify_style (OUTPUT_CONTEXT);
    if (context < 3)
        context = 3;
    break;

case 'd':
    minimal = true;
    break;

case 'D':
    specify_style (OUTPUT_IFDEF);
    {
        static char const C_ifdef_group_formats[] =
            "#%=%c ifndef %s\n\n %c \n #endif /* ! %s */
            /* %s */
            "#ifdef %s
            %c#ifdef %s
            %cifndef %s
            %c<#else /* %s */
            #endif /* %s */
            "
        char *b = xmalloc (sizeof C_ifdef_group_formats
            + 7 * strlen (optarg) - 14 /* 7*"%s" */
            - 8 /* 5*"%c" + 3*"%c" */);
        sprintf (b, C_ifdef_group_formats, 
            optarg, optarg, optarg, optarg); 
        for (i = 0; i < sizeof group_format / sizeof group_format[0]; i++)
            specify_value (&group_format[i], b, "-D");
        b += strlen (b) + 1;
    }
    break;

case 'e':
    specify_style (OUTPUT_ED);
    break;

case 'E':
    if (ignore_white_space < IGNORE_SPACE_CHANGE)
        ignore_white_space |= IGNORE_TAB_EXPANSION;
    break;

case 'f':
    specify_style (OUTPUT_FORWARD_ED);
    break;

case 'F':
add_regexp (&function_regexp_list, optarg);
break;

case 'h':
    /* Split the files into chunks for faster processing.
       Usually does not change the result.

       This currently has no effect. */
    break;

case 'H':
    speed_large_files = true;
    break;

case 'i':
    ignore_case = true;
    break;

case 'I':
    add_regexp (&ignore_regexp_list, optarg);
    break;

case 'l':
    if (!pr_program[0])
        try_help("pagination not supported on this host", NULL);
    paginate = true;
    #ifdef SIGCHLD
    /* Pagination requires forking and waiting, and
       System V fork+wait does not work if SIGCHLD is ignored. */
    signal(SIGCHLD, SIG_DFL);
    #endif
    break;

case 'L':
    if (!file_label[0])
        file_label[0] = optarg;
    else if (!file_label[1])
        file_label[1] = optarg;
    else
        fatal("too many file label options");
    break;

case 'n':
    specify_style(OUTPUT_RCS);
    break;

case 'N':
    new_file = true;
break;

case 'p':
    show_c_function = true;
    add_regexp (&function_regexp_list, "^[[:alpha:]$]l$]");
    break;

case 'P':
    unidirectional_new_file = true;
    break;

case 'q':
    brief = true;
    break;

case 'r':
    recursive = true;
    break;

case 's':
    report_identical_files = true;
    break;

case 'S':
    specify_value (&starting_file, optarg, "-S");
    break;

case 't':
    expand_tabs = true;
    break;

case 'T':
    initial_tab = true;
    break;

case 'u':
    specify_style (OUTPUT_UNIFIED);
    if (context < 3)
        context = 3;
    break;

case 'v':
    version_etc (stdout, PROGRAM_NAME, PACKAGE_NAME, Version,
                 AUTHORS, (char *) NULL);
    check_stdout ();
    return EXIT_SUCCESS;

case 'w':
ignore_white_space = IGNORE_ALL_SPACE;
break;

case 'x':
    add_exclude (excluded, optarg, exclude_options ());
    break;

case 'X':
    if (add_exclude_file (add_exclude, excluded, optarg,
        exclude_options (), '\n'))
        pfatal_with_name (optarg);
    break;

case 'y':
    specify_style (OUTPUT_SDIFF);
    break;

case 'W':
    numval = strtoumax (optarg, &numend, 10);
    if (! (0 < numval && numval <= SIZE_MAX) || *numend)
        try_help ("invalid width '%s'", optarg);
    if (width != numval)
        {
            if (width)
                fatal ("conflicting width options");
            width = numval;
        }
    break;

case BINARY_OPTION:
    #if O_BINARY
        binary = true;
        if (! isatty (STDOUT_FILENO))
            set_binary_mode (STDOUT_FILENO, O_BINARY);
    #endif
    break;

case FROM_FILE_OPTION:
    specify_value (&from_file, optarg, "--from-file");
    break;

case HELP_OPTION:
    usage ();
    check_stdout ();
    return EXIT_SUCCESS;

case HORIZON_LINES_OPTION:
    numval = strtoumax (optarg, &numend, 10);
if (*numend)
    try_help("invalid horizon length \"%s\", optarg);
horizon_lines = MAX (horizon_lines, MIN (numval, LIN_MAX));
break;

case IGNORE_FILE_NAME_CASE_OPTION:
    ignore_file_name_case = true;
    break;

case INHIBIT_HUNK_MERGE_OPTION:
    /* This option is obsolete, but accept it for backward
       compatibility. */
    break;

case LEFT_COLUMN_OPTION:
    left_column = true;
    break;

case LINE_FORMAT_OPTION:
    specify_style (OUTPUT_IFDEF);
    for (i = 0; i < sizeof line_format / sizeof line_format[0]; i++)
        specify_value (&line_format[i], optarg, "--line-format");
    break;

case NO_DEREFERENCE_OPTION:
    no_dereference_symlinks = true;
    break;

case NO_IGNORE_FILE_NAME_CASE_OPTION:
    ignore_file_name_case = false;
    break;

case NORMAL_OPTION:
    specify_style (OUTPUT_NORMAL);
    break;

case SDIFF_MERGE_ASSIST_OPTION:
    specify_style (OUTPUT_SDIFF);
    sdiff_merge_assist = true;
    break;

case STRIP_TRAILING_CR_OPTION:
    strip_trailing_cr = true;
    break;

case SUPPRESS_BLANK_EMPTY_OPTION:
    suppress_blank_empty = true;
    break;
case SUPPRESS_COMMON_LINES_OPTION:
    suppress_common_lines = true;
    break;

case TABSIZE_OPTION:
    numval = strtolmax (optarg, &numend, 10);
    if (! (0 < numval && numval <= SIZE_MAX) || *numend)
        try_help ("invalid tabsize \"%s\", optarg);
    if (tabsize != numval)
    {
        if (tabsize)
            fatal ("conflicting tabsize options");
        tabsize = numval;
    }
    break;

case TO_FILE_OPTION:
    specify_value (&to_file, optarg, "--to-file");
    break;

case UNCHANGED_LINE_FORMAT_OPTION:
    case OLD_LINE_FORMAT_OPTION:
    case NEW_LINE_FORMAT_OPTION:
        specify_style (OUTPUT_IFDEF);
        c -= UNCHANGED_LINE_FORMAT_OPTION;
        specify_value (&line_format[c], optarg, line_format_option[c]);
    break;

case UNCHANGED_GROUP_FORMAT_OPTION:
    case OLD_GROUP_FORMAT_OPTION:
    case NEW_GROUP_FORMAT_OPTION:
    case CHANGED_GROUP_FORMAT_OPTION:
        specify_style (OUTPUT_IFDEF);
        c -= UNCHANGED_GROUP_FORMAT_OPTION;
        specify_value (&group_format[c], optarg, group_format_option[c]);
    break;

default:
    try_help (NULL, NULL);
}
specify_style (OUTPUT_CONTEXT);
if (ocontext < 0)
    context = 3;
else
    specify_style (OUTPUT_NORMAL);
}

if (output_style != OUTPUT_CONTEXT || hard_locale (LC_TIME))
{
  #if (defined STAT_TIMESPEC || defined STAT_TIMESPEC_NS ||
      defined HAVE_STRUCT_STAT_ST_SPARE1)
    time_format = "%Y-%m-%d \%H:%M:%S,%N \%z";
  #else
    time_format = "%Y-%m-%d \%H:%M:%S \%z";
  #endif

  /* See POSIX 1003.1-2001 for this format. */
  time_format = "%a %b %e %T %Y";
}
else
{
  /* Maximize first the half line width, and then the gutter width,
   according to the following constraints:
   1. Two half lines plus a gutter must fit in a line.
   2. If the half line width is nonzero:
      a. The gutter width is at least GUTTER_WIDTH_MINIMUM.
      b. If tabs are not expanded to spaces,
         a half line plus a gutter is an integral number of tabs,
         so that tabs in the right column line up. */

  intmax_t t = expand_tabs ? 1 : tabsize;
  intmax_t w = width;

  if (!tabsize)
    tabsize = 8;
if (!width)
    width = 130;

  /* Maximize first the half line width, and then the gutter width,
intmax_t off = (w + t + GUTTER_WIDTH_MINIMUM) / (2 * t) * t;

diff_half_width = MAX (0, MIN (off - GUTTER_WIDTH_MINIMUM, w - off));
diff_column2_offset = diff_half_width ? off : w;
}

/* Make the horizon at least as large as the context, so that
   shift_boundaries has more freedom to shift the first and last hunks. */
if (horizon_lines < context)
    horizon_lines = context;

summarize_regexp_list (&function_regexp_list);
summarize_regexp_list (&ignore_regexp_list);

if (output_style == OUTPUT_IFDEF)
{
    for (i = 0; i < sizeof line_format / sizeof line_format[0]; i++)
        if (!line_format[i])
            line_format[i] = "%\n";
        if (!group_format[OLD])
            group_format[OLD] = group_format[CHANGED] ? group_format[CHANGED] : "%<";
        if (!group_format[NEW])
            group_format[NEW] = group_format[CHANGED] ? group_format[CHANGED] : "%>";
        if (!group_format[UNCHANGED])
            group_format[UNCHANGED] = "%=";
        if (!group_format[CHANGED])
            group_format[CHANGED] = concat (group_format[OLD],
            group_format[NEW], "");
}

no_diff_means_no_output =
    (output_style == OUTPUT_IFDEF ?
        (!*group_format[UNCHANGED]
        || (STREQ (group_format[UNCHANGED], "%=")
        && (!*line_format[UNCHANGED])))
    : (output_style != OUTPUT_SDIFF) | suppress_common_lines);

files_can_be_treated_as_binary =
    (brief & binary
    && ~ (ignore_blank_lines | ignore_case | strip_trailing_cr
    || (ignore_regexp_list.regexps || ignore_white_space)));
fatal ("--from-file and --to-file both specified");
else
for (; optind < argc; optind++)
{
    int status = compare_files (NULL, from_file, argv[optind]);
    if (exit_status < status)
        exit_status = status;
}
}
else
{
    if (to_file)
        for (; optind < argc; optind++)
        {
            int status = compare_files (NULL, argv[optind], to_file);
            if (exit_status < status)
                exit_status = status;
        }
    else
    {
        if (argc - optind != 2)
        {
            if (argc - optind < 2)
                try_help ("missing operand after "%s", argv[argc - 1]);
            else
                try_help ("extra operand "%s", argv[optind + 2]);
        }
        exit_status = compare_files (NULL, argv[optind], argv[optind + 1]);
    }
}

/* Print any messages that were saved up for last. */
print_message_queue ();

check_stdout ();
exit (exit_status);
return exit_status;

/* Append to REGLIST the regexp PATTERN. */

static void
add_regexp (struct regexp_list *reglist, char const *pattern)
{
    size_t patlen = strlen (pattern);
    char const *m = re_compile_pattern (pattern, patlen, reglist->buf);
if (m != 0)
    error (0, 0, "%s: %s", pattern, m);
else
{
    char *regexps = reglist->regexps;
    size_t len = reglist->len;
    bool multiple_regexps = reglist->multiple_regexps = regexps != 0;
    size_t newlen = reglist->len = len + 2 * multiple_regexps + patlen;
    size_t size = reglist->size;

    if (size <= newlen)
    {
        if (!size)
            size = 1;

        do size *= 2;
        while (size <= newlen);

        reglist->size = size;
        reglist->regexps = regexps = xrealloc (regexps, size);
    }
    if (multiple_regexps)
    {
        regexps[len++] = '\';
        regexps[len++] = '|';
    }
    memcpy (regexps + len, pattern, patlen + 1);
}

/* Ensure that REGLIST represents the disjunction of its regexps.
   This is done here, rather than earlier, to avoid O(N^2) behavior. */

static void
summarize_regexp_list (struct regexp_list *reglist)
{
    if (reglist->regexps)
    {
        /* At least one regexp was specified. Allocate a fastmap for it. */
        reglist->buf->fastmap = xmalloc (1 << CHAR_BIT);
        if (reglist->multiple_regexps)
        {
            /* Compile the disjunction of the regexps.
               (If just one regexp was specified, it is already compiled.) */
            char const *m = re_compile_pattern (reglist->regexps, reglist->len,
                                             reglist->buf);
            if (m)
                error (EXIT_TROUBLE, 0, "%s: %s", reglist->regexps, m);
        }
    }
}
}
}
}
static void
try_help (char const *reason_msgid, char const *operand)
{
if (reason_msgid)
error (0, 0, _(reason_msgid), operand);
error (EXIT_TROUBLE, 0, _("Try '%s --help' for more information."),
program_name);
abort ();
}
static void
check_stdout (void)
{
if (ferror (stdout))
fatal ("write failed");
else if (fclose (stdout) != 0)
pfatal_with_name (_("standard output"));
}
static char const * const option_help_msgid[] = {
N_(" --normal
output a normal diff (the default)"),
N_("-q, --brief
report only when files differ"),
N_("-s, --report-identical-files report when two files are the same"),
N_("-c, -C NUM, --context[=NUM] output NUM (default 3) lines of copied context"),
N_("-u, -U NUM, --unified[=NUM] output NUM (default 3) lines of unified context"),
N_("-e, --ed
output an ed script"),
N_("-n, --rcs
output an RCS format diff"),
N_("-y, --side-by-side
output in two columns"),
N_("-W, --width=NUM
output at most NUM (default 130) print columns"),
N_(" --left-column
output only the left column of common lines"),
N_(" --suppress-common-lines do not output common lines"),
"",
N_("-p, --show-c-function
show which C function each change is in"),
N_("-F, --show-function-line=RE show the most recent line matching RE"),
N_(" --label LABEL
use LABEL instead of file name\n"
"
(can be repeated)"),
"",
N_("-t, --expand-tabs
expand tabs to spaces in output"),
N_("-T, --initial-tab
make tabs line up by prepending a tab"),
N_(" --tabsize=NUM
tab stops every NUM (default 8) print columns"),
N_(" --suppress-blank-empty suppress space or tab before empty output lines"),
N_("-l, --paginate
pass output through 'pr' to paginate it"),
"",
N_("-r, --recursive
recursively compare any subdirectories found"),

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N_(" --no-dereference don't follow symbolic links"),
N_("-N, --new-file treat absent files as empty"),
N_("--unidirectional-new-file treat absent first files as empty"),
N_("--ignore-file-name-case ignore case when comparing file names"),
N_("--no-ignore-file-name-case consider case when comparing file names"),
N_("-x, --exclude=PAT exclude files that match PAT"),
N_("-X, --exclude-from=FILE exclude files that match any pattern in FILE"),
N_("-S, --starting-file=FILE start with FILE when comparing directories"),
N_("--from-file=FILE1 compare FILE1 to all operands;\n"
" FILE1 can be a directory"),
N_("--to-file=FILE2 compare all operands to FILE2;\n"
" FILE2 can be a directory"),
"",
N_("-i, --ignore-case ignore case differences in file contents"),
N_("-E, --ignore-tab-expansion ignore changes due to tab expansion"),
N_("-Z, --ignore-trailing-space ignore white space at line end"),
N_("-b, --ignore-space-change ignore changes in the amount of white space"),
N_("-w, --ignore-all-space ignore all white space"),
N_("-B, --ignore-blank-lines ignore changes where lines are all blank"),
N_("-I, --ignore-matching-lines=RE ignore changes where all lines match RE"),
"",
N_("-a, --text treat all files as text"),
N_("--strip-trailing-cr strip trailing carriage return on input"),
#if O_BINARY
N_("--binary read and write data in binary mode"),
#endif
N_("--ifdef=NAME output merged file with '#ifdef NAME' diffs"),
N_("--GTYPE-group-format=GFMT format GTYPE input groups with GFMT"),
N_("--line-format=LFMT format all input lines with LFMT"),
N_("--LTYPE-line-format=LFMT format LTYPE input lines with LFMT"),
N_(" These format options provide fine-grained control over the output
" " of diff, generalizing -D/--ifdef."),
N_(" LTYPE is 'old', 'new', or 'unchanged'. GTYPE is LTYPE or 'changed'."),
N_(" GFMT (only) may contain:\n\n%< lines from FILE1\n%> lines from FILE2\n%\n lines common to FILE1 and FILE2\n%[1-9][0-9]*[0-9] \[.:[0-9]+\] LETTER printf-style spec for LETTER\n\nLETTERS are as follows for new group, lower case for old group:\n F first line number\n L last line number\n N number of lines = L-F+1\n E F-1\n M L+1\n %\(A=B\?T:E\) if A equals B then T else E"),
N_(" LFMT (only) may contain:\n\n%L contents of line\n\n\nOpen Source Used In MSX Platform Infrastructure 4.1.0 34455
Both GFMT and LFMT may contain:

- \%c'C'
- \%c'\OOO'
- \c C
- \c'\OOO'
- C
- the character C (other characters represent themselves)

---

N_("-d, --minimal try hard to find a smaller set of changes"),
N_(" --horizon-lines=NUM keep NUM lines of the common prefix and suffix"),
N_(" --speed-large-files assume large files and many scattered small changes"),

---

N_("-v, --version output version information and exit"),

---

N_("FILES are 'FILE1 FILE2' or 'DIR1 DIR2' or 'DIR FILE...' or 'FILE... DIR'."),
N_("If --from-file or --to-file is given, there are no restrictions on FILE(s)."),
N_("If a FILE is '-', read standard input.")
N_("Exit status is 0 if inputs are the same, 1 if different, 2 if trouble.")

0

static void
usage (void)
{
  char const * const *p;

  printf (_("Usage: %s [OPTION]... FILES\n"), program_name);
  printf (_("Compare FILES line by line.
"), stdout);

  for (p = option_help_msgid;  *p;  p++)
  {
    if (!**p) putchar ('\n');
    else {
      char const *msg = _(*p);
      char const *nl;
      while ((nl = strchr (msg, '\n'))) {
        int msglen = nl - (msg);
        printf (_("\%s\n", msg);
        msg = nl + 1;
      }
printf ("%s
", msg);
}
}
emit_bug_reporting_address ();
}

/* Set VAR to VALUE, reporting an OPTION error if this is a conflict. */
static void
specify_value (char const **var, char const *value, char const *option)
{
  if (*var && !STREQ (*var, value))
    {
      error (0, 0, _("conflicting %s option value \\
                      \"%s\""), option, value);
      try_help (NULL, NULL);
    }
  *var = value;
}

/* Set the output style to STYLE, diagnosing conflicts. */
static void
specify_style (enum output_style style)
{
  if (output_style != style)
    {
      if (output_style != OUTPUT_UNSPECIFIED)
        try_help (_("conflicting output style options"), NULL);
      output_style = style;
    }
}

/* Set the last-modified time of *ST to be the current time. */
static void
set_mtime_to_now (struct stat *st)
{
#ifdef STAT_TIMESPEC
  gettime (&STAT_TIMESPEC (st, st_mtim));
#else
  struct timespec t;
  gettime (&t);
  st->st_mtime = t.tv_sec;
#endif
#ifdef STAT_TIMESPEC_NS
  STAT_TIMESPEC_NS (st, st_mtim) = t.tv_nsec;
#endif
  if defined HAVE_STRUCT_STAT_ST_SPARE1
    st->st_spare1 = t.tv_nsec / 1000;
#endif

#endif

/* Compare two files (or dirs) with parent comparison PARENT
and names NAME0 and NAME1.
(If PARENT is null, then the first name is just NAME0, etc.)
This is self-contained; it opens the files and closes them.

Value is EXIT_SUCCESS if files are the same, EXIT_FAILURE if
different, EXIT_TROUBLE if there is a problem opening them. */

static int
compare_files (struct comparison const *parent,
               char const *name0,
               char const *name1)
{
    struct comparison cmp;
    #define DIR_P(f) (S_ISDIR (cmp.file[f].stat.st_mode) != 0)
    register int f;
    int status = EXIT_SUCCESS;
    bool same_files;
    char *free0;
    char *free1;

    /* If this is directory comparison, perhaps we have a file
     * that exists only in one of the directories.
     * If so, just print a message to that effect. */
    if (! ((name0 && name1)
           || (unidirectional_new_file && name1)
           || new_file))
    {
        char const *name = name0 ? name0 : name1;
        char const *dir = parent->file[!name0].name;

        /* See POSIX 1003.1-2001 for this format. */
        message ("Only in %s: %s\n", dir, name);

        /* Return EXIT_FAILURE so that diff_dirs will return
         * EXIT_FAILURE ("some files differ"). */
        return EXIT_FAILURE;
    }

    memset (cmp.file, 0, sizeof cmp.file);
    cmp.parent = parent;

    /* cmp.file[f].desc markers */
    #define NONEXISTENT (-1) /* nonexistent file */
#define UNOPENED (-2) /* unopened file (e.g. directory) */
#define ERRNO_ENCODE(errno) (-3 - (errno)) /* encoded errno value */

#define ERRNO_DECODE(desc) (-3 - (desc)) /* inverse of ERRNO_ENCODE */

cmp.file[0].desc = name0 ? UNOPENED : NONEXISTENT;
cmp.file[1].desc = name1 ? UNOPENED : NONEXISTENT;

/* Now record the full name of each file, including nonexistent ones. */

if (!name0)
    name0 = name1;
if (!name1)
    name1 = name0;

if (!parent)
    {
        free0 = NULL;
        free1 = NULL;
        cmp.file[0].name = name0;
        cmp.file[1].name = name1;
    }
else
    {
        cmp.file[0].name = free0
        = file_name_concat (parent->file[0].name, name0, NULL);
        cmp.file[1].name = free1
        = file_name_concat (parent->file[1].name, name1, NULL);
    }

/* Stat the files. */

for (f = 0; f < 2; f++)
    {
        if (cmp.file[f].desc != NONEXISTENT)
        {
            if (f && file_name_cmp (cmp.file[f].name, cmp.file[0].name) == 0)
            {
                cmp.file[f].desc = cmp.file[0].desc;
                cmp.file[f].stat = cmp.file[0].stat;
            }
            else if (STREQ (cmp.file[f].name, "-"))
            {
                cmp.file[f].desc = STDIN_FILENO;
                if (binary && ! isatty (STDIN_FILENO))
                    set_binary_mode (STDIN_FILENO, O_BINARY);
                if (fstat (STDIN_FILENO, &cmp.file[f].stat) != 0)
                    cmp.file[f].desc = ERRNO_ENCODE (errno);
            }
        }
    }
else
{
    if (S_ISREG (cmp.file[f].stat.st_mode))
    {
        off_t pos = lseek (STDIN_FILENO, 0, SEEK_CUR);
        if (pos < 0)
            cmp.file[f].desc = ERRNO_ENCODE (errno);
        else
            cmp.file[f].stat.st_size =
                MAX (0, cmp.file[f].stat.st_size - pos);
    }

    /* POSIX 1003.1-2001 requires current time for stdin. */
    set_mtime_to_now (&cmp.file[f].stat);
}
}

else if ((no_dereference_symlinks
? lstat (cmp.file[f].name, &cmp.file[f].stat)
: stat (cmp.file[f].name, &cmp.file[f].stat))
!= 0)
    cmp.file[f].desc = ERRNO_ENCODE (errno);
}

/* Mark files as nonexistent as needed for -N and -P, if they are
inaccessible empty regular files (the kind of files that 'patch'
creates to indicate nonexistent backups), or if they are
top-level files that do not exist but their counterparts do
exist. */
for (f = 0; f < 2; f++)
    if (new_file || (f == 0 && unidirectional_new_file)
        && (cmp.file[f].desc == UNOPENED
            ? (S_ISREG (cmp.file[f].stat.st_mode)
                && ! (cmp.file[f].stat.st_mode & (S_IRWXU | S_IRWXG | S_IRWXO))
                && cmp.file[f].stat.st_size == 0)
                : ((cmp.file[f].desc == ERRNO_ENCODE (ENOENT)
                    || cmp.file[f].desc == ERRNO_ENCODE (EBADF))
                && ! parent
                && (cmp.file[1 - f].desc == UNOPENED
                    || cmp.file[1 - f].desc == STDIN_FILENO))))
        cmp.file[f].desc = NONEXISTENT;

for (f = 0; f < 2; f++)
    if (cmp.file[f].desc == NONEXISTENT)
    {
        memset (&cmp.file[f].stat, 0, sizeof cmp.file[f].stat);
        cmp.file[f].stat.st_mode = cmp.file[1 - f].stat.st_mode;
for (f = 0; f < 2; f++)
{
    int e = ERRNO_DECODE (cmp.file[f].desc);
    if (0 <= e)
    {
        errno = e;
        perror_with_name (cmp.file[f].name);
        status = EXIT_TROUBLE;
    }
}

if (status == EXIT_SUCCESS && ! parent && ! DIR_P (0) != DIR_P (1))
{
    /* If one is a directory, and it was specified in the command line,
     use the file in that dir with the other file's basename. */

    int fnm_arg = DIR_P (0);
    int dir_arg = 1 - fnm_arg;
    char const *fnm = cmp.file[fnm_arg].name;
    char const *dir = cmp.file[dir_arg].name;
    char const *filename = cmp.file[dir_arg].name = free0
                        = find_dir_file_pathname (dir, last_component (fnm));

    if (STREQ (fnm, "."))
        fatal ("cannot compare ". to a directory");

    if ((no_dereference_symlinks
         ? lstat (filename, &cmp.file[dir_arg].stat)
         : stat (filename, &cmp.file[dir_arg].stat))
        != 0)
    {
        perror_with_name (filename);
        status = EXIT_TROUBLE;
    }
}

if (status != EXIT_SUCCESS)
{
    /* One of the files should exist but does not. */
}
else if (cmp.file[0].desc == NONEXISTENT
         && cmp.file[1].desc == NONEXISTENT)
{
    /* Neither file "exists", so there's nothing to compare. */
}
else if ((same_files
= (cmp.file[0].desc != NONEXISTENT
    && cmp.file[1].desc != NONEXISTENT
    && 0 < same_file (&cmp.file[0].stat, &cmp.file[1].stat)
    && same_file_attributes (&cmp.file[0].stat,
                               &cmp.file[1].stat))
    && no_diff_means_no_output)
{
    /* The two named files are actually the same physical file.
       We know they are identical without actually reading them. */
}
else if (DIR_P (0) & DIR_P (1))
{
    if (output_style == OUTPUT_IFDEF)
        fatal ("-D option not supported with directories");

    /* If both are directories, compare the files in them. */
    if (parent && !recursive)
    {
        /* But don't compare dir contents one level down
           unless -r was specified.
           See POSIX 1003.1-2001 for this format. */
        message ("Common subdirectories: %s and %s\n", cmp.file[0].name, cmp.file[1].name);
    }
    else
        status = diff_dirs (&cmp, compare_files);
}
else if ((DIR_P (0) | DIR_P (1))
                     || (parent && !((S_ISREG (cmp.file[0].stat.st_mode)
                                    || S_ISLNK (cmp.file[0].stat.st_mode))
                                    && (S_ISREG (cmp.file[1].stat.st_mode)
                                        || S_ISLNK (cmp.file[1].stat.st_mode)))))
{
    if (cmp.file[0].desc == NONEXISTENT || cmp.file[1].desc == NONEXISTENT)
        
    /* We have a subdirectory that exists only in one directory. */
    if ((DIR_P (0) | DIR_P (1))
        && recursive
        && (new_file
            || (unidirectional_new_file
                && cmp.file[0].desc == NONEXISTENT)))
        status = diff_dirs (&cmp, compare_files);
    else
    { char const *dir;
/* PARENT must be non-NULL here. */
assert (parent);
dir = parent->file[cmp.file[0].desc == NONEXISTENT].name;

/* See POSIX 1003.1-2001 for this format. */
message5 ("Only in %s: %s
", dir, name0);

status = EXIT_FAILURE;
}
else
/* We have two files that are not to be compared. */

/* See POSIX 1003.1-2001 for this format. */
message5 ("File %s is a %s while file %s is a %s
",
file_label[0] ? file_label[0] : cmp.file[0].name,
file_type (&cmp.file[0].stat),
file_type (&cmp.file[1].stat));

/* This is a difference. */
status = EXIT_FAILURE;
}
else if (S_ISLNK (cmp.file[0].stat.st_mode)
|| S_ISLNK (cmp.file[1].stat.st_mode))
{
/* We get here only if we use lstat(), not stat(). */
assert (no_dereference_symlinks);

if (S_ISLNK (cmp.file[0].stat.st_mode)
&& S_ISLNK (cmp.file[1].stat.st_mode))
{
/* Compare the values of the symbolic links. */
char *link_value[2] = { NULL, NULL };

for (f = 0; f < 2; f++)
{
    link_value[f] = xreadlink (cmp.file[f].name);
    if (link_value[f] == NULL)
    {
        perror_with_name (cmp.file[f].name);
        status = EXIT_TROUBLE;
        break;
    }
}
if (status == EXIT_SUCCESS)
{
    if ( ! STREQ (link_value[0], link_value[1]))
    {
        message ("Symbolic links %s and %s differ\n", cmp.file[0].name, cmp.file[1].name);
        /* This is a difference. */
        status = EXIT_FAILURE;
    }
    for (f = 0; f < 2; f++)
        free (link_value[f]);
}
else
{
    /* We have two files that are not to be compared, because
     one of them is a symbolic link and the other one is not. */

    message5 ("File %s is a %s while file %s is a %s\n", file_label[0] ? file_label[0] : cmp.file[0].name, file_type (&cmp.file[0].stat), file_label[1] ? file_label[1] : cmp.file[1].name, file_type (&cmp.file[1].stat));

    /* This is a difference. */
    status = EXIT_FAILURE;
}
else if (files_can_be_treated_as_binary
    && S_ISREG (cmp.file[0].stat.st_mode)
    && S_ISREG (cmp.file[1].stat.st_mode)
    && cmp.file[0].stat.st_size != cmp.file[1].stat.st_size)
    {
        message ("Files %s and %s differ\n", file_label[0] ? file_label[0] : cmp.file[0].name, file_label[1] ? file_label[1] : cmp.file[1].name);
        status = EXIT_FAILURE;
    }
else
{
    /* Both exist and neither is a directory. */

    /* Open the files and record their descriptors. */

    int oflags = O_RDONLY | (binary ? O_BINARY : 0);

    if (cmp.file[0].desc == UNOPENED)
        if ((cmp.file[0].desc = open (cmp.file[0].name, oflags, 0)) < 0)
            /* Prevent stack overflow. */
            return (EXIT_FAILURE);
    /* open2 */
}
{  perror_with_name (cmp.file[0].name);  status = EXIT_TROUBLE;  }
if (cmp.file[1].desc == UNOPENED)
{
  if (same_files)
    cmp.file[1].desc = cmp.file[0].desc;
  else if ((cmp.file[1].desc = open (cmp.file[1].name, oflags, 0)) < 0)
  {
    perror_with_name (cmp.file[1].name);
    status = EXIT_TROUBLE;
  }
}

/* Compare the files, if no error was found. */

if (status == EXIT_SUCCESS)
status = diff_2_files (&cmp);
/* Close the file descriptors. */

if (0 <= cmp.file[0].desc && close (cmp.file[0].desc) != 0)
{
  perror_with_name (cmp.file[0].name);
  status = EXIT_TROUBLE;
}
if (0 <= cmp.file[1].desc && cmp.file[0].desc != cmp.file[1].desc &&
    close (cmp.file[1].desc) != 0)
{
  perror_with_name (cmp.file[1].name);
  status = EXIT_TROUBLE;
}

/* Now the comparison has been done, if no error prevented it,
and STATUS is the value this function will return. */

if (status == EXIT_SUCCESS)
{
  if (report_identical_files && !DIR_P (0))
    message ("Files %s and %s are identical\n", file_label[0] ? file_label[0] : cmp.file[0].name,
}
else
{
  /* Flush stdout so that the user sees differences immediately.
   */
}
This can hurt performance, unfortunately. */
if (fflush (stdout) != 0)
    pfatal_with_name ("standard output");
}
free (free0);
free (free1);
return status;
}

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1.4125 turf-invariant 6.1.2

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1.4130 class-utils 0.3.5
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package RESOURCE

import ( 
    "github.com/gophercloud/gophercloud"
    "github.com/gophercloud/gophercloud/pagination"
)

// RESOURCE represents...
type Resource struct {
    
}

type commonResult struct {
    gophercloud.Result
}

// GetResult is the response from a Get operation. Call its Extract method
// to interpret it as a RESOURCE.
type GetResult struct {
    commonResult
}

// CreateResult is the response from a Create operation. Call its Extract method
// to interpret it as a RESOURCE.
type CreateResult struct {
    commonResult
}

// DeleteResult is the response from a Delete operation. Call its ExtractErr to
// determine if the request succeeded or failed.
type DeleteResult struct {
    gophercloud.ErrResult
}

// UpdateResult is the result of an Update request. Call its Extract method to
// interpret it as a RESOURCE.
type UpdateResult struct {
    commonResult
}

// ResourcePage is a single page of RESOURCE results.
type ResourcePage struct {
    pagination.LinkedPageBase
}
// IsEmpty determines whether or not a page of RESOURCES contains any results.
func (r ResourcePage) IsEmpty() (bool, error) {
    resources, err := ExtractResources(r)
    return len(resources) == 0, err
}

// NextPageURL extracts the "next" link from the links section of the result.
func (r ResourcePage) NextPageURL() (string, error) {
    var s struct {
        Links struct {
            Next string `json:"next"`
            Previous string `json:"previous"`
        } `json:"links"`
    }
    err := r.ExtractInto(&s)
    if err != nil {
        return "", err
    }
    return s.Links.Next, err
}

// ExtractResources returns a slice of Resources contained in a single page of
// results.
func ExtractResources(r pagination.Page) ([]Resource, error) {
    var s struct {
        Resources []Resource `json:"resources"`
    }
    err := (r.(ResourcePage)).ExtractInto(&s)
    return s.Resources, err
}

// Extract interprets any commonResult as a Resource.
func (r commonResult) Extract() (*Resource, error) {
    var s struct {
        Resource *Resource `json:"resource"`
    }
    err := r.ExtractInto(&s)
    return s.Resource, err
}

Contributor Tutorial
====================

This tutorial is to help new contributors become familiar with the processes
used by the Gophercloud team when adding a new feature or fixing a bug.

While we have a defined process for working on Gophercloud, we're very mindful
that everyone is new to this in the beginning. Please reach out for help or ask
for clarification if needed. No question is ever "dumb" or not worth our time
To begin, go to [Step 1](step-01-introduction.md).

Step 5: Writing the Code

At this point, you should have:

- [x] Identified a feature or bug fix
- [x] Opened an Issue about it
- [x] Located the project's service code which validates the feature or fix
- [x] Have an OpenStack environment available to test with

Now it's time to write the actual code! We recommend reading over the [CONTRIBUTING](/.github/CONTRIBUTING.md) guide again as a refresh. Notably the [Getting Started](/.github/CONTRIBUTING.md#getting-started) section will help you set up a `git` repository correctly.

We encourage you to browse the existing Gophercloud code to find examples of similar implementations. It would be a _very_ rare occurrence for you to be implementing something that hasn't already been done.

Use the existing packages as templates and mirror the style, naming, and logic.

Types of Pull Requests

The amount of changes you plan to make will determine how much code you should submit as Pull Requests.

### A Single Bug Fix

If you're implementing a single bug fix, then creating one `git` branch and submitting one Pull Request is fine.

### Adding a Single Field

If you're adding a single field, then a single Pull Request is also fine. See [#662](https://github.com/gophercloud/gophercloud/pull/662) as an example of this.

If you plan to add more than one missing field, you will need to open a Pull Request for _each_ field.

### Adding a Single API Call

Single API calls can also be submitted as a single Pull Request. See
Adding a Suite of API Calls

If you're adding support for a "suite" of API calls (meaning: Create, Update, Delete, Get), then you will need to create one Pull Request for _each_ call.

The following Pull Requests are good examples of how to do this:

* https://github.com/gophercloud/gophercloud/pull/584
* https://github.com/gophercloud/gophercloud/pull/586
* https://github.com/gophercloud/gophercloud/pull/587
* https://github.com/gophercloud/gophercloud/pull/594

You can also use the provided [template](/docs/contributor-tutorial/.template) as it contains a lot of the repeated boiler plate code seen in each resource. However, please make sure to thoroughly review and edit it as needed. Leaving templated portions in-place might be interpreted as rushing through the work and will require further rounds of review to fix.

Adding an Entire OpenStack Project

To add an entire OpenStack project, you must break each set of API calls into individual Pull Requests. Implementing an entire project can be thought of as implementing multiple API suites.

An example of this can be seen from the Pull Requests referenced in [723](https://github.com/gophercloud/gophercloud/issues/723).

What to Include in a Pull Request
---------------------------------

Each Pull Request should contain the following:

1. The actual Go code to implement the feature or bug fix
2. Unit tests
3. Acceptance tests
4. Documentation

Whether you want to bundle all of the above into a single commit or multiple commits is up to you. Use your preferred style.

Unit Tests

Unit tests should provide basic validation that your code works as intended.

Please do not use JSON fixtures from the API reference documentation. Please
generate your own fixtures using the OpenStack environment you're [testing](step-04-acceptance-testing.md) with.

### Acceptance Tests

Since unit tests are not run against an actual OpenStack environment, acceptance tests can arguably be more important. The acceptance tests that you include in your Pull Request should confirm that your implemented code works as intended with an actual OpenStack environment.

### Documentation

All documentation in Gophercloud is done through in-line `godoc`. Please make sure to document all fields, functions, and methods appropriately. In addition, each package has a `doc.go` file which should be created or amended with details of your Pull Request, where appropriate.

#### Dealing with Related Pull Requests

If you plan to open more than one Pull Request, it's only natural that code from one Pull Request will be dependent on code from the prior Pull Request.

There are two methods of handling this:

### Create Independent Pull Requests

With this method, each Pull Request has all of the code to fully implement the code in question. Each Pull Request can be merged in any order because it's self contained.

Use the following `git` workflow to implement this method:

```shell
$ git checkout master
$ git pull
$ git checkout -b identityv3-regions-create
$ (write your code)
$ git add .
$ git commit -m "Implementing Regions Create"

$ git checkout master
$ git checkout -b identityv3-regions-update
$ (write your code)
$ git add .
$ git commit -m "Implementing Regions Update"
```
Advantages of this Method:

* Pull Requests can be merged in any order
* Additional commits to one Pull Request are independent of other Pull Requests

Disadvantages of this Method:

* There will be _a lot_ of duplicate code in each Pull Request
* You will have to rebase all other Pull Requests and resolve a good amount of merge conflicts.

### Create a Chain of Pull Requests

With this method, each Pull Request is based off of a previous Pull Request. Pull Requests will have to be merged in a specific order since there is a defined relationship.

Use the following `git` workflow to implement this method:

```
$ git checkout master
$ git pull
$ git checkout -b identityv3-regions-create
$ (write your code)
$ git add .
$ git commit -m "Implementing Regions Create"

$ git checkout -b identityv3-regions-update
$ (write your code)
$ git add .
$ git commit -m "Implementing Regions Update"
```

Advantages of this Method:

* Each Pull Request becomes smaller since you are building off of the last

Disadvantages of this Method:

* If a Pull Request requires changes, you will have to rebase _all_ child Pull Requests based off of the parent.

The choice of method is up to you.

---

Once you have your code written, submit a Pull Request to Gophercloud and proceed to [Step 6](step-06-code-review.md).
Step 6: Code Review

Once you've submitted a Pull Request, three things will happen automatically:

1. Travis-CI will run a set of simple tests:
   a. Unit Tests
   b. Code Formatting checks
   c. `go vet` checks

2. Coveralls will run a coverage test.
3. [OpenLab](https://openlabtesting.org/) will run acceptance tests.

Depending on the results of the above, you might need to make additional changes to your code.

While you're working on the finishing touches to your code, it is helpful to add a `\[wip]\` tag to the title of your Pull Request.

You are most welcomed to take as much time as you need to work on your Pull Request. As well, take advantage of the automatic testing that is done to each commit.

### Travis-CI

If Travis reports code formatting issues, please make sure to run `\`gofmt\` on all of your code. Travis will also report errors with unit tests, so you should ensure those are fixed, too.

### Coveralls

If Coveralls reports a decrease in test coverage, check and make sure you have provided unit tests. A decrease in test coverage is _sometimes_ unavoidable and ignorable.

### OpenLab

OpenLab does not yet run a full suite of acceptance tests, so it's possible that the acceptance tests you've included were not run. When this happens, a core member for Gophercloud will run the tests manually.

There are times when a core reviewer does not have access to the resources required to run the acceptance tests. When this happens, it is essential that you've run them yourself (See [Step 4](step-04.md)).
Request a Code Review

When you feel your Pull Request is ready for review, please leave a comment requesting a code review. If you don't explicitly ask for a code review, a core member might not know the Pull Request is ready for review.

Additionally, if there are parts of your implementation that you are unsure about, please ask for help. We're more than happy to provide advice.

During the code review process, a core member will review the code you've submitted and either request changes or request additional information. Generally these requests fall under the following categories:

1. Code which needs to be reformatted (See our [Style Guide](/docs/STYLEGUIDE.md) for conventions used).

2. Requests for additional information about the validity of something. This might happen because the included supporting service code URLs don't have enough information.

3. Missing unit tests or acceptance tests.

Submitting Changes

If a code review requires changes to be submitted, please do not squash your commits. Please only add new commits to the Pull Request. This is to help the code reviewer see only the changes that were made.

It's Never Personal

Code review is a healthy exercise where a new set of eyes can sometimes spot items forgotten by the author.

Please don't take change requests personally. Our intention is to ensure the code is correct before merging.

---

Once the code has been reviewed and approved, a core member will merge your Pull Request.

Please proceed to [Step 7](step-07-congratulations.md).

package testing

import (
"fmt"
"net/http"
"testing"

"github.com/gophercloud/gophercloud/openstack/service/vN/resources"
"github.com/gophercloud/gophercloud/testhelper"
"github.com/gophercloud/gophercloud/testhelper/client"

// ListResult provides a single page of RESOURCE results.
const ListResult = `{
}
`

// GetResult provides a Get result.
const GetResult = `{
}
`

// CreateRequest provides the input to a Create request.
const CreateRequest = `{
}
`

// UpdateRequest provides the input to as Update request.
const UpdateRequest = `{
}
`

// UpdateResult provides an update result.
const UpdateResult = `{
}
`

// FirstResource is the first resource in the List request.
var FirstResource = resources.Resource{ }

// SecondResource is the second resource in the List request.
var SecondResource = resources.Resource{ }

// SecondResourceUpdated is how SecondResource should look after an Update.
var SecondResourceUpdated = resources.Resource{ }
// ExpectedResourcesSlice is the slice of resources expected to be returned from ListResult.
var ExpectedResourcesSlice = []resources.Resource{FirstResource, SecondResource}

// HandleListResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that responds with a list of two resources.
func HandleListResourceSuccessfully(t *testing.T) {
    th.Mux.HandleFunc(`/resources`, func(w http.ResponseWriter, r *http.Request) {
        th.TestMethod(t, r, "GET")
        th.TestHeader(t, r, "Accept", "application/json")
        th.TestHeader(t, r, "X-Auth-Token", client.TokenID)
        w.Header().Set("Content-Type", "application/json")
        w.WriteHeader(http.StatusOK)
        fmt.Fprintf(w, ListResult)
    })
}

// HandleGetResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that responds with a single resource.
func HandleGetResourceSuccessfully(t *testing.T) {
    th.Mux.HandleFunc(`/resources/9fe1d3`, func(w http.ResponseWriter, r *http.Request) {
        th.TestMethod(t, r, "GET")
        th.TestHeader(t, r, "Accept", "application/json")
        th.TestHeader(t, r, "X-Auth-Token", client.TokenID)
        w.Header().Set("Content-Type", "application/json")
        w.WriteHeader(http.StatusOK)
        fmt.Fprintf(w, GetResult)
    })
}

// HandleCreateResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that tests resource creation.
func HandleCreateResourceSuccessfully(t *testing.T) {
    th.Mux.HandleFunc(`/resources`, func(w http.ResponseWriter, r *http.Request) {
        th.TestMethod(t, r, "POST")
        th.TestJSONRequest(t, r, CreateRequest)
        w.WriteHeader(http.StatusCreated)
        fmt.Fprintf(w, GetResult)
    })
}

// HandleDeleteResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that tests resource deletion.
func HandleDeleteResourceSuccessfully(t *testing.T) {
    th.Mux.HandleFunc(`/resources/9fe1d3`, func(w http.ResponseWriter, r *http.Request) {

th.TestMethod(t, r, "DELETE")
th.TestHeader(t, r, "X-Auth-Token", client.TokenID)

w.WriteHeader(http.StatusNoContent)
}

// HandleUpdateResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that tests resource update.
func HandleUpdateResourceSuccessfully(t *testing.T) {
    th.Mux.HandleFunc(`/resources/9fe1d3`, func(w http.ResponseWriter, r *http.Request) {
        th.TestMethod(t, r, "PATCH")
        th.TestHeader(t, r, "X-Auth-Token", client.TokenID)
        th.TestJSONRequest(t, r, UpdateRequest)
        w.WriteHeader(http.StatusOK)
        fmt.Fprintf(w, UpdateResult)
    })
}

package RESOURCE

import (
    "github.com/gophercloud/gophercloud"
    "github.com/gophercloud/gophercloud/pagination"
)

// ListOptsBuilder allows extensions to add additional parameters to
// the List request
type ListOptsBuilder interface {
    ToResourceListQuery() (string, error)
}

// ListOpts provides options to filter the List results.
type ListOpts struct {
}

// ToResourceListQuery formats a ListOpts into a query string.
func (opts ListOpts) ToResourceListQuery() (string, error) {
    q, err := gophercloud.BuildQueryString(opts)
    return q.String(), err
}

// List retrieves a list of RESOURCES.
func List(client *gophercloud.ServiceClient, opts ListOptsBuilder) pagination.Pager {
    url := listURL(client)
    if opts != nil {
        query, err := opts.ToResourceListQuery()
        if err != nil {
            return nil
        }
    }
}
return pagination.Pager{Err: err}
}
url += query
  return ResourcePage{pagination.LinkedPageBase{PageResult: r}}
})

// Get retrieves details of a RESOURCE.
func Get(client *gophercloud.ServiceClient, id string) (r GetResult) {
  _, r.Err = client.Get(getURL(client, id), &r.Body, nil)
  return
}

// CreateOptsBuilder allows extensions to add additional parameters to
// the Create request.
type CreateOptsBuilder interface {
  ToResourceCreateMap() (map[string]interface{}, error)
}

// CreateOpts provides options used to create a RESOURCE.
type CreateOpts struct {
}

// ToResourceCreateMap formats a CreateOpts into a create request.
func (opts CreateOpts) ToResourceCreateMap() (map[string]interface{}, error) {
  return gophercloud.BuildRequestBody(opts, "resource")
}

// Create creates a new RESOURCE.
func Create(client *gophercloud.ServiceClient, opts CreateOptsBuilder) (r CreateResult) {
  b, err := opts.ToResourceCreateMap()
  if err != nil {
    r.Err = err
    return
  }
  _, r.Err = client.Post(createURL(client), &b, &r.Body, &gophercloud.RequestOpts{
    OkCodes: []int{201},
  })
  return
}

// Delete deletes a RESOURCE.
func Delete(client *gophercloud.ServiceClient, id string) (r DeleteResult) {
  _, r.Err = client.Delete(deleteURL(client, id), nil)
  return
}
// UpdateOptsBuilder allows extensions to add additional parameters to
// the Update request.
type UpdateOptsBuilder interface {
    ToResourceUpdateMap() (map[string]interface{}, error)
}

// UpdateOpts represents parameters to update a RESOURCE.
type UpdateOpts struct {
}

// ToUpdateCreateMap formats a UpdateOpts into an update request.
func (opts UpdateOpts) ToResourceUpdateMap() (map[string]interface{}, error) {
    return gophercloud.BuildRequestBody(opts, "resource")
}

// Update modifies the attributes of a RESOURCE.
func Update(client *gophercloud.ServiceClient, id string, opts UpdateOptsBuilder) (r UpdateResult) {
    b, err := opts.ToResourceUpdateMap()
    if err != nil {
        r.Err = err
        return
    }
    _, r.Err = client.Patch(updateURL(client, id), b, &r.Body, &gophercloud.RequestOpts{
        OkCodes: []int{200},
    })
    return
}

package testing

import (
    "testing"
    "github.com/gophercloud/gophercloud/openstack/service/vN/resources"
    "github.com/gophercloud/gophercloud/pagination"
    th "github.com/gophercloud/gophercloud/testhelper"
    "github.com/gophercloud/gophercloud/testhelper/client"
)

func TestListResources(t *testing.T) {
    th.SetupHTTP()
    defer th.TeardownHTTP()
    HandleListResourcesSuccessfully(t)

    count := 0
        count++
        return
    })
    if err != nil {
        t.Errorf("Failed to list resources: %v", err)
    }
    t.Logf("Listed %d resources", count)
    return
}
actual, err := resources.ExtractResources(page)
th.AssertNoErr(t, err)

th.AssertDeepEquals(t, ExpectedResourcesSlice, actual)

return true, nil }
th.AssertNoErr(t, err)

func TestListResourcesAllPages(t *testing.T) {
th.SetupHTTP()
defer th.TeardownHTTP()
HandleListResourcesSuccessfully(t)

allPages, err := resources.List(client.ServiceClient(), nil).AllPages()
th.AssertNoErr(t, err)
actual, err := resources.ExtractResources(allPages)
th.AssertNoErr(t, err)

th.AssertDeepEquals(t, ExpectedResourcesSlice, actual)
}

func TestGetResource(t *testing.T) {
th.SetupHTTP()
defer th.TeardownHTTP()
HandleGetResourceSuccessfully(t)

actual, err := resources.Get(client.ServiceClient(), "9fe1d3").Extract()
th.AssertNoErr(t, err)

}

func TestCreateResource(t *testing.T) {
th.SetupHTTP()
defer th.TeardownHTTP()
HandleCreateResourceSuccessfully(t)

createOpts := resources.CreateOpts{
Name: "resource two",
}

actual, err := resources.Create(client.ServiceClient(), createOpts).Extract()
th.AssertNoErr(t, err)

}

func TestDeleteResource(t *testing.T) {
func TestDeleteResource(t *testing.T) {
    th.SetupHTTP()
    defer th.TeardownHTTP()
    HandleDeleteResourceSuccessfully(t)

    res := resources.Delete(client.ServiceClient(), "9fe1d3")
    th.AssertNoErr(t, res.Err)
}

func TestUpdateResource(t *testing.T) {
    th.SetupHTTP()
    defer th.TeardownHTTP()
    HandleUpdateResourceSuccessfully(t)

    updateOpts := resources.UpdateOpts{
        Description: "Staging Resource",
    }

    actual, err := resources.Update(client.ServiceClient(), "9fe1d3", updateOpts).Extract()
    th.AssertNoErr(t, err)
    th.AssertDeepEquals(t, SecondResourceUpdated, *actual)
}

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package RESOURCE

import "github.com/gophercloud/gophercloud"

func listURL(client *gophercloud.ServiceClient) string {
    return client.ServiceURL("resource")
}

func getURL(client *gophercloud.ServiceClient, id string) string {
    return client.ServiceURL("resource", id)
}

func createURL(client *gophercloud.ServiceClient) string {
    return client.ServiceURL("resource")
}

func deleteURL(client *gophercloud.ServiceClient, id string) string {
    return client.ServiceURL("resource", id)
}

func updateURL(client *gophercloud.ServiceClient, id string) string {
    return client.ServiceURL("resource", id)
}

Step 7: Congratulations!

At this point your code is merged and you've either fixed a bug or added a new feature to Gophercloud!
We completely understand that this has been a long process. We appreciate your patience as well as the time you have taken for working on this. You've made Gophercloud a better project with your work.

/*
Package NAME manages and retrieves RESOURCE in the OpenStack SERVICE Service.

Example to List RESOURCE

Example to Create a RESOURCE

Example to Update a RESOURCE

Example to Delete a RESOURCE

*/

package RESOURCE

Step 4: Acceptance Testing

If we haven't started working on the feature or bug fix, why are we talking about Acceptance Testing now?

Before you implement a feature or bug fix, you _must_ be able to test your code in a working OpenStack environment. Please do not submit code which you have only tested with offline unit tests.

Blindly submitting code is dangerous to the Gophercloud project. Developers from all over the world use Gophercloud in many different projects. If you submit code which is untested, it can cause these projects to break or become unstable.

And, to be frank, submitting untested code will inevitably cause someone else to have to spend time fixing it.

If you don't have an OpenStack environment to test with, we have lots of documentation [here](/acceptance) to help you build your own small OpenStack environment for testing.

---

Once you've confirmed you are able to test your code, proceed to [Step 5](step-05-pull-requests.md) to (finally!) start working on a Pull Request.

Step 2: Create an Issue

Every patch / Pull Request requires a corresponding issue. If you're fixing
a bug for an existing issue, then there's no need to create a new issue.

However, if no prior issue exists, you must create an issue.

Reporting a Bug
---------------

When reporting a bug, please try to provide as much information as you can.

The following issues are good examples for reporting a bug:

* https://github.com/gophercloud/gophercloud/issues/108
* https://github.com/gophercloud/gophercloud/issues/212
* https://github.com/gophercloud/gophercloud/issues/424
* https://github.com/gophercloud/gophercloud/issues/588
* https://github.com/gophercloud/gophercloud/issues/629
* https://github.com/gophercloud/gophercloud/issues/647

Feature Request
---------------

If you've noticed that a feature is missing from Gophercloud, you'll also need to create an issue before doing any work. This is start a discussion about whether or not the feature should be included in Gophercloud. We don't want to want to see you put in hours of work only to learn that the feature is out of scope of the project.

Feature requests can come in different forms:

### Adding a Feature to Gophercloud Core

The "core" of Gophercloud is the code which supports API requests and responses: pagination, error handling, building request bodies, and parsing response bodies are all examples of core code.

Modifications to core will usually have the most amount of discussion than other requests since a change to core will affect _all_ of Gophercloud.

The following issues are examples of core change discussions:

* https://github.com/gophercloud/gophercloud/issues/310
* https://github.com/gophercloud/gophercloud/issues/613
* https://github.com/gophercloud/gophercloud/issues/729
* https://github.com/gophercloud/gophercloud/issues/713

### Adding a Missing Field
If you've found a missing field in an existing struct, submit an issue to request having it added. These kinds of issues are pretty easy to report and resolve.

You should also provide a link to the actual service's Python code which defines the missing field.

The following issues are examples of missing fields:

* https://github.com/gophercloud/gophercloud/issues/620
* https://github.com/gophercloud/gophercloud/issues/621
* https://github.com/gophercloud/gophercloud/issues/658

There's one situation which can make adding fields more difficult: if the field is part of an API extension rather than the base API itself. An example of this can be seen in [this](https://github.com/gophercloud/gophercloud/issues/749) issue.

Here, a user reported fields missing in the `Get` function of `networking/v2/networks`. The fields reported missing weren't missing at all, they're just part of various Networking extensions located in `networking/v2/extensions`.

### Adding a Missing API Call

If you've found a missing API action, create an issue with details of the action. For example:

* https://github.com/gophercloud/gophercloud/issues/715
* https://github.com/gophercloud/gophercloud/issues/719

You'll want to make sure the API call is part of the upstream OpenStack project and not an extension created by a third-party or vendor. Gophercloud only supports the OpenStack projects proper.

### Adding a Missing API Suite

Adding support to a missing suite of API calls will require more than one Pull Request. However, you can use a single issue for all PRs.

Examples of issues which track the addition of a missing API suite are:

* https://github.com/gophercloud/gophercloud/issues/539
* https://github.com/gophercloud/gophercloud/issues/555
* https://github.com/gophercloud/gophercloud/issues/571
* https://github.com/gophercloud/gophercloud/issues/583
* https://github.com/gophercloud/gophercloud/issues/605
Note how the issue breaks down the implementation by request types (Create, Update, Delete, Get, List).

Also note how these issues provide links to the service's Python code. These links are not required for _issues_, but it's usually a good idea to provide them, anyway. These links _are required_ for PRs and that will be covered in detail in a later step of this tutorial.

### Adding a Missing OpenStack Project

These kinds of feature additions are large undertakings. Adding support for an entire OpenStack project is something the Gophercloud team very much appreciates, but you should be prepared for several weeks of work and interaction with the Gophercloud team.

An example of how to create an issue for an entire project can be seen here:

* https://github.com/gophercloud/gophercloud/issues/723

---

With all of the above in mind, proceed to [Step 3](step-03-code-hunting.md) to learn about Code Hunting.
Step 1: Read Our Guides

There are two introductory guides you should read before proceeding:

* [CONTRIBUTING](/.github/CONTRIBUTING.md): The Contributing guide is a detailed document which describes the different ways you can contribute to Gophercloud and how to get started. This tutorial you're reading is very similar to that guide, but presented in a different way. We still recommend you read it over.

* [STYLE](/docs/STYLEGUIDE.md): The Style Guide documents coding conventions used in the Gophercloud project.

---

When you've finished reading those guides, proceed to [Step 2](step-02-issues.md).
Step 3: Code Hunting

If you plan to submit a feature or bug fix to Gophercloud, you must be able to prove your code correctly works with the OpenStack service in question.

Let's use the following issue as an example:
In this issue, there's a request being made to add support for `availability_zone_hints` to the `networking/v2/networks` package. Meaning, we want to change:

```go
type Network struct {
    ID           string `json:"id"
    Name         string `json:"name"
    AdminStateUp bool   `json:"admin_state_up"
    Status       string `json:"status"
    Subnets      []string `json:"subnets"
    TenantID     string `json:"tenant_id"
    Shared       bool   `json:"shared"
}
```

to look like

```go
type Network struct {
    ID           string `json:"id"
    Name         string `json:"name"
    AdminStateUp bool   `json:"admin_state_up"
    Status       string `json:"status"
    Subnets      []string `json:"subnets"
    TenantID     string `json:"tenant_id"
    Shared       bool   `json:"shared"
    AvailabilityZoneHints []string `json:"availability_zone_hints"
}
```

We need to be sure that `availability_zone_hints` is a field which really does exist in the OpenStack Neutron project and it's not a field which was added as a customization to a single OpenStack cloud.

In addition, we need to ensure that `availability_zone_hints` is really a `[]string` and not a different kind of type.

One way of verifying this is through the [OpenStack API reference documentation](https://developer.openstack.org/api-ref/network/v2/).

However, the API docs might either be incorrect or they might not provide all of the details we need to know in order to ensure this field is added correctly.

> Note: when we say the API docs might be incorrect, we are not implying that the API docs aren't useful or that the contributors who work on the API > docs are wrong. OpenStack moves fast. Typos happen. Forgetting to update
Since the OpenStack service itself correctly accepts and processes the fields, the best source of information on how the field works is in the service code itself.

Continuing on with using #621 as an example, we can find the definition of `availability_zone_hints` in the following piece of code:

https://github.com/openstack/neutron/blob/8e9959725eda4063a318b4ba6af1e3494cad9e35/neutron/objects/network.py#L191

The above code confirms that `availability_zone_hints` is indeed part of the `Network` object and that its type is a list of strings (`[]string`).

This example is a best-case situation: the code is relatively easy to find and it's simple to understand. However, there will be times when proving the implementation in the service code is difficult. Make no mistake, this is _not_ fun work. This can sometimes be more difficult than writing the actual patch for Gophercloud. However, this is an essential step to ensuring the feature or bug fix is correctly added to Gophercloud.

Examples of good code hunting can be seen here:

* https://github.com/gophercloud/gophercloud/issues/539
* https://github.com/gophercloud/gophercloud/issues/555
* https://github.com/gophercloud/gophercloud/issues/571
* https://github.com/gophercloud/gophercloud/issues/583
* https://github.com/gophercloud/gophercloud/issues/605

Code Hunting Tips

OpenStack projects differ from one to another. Code is organized in different ways. However, the following tips should be useful across all projects.

* The logic which implements Create and Delete actions is usually either located in the "model" or "controller" portion of the code.

* Use Github's search box to search for the exact field you're working on. Review all results to gain a good understanding of everywhere the field is used.

* When adding a field, look for an object model or a schema of some sort.

---

Proceed to [Step 4](step-04-acceptance-testing.md) to learn about Acceptance
1.4134 commons-cli 1.2

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# Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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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.

### byte-buddy 1.9.12

C port of Murmur3 hash

This is a port of the [Murmur3](http://code.google.com/p/smhasher/wiki/MurmurHash3) hash function. Murmur3 is
a non-cryptographic hash, designed to be fast and excellent-quality for making things like hash tables or bloom filters. This is a port of the original C++ code, designed for Visual Studio, into standard C that gcc can compile efficiently.

How to use it
-------------

Just compile and link your program with `murmur3.c`, and be sure to include `murmur3.h` to get the function prototypes. There are three hash functions:

void MurmurHash3_x86_32 (const void *key, int len, uint32_t seed, void *out);

void MurmurHash3_x86_128(const void *key, int len, uint32_t seed, void *out);

void MurmurHash3_x64_128(const void *key, int len, uint32_t seed, void *out);

All three of these functions have the same interface: you give them `key`, a pointer to the data you wish to hash; `len`, the length in bytes; `seed`, an arbitrary seed number which you can use to tweak the hash, and `out`, a pointer to a buffer big enough to hold the hash's output value.

The hash functions differ in both their internal mechanisms and in their outputs. They are specialized for different use cases:

**MurmurHash3_x86_32** has the lowest throughput, but also the lowest latency. If you're making a hash table that usually has small keys, this is probably the one you want to use on 32-bit machines. It has a 32-bit output.

**MurmurHash3_x86_128** is also designed for 32-bit systems, but produces a 128-bit output, and has about 30% higher throughput than the previous hash. Be warned, though, that its latency for a single 16-byte key is about 86% longer!

**MurmurHash3_x64_128** is the best of the lot, if you're using a 64-bit machine. Its throughput is 250% higher than MurmurHash3_x86_32, but it has roughly the same latency. It has a 128-bit output.

The hash functions are designed to work efficiently on x86 processors; in particular, they make some assumptions about the endianness of the processor, and about the speed of unaligned reads. If you have problems running this code on non-x86 architectures, it should be possible to modify it to work correctly and efficiently -- I just don't have access to those machines for testing. The code in `murmur3.c` is pretty straightforward, and shouldn't be too hard to alter.

There is an example program, `example.c`, which you can look at and play with. You can build it with the makefile.

License and contributing
------------------------

All this code is in the public domain. Murmur3 was created by Austin Appleby, and the C port and general tidying up was done by Peter Scott. If you'd like to contribute something, I would love to add your name to this list.
Found in path(s):
* /opt/cola/permits/1156528848_1623215417.26/0/murmur3-master- zip/murmur3-master/README.md
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Found in path(s):
* /opt/cola/permits/1156528848_1623215417.26/0/murmur3-master- zip/murmur3-master/murmur3.h

1.4143 libxtst 1.2.3-r3
1.4143.1 Available under license:

# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=6
pkgdesc="A library for high-performance 2D graphics"
url="https://www.levien.com/libart/
arch="all"
options="!check" # No test suite.
license="LGPL-2.0-or-later"
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2"

builddir="$srcdir/libart_lgpl-$pkgver"

prepare() {
  update_config_sub
  default_prepare
}

build() {
  ./configure
  --build=$CBUILD
  --host=$CHOST
  --prefix=/usr
  make
}

package() {
  make DESTDIR="$pkgdir" install
}

sha512sums="8a632a6a4da59e5e8c02ce2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e76654309e001ae79bace727b5b4c8589405256a3c020 libart_lgpl-2.3.21.tar.bz2"
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```
# 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=4
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource"
arch="all"
license="GPL-1.0-or-later OR Artistic-1.0-Perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/JJH/JHI/S__pkgreal-SPkgver.tar.gz"
```
builddir="$srcdir/$_pkgreal-$pkgver"

prepare() {
  default_prepare

  export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}');
  PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}

build() {
  export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}');
  make
}

check() {
  make test
}

package() {
  make DESTDIR="$pkgdir" install
  find "$pkgdir" \(-name perllocal.pod -o -name .packlist \) -delete
}

sha512sums="d0032d41c7c0468ed1c6d8f57b8856f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16
dfa54276b8065ba65f4fa16da9262728b3b6b85  BSD-Resource-1.2911.tar.gz"

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Version 3, 19 November 2007

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pkgname=spdx-licenses
pkgver=3.8
pkgrel=0
pkgdesc="Various data formats for the SPDX License List"
url="https://spdx.org/"
arch="noarch"
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="$pkgdesc (Style)"
install_if="$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##*/}
local license=${license%.txt}
local license=${license%%.*}
echo $license%.* >> "$subpkgdir"/usr/share/spdx/license.lst
done
}

sha512sums="0950540df050fb7f7ce92f5ad1bf756725e233d701f0ecb2fc5bfa85dae65bba3400de7fd78b4b1d8a41de
ab4e461a5f1018f4869d9f3e0428a5a64c32e01c60 license-list-data-3.8.tar.gz"

1.4144 popt 1.16-10+b2
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1.4145 zlib 1.2.11-r3

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1.4146 opensaml-saml-impl 3.3.0

1.4147 platform 1.3.5

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1.4148 safer-buffer 2.1.2

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1.4149 kerberos 1.18.1

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package api

import {
    "bytes"
    "io/ioutil"
    "os"
    "path/filepath"
    "regexp"
    "testing"
}

// Files in this package use a BSD-style license.
var sentinel = regexp.MustCompile(`(//|#) Copyright \d\d\d\d (Google LLC|The Go Authors)(\.)*( All rights reserved\.)\n(//|#) Use of this source code is governed by a BSD-style
(//|#) license that can be found in the LICENSE file.
`)

const prefix = "// Copyright"

// A few files have to be skipped.
var skip = map[string]bool{
    "tools.go": true, // This file requires another comment above the license.
    "internal/third_party/uritemplates/uritemplates.go": true, // This file is licensed to an individual.
    "internal/third_party/uritemplates/uritemplates_test.go": true, // This file is licensed to an individual.
}

// This test validates that all go files in the repo start with an appropriate license.
func TestLicense(t *testing.T) {

err := filepath.Walk(".", func(path string, fi os.FileInfo, err error) error {
    if skip[path] {
        return nil
    }
    if err != nil {
        return err
    }
    if filepath.Ext(path) != ".go" && filepath.Ext(path) != ".sh" {
        return nil
    }
    src, err := ioutil.ReadFile(path)
    if err != nil {
        return nil
    }
    // Verify that the license is matched.
    if !sentinel.Match(src) {
        t.Errorf("%v: license header not present", path)
        return nil
    }
    // Also check it is at the top of .go files (but not .sh files, because they must have a shebang first).
    if filepath.Ext(path) == ".go" && !bytes.HasPrefix(src, []byte(prefix)) {
        t.Errorf("%v: license header not at the top", path)
    }
    return nil
})
if err != nil {
    t.Fatal(err)
}

1.4151 form-data 2.3.3
1.4151.1 Available under license:

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1.4152 geojson-normalize 0.0.0

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1.4153 ianlancetaylor-cgosymbolizer v0.0.0-20170921033129-f5072df9c550

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* /opt/ws_local/PERMITS_SQL/1022263413_1596469090.25/0/tile-map-zip/tile_map/public/__tests__/coordinate_maps_visualization.js
* /opt/ws_local/PERMITS_SQL/1022263413_1596469090.25/0/tile-map-zip/tile_map/common/file_layer.js
* /opt/ws_local/PERMITS_SQL/1022263413_1596469090.25/0/tile-map-zip/tile_map/public/markers/geohash_grid.js
* /opt/ws_local/PERMITS_SQL/1022263413_1596469090.25/0/tile-map-zip/tile_map/public/markers/scaled_circles.js
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* /opt/ws_local/PERMITS_SQL/1022263413_1596469090.25/0/tile-map-zip/tile_map/public/editors/tile_map_vis_params.js
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* /opt/ws_local/PERMITS_SQL/1022263413_1596469090.25/0/tile-map-zip/tile_map/public/editors/wms_options.js
* /opt/ws_local/PERMITS_SQL/1022263413_1596469090.25/0/tile-map-zip/tile_map/public/markers/heatmap.js

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defaultMessage: 'Use WMS compliant map tile server. For advanced users only.'
]
position="right"
</icon-tip>
</div>
</div>

<div ng-show="options.enabled">
<div class="form-group">
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  [wmsLink]."
  i18n-values="{
    html_wmsLink: ' <a href="http://www.opengeospatial.org/standards/wms\">'+ wmsLinkText + '</a>'
  }
"
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    i18n-id="tileMap.wmsOptions.wmsUrlLabel"
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</span>
  <icon-tip
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    }"
    position="right"
  >
</icon-tip>
</label>
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  ng-model="options.url">
</div>

<div class="form-group">
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      i18n-default-message="WMS layers*"
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  </span>
    <icon-tip
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        defaultMessage: 'A comma separated list of layers to use'
      }"
      position="right"
    >
</icon-tip>
  </label>
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    ng-model="options.options.layers">
</div>

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      }
    "
    position="right"
  ></icon-tip>
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  <input type="text" class="form-control"
    name="wms.options.version"
    ng-model="options.options.version">
</div>

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      i18n-default-message="WMS format*"
    ></span>
    <icon-tip
      content="::'tileMap.wmsOptions.imageFormatToUseTip' | i18n: {
        defaultMessage: 'Usually image/png or image/jpeg. Use png if the server will return transparent layers.'
      }
    "
    position="right"
  ></icon-tip>
  </label>
  <input type="text" class="form-control"
    name="wms.options.format"
    ng-model="options.options.format">
</div>

<div class="form-group">
  <label>
    <span
      i18n-id="tileMap.wmsOptions.wmsAttributionLabel"
      i18n-default-message="WMS attribution"
    ></span>
</label>
  <span
    i18n-id="tileMap.wmsOptions.wmsAttributionLabel"
    i18n-default-message="WMS attribution"
  >
</span>
</div>
<div class="form-group">
  <label>
    <icon-tip
      content="::'tileMap.wmsOptions.wmsStylesLabel' | i18n: {
        defaultMessage: 'WMS styles'
      }
    
    position="right"
    >"</icon-tip>
    <input type="text" class="form-control"
      name="wms.options.styles"
      ng-model="options.options.styles">
  </label>
</div>

<p
  i18n-id="tileMap.wmsOptions.mapLoadFailDescription"
  i18n-default-message="* if this parameter is incorrect, maps will fail to load."
>
  
</p>

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* /opt/ws_local/PERMITS_SQL/1022263413_1596469090.25/0/tile-map-
zip/tile_map/public/editors/wms_options.html

1.4162 spring-boot-actuator-autoconfigure
2.1.4
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1.4163 leodido-go-urn v0.0.0-20181204092800-a67a23e1c1af

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1.4164 logstash-codec-rubydebug 3.0.6

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1.4165 parallel-transform 1.1.0

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1.4166 mime-types 2.1.32

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1.4168 node-function-bind 1.1.1+repack-1
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1.4172 x-net 0.0.0-20200202094626

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1.4174 zlib 1.2.3

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/* zlib.h -- interface of the 'zlib' general purpose compression library
   version 1.1.4, March 11th, 2002

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jloup@gzip.org          madler@alumni.caltech.edu

The data format used by the zlib library is described by RFCs (Request for
Comments) 1950 to 1952 in the files ftp://ds.internic.net/rfc/rfc1950.txt (zlib format), rfc1951.txt (deflate format) and rfc1952.txt (gzip format).

*/
/* match.s -- Pentium-optimized version of longest_match()
* Written for zlib 1.1.2
* Copyright (C) 1998 Brian Raiter <breadbox@muppetlabs.com>
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*/

1.4175 yajl 2.1.0-3

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1.4176 jzlib 1.1.3

1.4177 go-yaml v3.0.0-20200615113413-eeca48fe776

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1.4178 conntrack-tools 1.4.4 7.el7

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1.4181 make-dir 2.1.0

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1.4182 chrome-trace-event 1.0.0

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1.4183 libxml 2.9.10-r3

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1.4184 libjpeg-turbo 1.5.1-2

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1.4184.2 Available under license:
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README for release 6b of 27-Mar-1998
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DOCUMENTATION ROADMAP
=======================

This file contains the following sections:

OVERVIEW General description of JPEG and the IJG software.
LEGAL ISSUES Copyright, lack of warranty, terms of distribution.
REFERENCES Where to learn more about JPEG.
ARCHIVE LOCATIONS Where to find newer versions of this software.
RELATED SOFTWARE Other stuff you should get.
FILE FORMAT WARS Software *not* to get.
TO DO Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:
install.doc How to configure and install the IJG software.
usage.doc Usage instructions for cjpeg, djpeg, jpegtran,
rdjpgcom, and wrjpgcom.
*.1 Unix-style man pages for programs (same info as usage.doc).
wizard.doc Advanced usage instructions for JPEG wizards only.
change.log Version-to-version change highlights.

Programmer and internal documentation:
libjpeg.doc How to use the JPEG library in your own programs.
example.c Sample code for calling the JPEG library.
structure.doc  Overview of the JPEG library's internal structure.
filelist.doc    Road map of IJG files.
coderules.doc   Coding style rules --- please read if you contribute code.

Please read at least the files install.doc and usage.doc. Useful information can also be found in the JPEG FAQ (Frequently Asked Questions) article. See ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

If you want to understand how the JPEG code works, we suggest reading one or more of the REFERENCES, then looking at the documentation files (in roughly the order listed) before diving into the code.

OVERVIEW
========

This package contains C software to implement JPEG image compression and decompression. JPEG (pronounced "jay-peg") is a standardized compression method for full-color and gray-scale images. JPEG is intended for compressing "real-world" scenes; line drawings, cartoons and other non-realistic images are not its strong suit. JPEG is lossy, meaning that the output image is not exactly identical to the input image. Hence you must not use JPEG if you have to have identical output bits. However, on typical photographic images, very good compression levels can be obtained with no visible change, and remarkably high compression levels are possible if you can tolerate a low-quality image. For more details, see the references, or just experiment with various compression settings.

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. For legal reasons, we are not distributing code for the arithmetic-coding variants of JPEG; see LEGAL ISSUES. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files, plus two sample applications "cjpeg" and "djpeg", which use the library to perform conversion between JPEG and some other popular image file formats. The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application. We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for
inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

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The Unix configuration script "configure" was produced with GNU Autoconf. It is copyright by the Free Software Foundation but is freely distributable. The same holds for its supporting scripts (config.guess, config.sub, ltconfig, ltmain.sh). Another support script, install-sh, is copyright by M.I.T. but is also freely distributable.

It appears that the arithmetic coding option of the JPEG spec is covered by patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot legally be used without obtaining one or more licenses. For this reason, support for arithmetic coding has been removed from the free JPEG software. (Since arithmetic coding provides only a marginal gain over the unpatented Huffman mode, it is unlikely that very many implementations will support it.) So far as we are aware, there are no patent restrictions on the remaining code.

The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

We are required to state that
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REFERENCES
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We highly recommend reading one or more of these references before trying to understand the innards of the JPEG software.

The best short technical introduction to the JPEG compression algorithm is Wallace, Gregory K. "The JPEG Still Picture Compression Standard", Communications of the ACM, April 1991 (vol. 34 no. 4), pp. 30-44. (Adjacent articles in that issue discuss MPEG motion picture compression, applications of JPEG, and related topics.) If you don't have the CACM issue handy, a PostScript file containing a revised version of Wallace's article is available at ftp://ftp.uu.net/graphics/jpeg/wallace.ps.gz. The file (actually a preprint for an article that appeared in IEEE Trans. Consumer Electronics) omits the sample images that appeared in CACM, but it includes corrections and some added material. Note: the Wallace article is copyright ACM and IEEE, and it may not be used for commercial purposes.

A somewhat less technical, more leisurely introduction to JPEG can be found in "The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look at a full implementation, you've got one here...


The JPEG standard itself is not available electronically; you must order a paper copy through ISO or ITU. (Unless you feel a need to own a certified official copy, we recommend buying the Pennebaker and Mitchell book instead; it's much cheaper and includes a great deal of useful explanatory material.) In the USA, copies of the standard may be ordered from ANSI Sales at (212) 642-4900, or from Global Engineering Documents at (800) 854-7179. (ANSI doesn't take credit card orders, but Global does.) It's not cheap: as of 1992, ANSI was charging $95 for Part 1 and $47 for Part 2, plus 7% shipping/handling. The standard is divided into two parts, Part 1 being the
actual specification, while Part 2 covers compliance testing methods. Part 1
is titled "Digital Compression and Coding of Continuous-tone Still Images,
Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS
10918-1, ITU-T T.81. Part 2 is titled "Digital Compression and Coding of
Continuous-tone Still Images, Part 2: Compliance testing" and has document

Some extensions to the original JPEG standard are defined in JPEG Part 3,
a newer ISO standard numbered ISO/IEC IS 10918-3 and ITU-T T.84. IJG
currently does not support any Part 3 extensions.

The JPEG standard does not specify all details of an interchangeable file
format. For the omitted details we follow the "JFIF" conventions, revision
1.02. A copy of the JFIF spec is available from:

Literature Department
C-Cube Microsystems, Inc.
1778 McCarthy Blvd.
Milpitas, CA 95035
phone (408) 944-6300, fax (408) 944-6314
A PostScript version of this document is available by FTP at
ftp://ftp.uu.net/graphics/jpeg/jfif.ps.gz. There is also a plain text
version at ftp://ftp.uu.net/graphics/jpeg/jfif.txt.gz, but it is missing
the figures.

The TIFF 6.0 file format specification can be obtained by FTP from
found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems.
IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6).
Instead, we recommend the JPEG design proposed by TIFF Technical Note #2
(Compression tag 7). Copies of this Note can be obtained from ftp.sgi.com or
from ftp://ftp.uu.net/graphics/jpeg/. It is expected that the next revision
of the TIFF spec will replace the 6.0 JPEG design with the Note's design.
Although IJG's own code does not support TIFF/JPEG, the free libtiff library
uses our library to implement TIFF/JPEG per the Note. libtiff is available
from ftp://ftp.sgi.com/graphics/tiff/

ARCHIVE LOCATIONS
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The "official" archive site for this software is ftp.uu.net (Internet
address 192.48.96.9). The most recent released version can always be found
there in directory graphics/jpeg. This particular version will be archived
as ftp://ftp.uu.net/graphics/jpeg/jpegsrc.v6b.tar.gz. If you don't have
direct Internet access, UUNET's archives are also available via UUCP; contact
help@uunet.uu.net for information on retrieving files that way.

Numerous Internet sites maintain copies of the UUNET files. However, only
ftp.uu.net is guaranteed to have the latest official version.

You can also obtain this software in DOS-compatible "zip" archive format from the SimTel archives (ftp://ftp.simtel.net/pub/simtelnet/msdos/graphics/), or on CompuServe in the Graphics Support forum (GO CIS:GRAPHSUP), library 12 "JPEG Tools". Again, these versions may sometimes lag behind the ftp.uu.net release.

The JPEG FAQ (Frequently Asked Questions) article is a useful source of general information about JPEG. It is updated constantly and therefore is not included in this distribution. The FAQ is posted every two weeks to Usenet newsgroups comp.graphics.misc, news.answers, and other groups. It is available on the World Wide Web at http://www.faqs.org/faqs/jpeg-faq/ and other news.answers archive sites, including the official news.answers archive at rtfm.mit.edu: ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/.

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send usenet/news.answers/jpeg-faq/part1
send usenet/news.answers/jpeg-faq/part2

RELATED SOFTWARE
================

Numerous viewing and image manipulation programs now support JPEG. (Quite a few of them use this library to do so.) The JPEG FAQ described above lists some of the more popular free and shareware viewers, and tells where to obtain them on Internet.

If you are on a Unix machine, we highly recommend Jef Poskanzer's free PBMPLUS software, which provides many useful operations on PPM-format image files. In particular, it can convert PPM images to and from a wide range of other formats, thus making cjpeg/djpeg considerably more useful. The latest version is distributed by the NetPBM group, and is available from numerous sites, notably ftp://wuarchive.wustl.edu/graphics/graphics/packages/NetPBM/. Unfortunately PBMPLUS/NETPBM is not nearly as portable as the IJG software is; you are likely to have difficulty making it work on any non-Unix machine.

A different free JPEG implementation, written by the PVRG group at Stanford, is available from ftp://havefun.stanford.edu/pub/jpeg/. This program is designed for research and experimentation rather than production use; it is slower, harder to use, and less portable than the IJG code, but it is easier to read and modify. Also, the PVRG code supports lossless JPEG, which we do not. (On the other hand, it doesn't do progressive JPEG.)

FILE FORMAT WARS
================
Some JPEG programs produce files that are not compatible with our library. The root of the problem is that the ISO JPEG committee failed to specify a concrete file format. Some vendors "filled in the blanks" on their own, creating proprietary formats that no one else could read. (For example, none of the early commercial JPEG implementations for the Macintosh were able to exchange compressed files.)

The file format we have adopted is called JFIF (see REFERENCES). This format has been agreed to by a number of major commercial JPEG vendors, and it has become the de facto standard. JFIF is a minimal or "low end" representation. We recommend the use of TIFF/JPEG (TIFF revision 6.0 as modified by TIFF Technical Note #2) for "high end" applications that need to record a lot of additional data about an image. TIFF/JPEG is fairly new and not yet widely supported, unfortunately.

The upcoming JPEG Part 3 standard defines a file format called SPIFF. SPIFF is interoperable with JFIF, in the sense that most JFIF decoders should be able to read the most common variant of SPIFF. SPIFF has some technical advantages over JFIF, but its major claim to fame is simply that it is an official standard rather than an informal one. At this point it is unclear whether SPIFF will supersede JFIF or whether JFIF will remain the de-facto standard. IJG intends to support SPIFF once the standard is frozen, but we have not decided whether it should become our default output format or not. (In any case, our decoder will remain capable of reading JFIF indefinitely.)

Various proprietary file formats incorporating JPEG compression also exist. We have little or no sympathy for the existence of these formats. Indeed, one of the original reasons for developing this free software was to help force convergence on common, open format standards for JPEG files. Don't use a proprietary file format!

TO DO
=====

The major thrust for v7 will probably be improvement of visual quality. The current method for scaling the quantization tables is known not to be very good at low Q values. We also intend to investigate block boundary smoothing, "poor man's variable quantization", and other means of improving quality-vs-file-size performance without sacrificing compatibility.

In future versions, we are considering supporting some of the upcoming JPEG Part 3 extensions --- principally, variable quantization and the SPIFF file format.

As always, speeding things up is of great interest.
Please send bug reports, offers of help, etc. to jpeg-info@uunet.uu.net.

1.4185 hdrhistogram 2.1.9

1.4186 logstash-codec-edn 3.0.6

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1.4188 visual-studio-runtime 12.00.21005.1
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* /opt/cola/permits/1136404733_1613736370.46/0/spatial4j-0-7-sources-4.jar/org/locationtech/spatial4j/shape/jts/JtsSpatialContextFactory.java
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1.4232 wrappy 1.0.2

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# Constant-time SSSE3 AES core implementation.
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1.4236 minimist 0.1.0

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1.4237 minimalistic-assert 1.0.1

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1.4241 x11-common 7.7+22

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Source Package: xorg
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1.4242 define-property 0.2.5
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1.4243 node-slash 3.0.0-1

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1.4244 @turf/boolean-contains 6.0.1

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1.4245 react-color 2.14.1

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1.4246 alsa-lib 1.2.4-1.1

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1.4249 vega-schema-url-parser 1.0.0

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procfs provides functions to retrieve system, kernel and process
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Eclipse

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

------

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with
classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

------

OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

------

MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

------

Mortbay

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1.4258 protobuf v1.26.0

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1.4260 e2fsprogs 1.43.4~WIP.2017.01.30 1

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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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Theodore Ts'o
23-June-2007

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This package was added to the e2fsprogs debian source package by
Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

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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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# 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::$(BSDLIB)

$(BSDLIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSDLIB) $(LDFLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BSDLIB) .
$(RM) -f ../$(BSDLIB)
(cd ../$(LN) $(LINK_BUILD_FLAGS) \ `echo $(my_dir) | sed -e 's;lib/;;'"/$(BSDLIB) $(BSDLIB))

install-shlibs install:: $(BSDLIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSDLIB)"
@$(INSTALL_PROGRAM) $(BSDLIB) \ $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSDLIB)
@ -$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSDLIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSDLIB)
$(RM) -f ../$(BSDLIB)

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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/**
 * Gets the optional <code>versionIdMarker</code> parameter indicating where in the
 * sorted list of all versions in the specified bucket to begin returning
 * results. Results are always ordered first lexicographically (i.e.
 * alphabetically) and then from most recent version to least recent
 * version.
 * <p>
 * A key marker must be specified when specifying a <code>versionIdMarker</code>.
 * Results begin immediately after the version with the specified key and
 * version ID.
 * </p>
 *
 * @return The optional <code>versionIdMarker</code> parameter indicating where in the
 *         sorted list of all versions in the specified bucket to begin
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 * @see ListVersionsRequest#setVersionIdMarker(String)
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  jar/com/amazonaws/services/s3/model/SelectRecordsInputStream.java
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  jar/com/amazonaws/services/s3/model/RequestProgress.java
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  jar/com/amazonaws/services/s3/model/SelectObjectContentEventVisitor.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-
  jar/com/amazonaws/services/s3/model/SelectObjectContentEventException.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-
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* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/model/MultiFactorAuthentication.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/model/SetBucketTaggingConfigurationRequest.java
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* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-
  jar/com/amazonaws/services/s3/waiters/AmazonS3Waiters.java
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  jar/com/amazonaws/services/s3/transfer/internal/MultipleFileTransfer.java
  */

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* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1.jar/com/amazonaws/services/s3/internal/eventstreaming/HeaderValue.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1.jar/com/amazonaws/services/s3/internal/eventstreaming/Checksums.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1.jar/com/amazonaws/services/s3/internal/eventstreaming/Prelude.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1.jar/com/amazonaws/services/s3/internal/eventstreaming/Message.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1.jar/com/amazonaws/services/s3/internal/eventstreaming/Header.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1.jar/com/amazonaws/services/s3/internal/eventstreaming/Utils.java
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* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/internal/RepeatableFileInputStream.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/model/BucketPolicy.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/model/BucketNotificationConfiguration.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/model/transform/XmlResponsesSaxParser.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/model/Grantee.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/model/CanonicalGrantee.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/model/Owner.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/internal/RepeatableInputStream.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/model/BucketTaggingConfiguration.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/internal/ServiceUtils.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/model/BucketLoggingConfiguration.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/model/RequestPaymentConfiguration.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/model/Grant.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/model/AccessControlList.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/internal/RestUtils.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/internal/Mimetypes.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/internal/S3StringResponseHandler.java
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* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1.jar/com/amazonaws/services/s3/model/EmailAddressGrantee.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1.jar/com/amazonaws/services/s3/model/Bucket.java

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  jar/com/amazonaws/services/s3/waiters/HeadBucketFunction.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-
  jar/com/amazonaws/services/s3/waiters/HeadObjectFunction.java
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  jar/com/amazonaws/services/s3/model/S3ObjectIdBuilder.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-
  jar/com/amazonaws/services/s3/internal/S3DirectSpi.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-
  jar/com/amazonaws/services/s3/model/S3ObjectId.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-
  jar/com/amazonaws/services/s3/model/ExtraMaterialsDescription.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-
  jar/com/amazonaws/services/s3/transfer/MultipleFileTransferStateChangeListener.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-
  jar/com/amazonaws/services/s3/KeyWrapException.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-
  jar/com/amazonaws/services/s3/transfer/internal/S3SyncProgressListener.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-
  jar/com/amazonaws/services/s3/transfer/internal/S3DirectSpi.java
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* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/transfer/Download.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/transfer/internal/DownloadImpl.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/iterable/S3Versions.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/iterable/S3Objects.java

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* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/model/ListBucketAnalyticsConfigurationsResult.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/model/metrics/MetricsPredicateVisitor.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/model/OwnerOverride.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/model/analytics/AnalyticsFilter.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/model/analytics/AnalyticsFilterPredicate.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/model/metrics/MetricsNAryOperator.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/model/lifecycle/LifecyclePredicateVisitor.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/model/lifecycle/LifecycleTagPredicate.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/model/inventory/InventoryFilterPredicate.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/model/inventory/InventoryIncludedObjectVersions.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/model/DeleteBucketMetricsConfigurationResult.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/model/SetBucketAnalyticsConfigurationRequest.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/model/lifecycle/LifecycleNAryOperator.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/model/metrics/MetricsConfiguration.java
This appendix summarizes the current crypto related meta information associated with an S3 object encrypted using SDK client-side encryption. In SDK's terminology, these meta information are classified as "user metadata". In general, the meta information is just a map of key/value pairs. Physically they are persisted either as metadata of the encrypted S3 object, or as a separate S3 object called an "instruction file" (which is just a JSON file in plaintext.) For all references to the Cipher Algorithm Names, Modes, and Padding, such as \texttt{"AES/CBC/PKCS5Padding"}, please refer to Oracle's Java Cryptography Architecture Standard Algorithm Name Documentation for more details.

* <h2>S3 metadata vs instruction file</h2>

* <p>
* Note when a key/value pair is stored as "user metadata" as part of the S3
  * metadata, the SDK always adds an additional prefix of `<b>x-amz-meta-</b>` to
  * the key name. In contrast, the SDK doesn’t add any prefix when the key names
  * are stored in an instruction file. (The reason has to do with how the http
  * headers are handled.)

* For example, `<b>x-amz-key</b>` would get stored as `<b>x-amz-meta-x-amz-key</b>`
  * in S3 metadata. In contrast, `<b>x-amz-key</b>` would simply be stored as is
  * (ie without the prefix) in an instruction file.

* All the keys described below are considered "user metadata" by the SDK.

* `<h2>S3 v1 crypto meta information (supported by all SDK's)</h2>`
  *
  * `<p>`
  * For non-KMS client side encryption, this v1 crypto meta information is used
  * to support the "Encryption Only" crypto mode (which involves the use of
  * `<code>AES/CBC/PKCS5Padding</code>` for content encryption, and
  * `<code>AES/ECB</code>` for encrypting the one-time randomly generated data
  * key). For KMS client-side encryption, the v2 crypto meta information is used.
  * `<p>`
  * `<table border=1>`
  * `<tr align="left">`
  * `<th><b>x-amz-key</b></th>`
  * `<th>Content encrypting key (cek) in encrypted form, base64 encoded. The cek
  * is randomly generated per S3 object, and is always an AES 256-bit key. The
  * corresponding cipher is always "AES/CBC/PKCS5Padding".</th>`
  * `</tr>`
  * `<tr>`
  * `<td width="200"><b>x-amz-iv</b></td>`
  * `<td>Randomly generated IV (per S3 object), base64 encoded</td>`
  * `</tr>`
  * `<tr>`
  * `<td><b>x-amz-matdesc </b></td>`
  * `<td>Customer provided material description in JSON (UTF8) format. Used to
  * identify the client-side master key (ie used to encrypt/wrap the generated
  * content encrypting key).</td>`
  * `</tr>`
  * `<tr>`
  * `<td><b>x-amz-unencrypted-content-length</b></td>`
  * `<td>Unencrypted content length (optional but should be specified whenever
  * possible).</td>`
  * `</tr>`
  * `</table>`

```
This v2 crypto meta information is used to support both authenticated encryption (which involves the use of `AES/GCM/NoPadding` for content encryption, and key wrapping for the one-time randomly generated data key), and KMS client-side encryption (which can either be encryption-only or authenticated encryption.)

<table>
<thead>
<tr>
<th><strong>key</strong></th>
<th><strong>description</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>x-amz-key-v2</strong></td>
<td>CEK in key wrapped form. This is necessary so that the S3 encryption client that doesn't recognize the v2 format will not mistakenly decrypt S3 object encrypted in v2 format.</td>
</tr>
<tr>
<td><strong>x-amz-iv</strong></td>
<td>Randomly generated IV (per S3 object), base64 encoded. (Same as v1.)</td>
</tr>
<tr>
<td><strong>x-amz-matdesc</strong></td>
<td>Customer provided material description in JSON format. (Same as v1). Used to identify the client-side master key.</td>
</tr>
<tr>
<td><strong>x-amz-unencrypted-content-length</strong></td>
<td>Unencrypted content length. (optional but should be specified whenever possible. Same as v1.)</td>
</tr>
<tr>
<td><strong>x-amz-wrap-alg</strong></td>
<td>Key wrapping algorithm used.</td>
</tr>
</tbody>
</table>

Supported values:
- `AESWrap`, "RSA/ECB/OAEPWithSHA-256AndMGF1Padding", "kms"
- No standard key wrapping is used if this meta information is absent
- Always set to "kms" if KMS is used for client-side encryption
<table>
<thead>
<tr>
<th><strong>x-amz-cek-alg</strong></th>
<th>Content encryption algorithm used.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supported values:</td>
<td></td>
</tr>
<tr>
<td>&quot;AES/GCM/NoPadding&quot;, &quot;AES/CBC/PKCS5Padding&quot;</td>
<td>Default to &quot;AES/CBC/PKCS5Padding&quot; if this key is absent.</td>
</tr>
<tr>
<td><strong>x-amz-tag-len</strong></td>
<td>Tag length (in bits) when AEAD is in use.</td>
</tr>
<tr>
<td>Only applicable if AEAD is in use.</td>
<td>Default value: &quot;128&quot;</td>
</tr>
<tr>
<td><strong>x-amz-meta-x-amz-key-v2:</strong></td>
<td>Sample S3 crypto meta information for KMS client-side encryption</td>
</tr>
</tbody>
</table>

**KMS Integration for client-side encryption**

- All client-side KMS protected S3 objects are stored in v2 crypto meta information format. However, the key wrapping algorithm, \(x\)-amz-wrap-alg is always set to \"kms\".
- The KMS Customer Master Key ID is currently stored as part of the material description, \(x\)-amz-matdesc, under the key-name \"kms_cmk_id\".

**Sample S3 crypto meta information for KMS client-side encryption**

```
x-amz-meta-x-amz-key-v2:
CiAJ2GqwJRnt4izjwoalC2YdNRNSMEmI7G5rw3pEI+J8hKmAQEBAwB4CdhqyKSU7zIs7o8KGPQtmHTUTUujBLJRua86CPIfiAAAB+MHwGCSqGSIb3DQEHBqBvMG0CAQAwaYJKoZIhvNAQcBMB4GCWCWGSADF1AwQBLjARBAYD0rzN3KHiWixDVeCARCAOwhZ6xA8rob3Z0mNx3uKFieHKVylCPkhlv6G1oVLn86mLcZJNpTXTwMkKkDocVj1zGjZTuFf5OH
x-amz-iv: xqOHa+M6y0UogwG5SHJM3Q==
x-amz-unencrypted-content-length: 32768
x-amz-cek-alg: AES/CBC/PKCS5Padding
```
* x-amz-wrap-alg: kms
* x-amz-matdesc: {"kms_cmk_id":"d3fd2273-4ca0-4da5-b1c2-c89742ec6a26"}
* </pre>
* 
* <h5>CryptoMode: Authenticated Encryption</h5>
* 
* <pre>
* x-amz-key-v2:
CiAJ2GqwpJRnt4izujwoalC2YdNRNSMEslG5rw3pEI+J8hKnAQEBAwB4CdhqsKSUZ7eIs7o8KGpQtmHTUTUj
BLJRua8N6RPCiFIAAAAB+MHwGCSqGSIb3DQEHBqBvMG0CAQAwaAYJKoZIhvcNAQcBMB4GCWCGSAFl
AwQBLjARBAYrFVy4h6QmwcPK1ECARCAO1VzoM6KxA9DHxYNMm/BEbbjle2vLA7IY7f9OkUoSqdxgKxp
NID9QaL/7928m1Djld0bjpHefjm89C
* x-amz-iv: VZBksyij6DhrUMye
* x-amz-unencrypted-content-length: 32768
* x-amz-cek-alg: AES/GCM/NoPadding
* x-amz-wrap-alg: kms
* x-amz-matdesc: {"kms_cmk_id":"d3fd2273-4ca0-4da5-b1c2-c89742ec6a26"}
* x-amz-tag-len: 128
* </pre>
* 
* <h2>S3 metadata of an instruction file</h2>
* 
* The following key is always included as part of the S3 metadata of the
* instruction file (which is just an S3 object). Since the SDK treats this key
* as "user metadata", the key name is always prefixed with <b>x-amz-meta-</b>
* when physically stored.
* 
* <p>
* <table border=1>
* <tr aligned="left">
* <th>key</th>
* <th>description</th>
* </tr>
* <tr>
* <td width="200"><b>x-amz-crypto-instr-file</b></td>
* <td>the presence of this key is used to indicate this S3 object is an
* instruction file (of an associated client-side encrypted S3 object).</td>
* </tr>
* </table>
* 
* Found in path(s):
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-
* jar/com/amazonaws/services/s3/package-info.java
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* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-
  jar/com/amazonaws/services/s3/model/AbortIncompleteMultipartUpload.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-
  jar/com/amazonaws/services/s3/model/ObjectTagging.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-
  jar/com/amazonaws/services/s3/model/transform/ObjectTaggingXmlFactory.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-
  jar/com/amazonaws/services/s3/model/DeleteObjectTaggingRequest.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-
  jar/com/amazonaws/services/s3/model/GetObjectTaggingResult.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-
  jar/com/amazonaws/services/s3/model/SetObjectTaggingRequest.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-
  jar/com/amazonaws/services/s3/model/S3RequesterChargedHeaderHandler.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-
  jar/com/amazonaws/services/s3/model/S3RequesterChargedResult.java

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  jar/com/amazonaws/services/s3/internal/S3RequesterChargedHeaderHandler.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-
  jar/com/amazonaws/services/s3/model/ObjectTagging.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-
  jar/com/amazonaws/services/s3/model/transform/ObjectTaggingXmlFactory.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-
  jar/com/amazonaws/services/s3/model/DeleteObjectTaggingRequest.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-
  jar/com/amazonaws/services/s3/model/GetObjectTaggingResult.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-
  jar/com/amazonaws/services/s3/model/SetObjectTaggingRequest.java
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 * materials, such as simply providing static material that doesn't change,
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 */

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* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/model/EncryptionMaterialsProvider.java
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// The Amazon S3 DevPay token header is a special exception and can be safely moved

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  jar/com/amazonaws/services/s3/AmazonS3Client.java

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  jar/com/amazonaws/services/s3/model/GetBucketEncryptionRequest.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-
  jar/com/amazonaws/services/s3/model/ServerSideEncryptionRule.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-
  jar/com/amazonaws/services/s3/model/GetBucketEncryptionResult.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-
  jar/com/amazonaws/services/s3/model/InventoryEncryption.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-
  jar/com/amazonaws/services/s3/model/SseKmsEncryptedObjects.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-
  jar/com/amazonaws/services/s3/model/GetBucketEncryptionRequest.java
1.4263 libcap 2.22 11.el7

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* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

-----------------------------------------------------------------------
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1.4280 spring-boot-test-autoconfigure 2.1.4

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1.4281 @npmcli/map-workspaces 1.0.1

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1.4284 @npmcli/node-gyp 1.0.1

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1.4291 spdylay 1.4.0

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1.4306 tcp-wrappers 7.6.q-31
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### 1.4321 httpcore-nio 4.4.5

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```html
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="utf-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1">
```

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<body>
<!-- Navigation -->
<header>
<nav class="navbar navbar-default navbar-fixed-top">
<div class="container">
<div class="navbar-header">
<button class="navbar-toggle" type="button" data-toggle="collapse" data-target="#mainnav-collapse">
</button>
</div>
</header>
</body>
/* The following code is added by mdx_elementid.py
It was originally lifted from http://subversion.apache.org/style/site.css */

* Hide class="elementid-permalink", except when an enclosing heading
* has the :hover property.
*/

.headerlink, .elementid-permalink {
  visibility: hidden;
}

h2:hover > .headerlink, h3:hover > .headerlink, h1:hover > .headerlink, h6:hover > .headerlink, h4:hover > .headerlink, h5:hover > .headerlink, dt:hover > .elementid-permalink { visibility: visible }


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package cloud

import (  
    "bytes"  
    "io/ioutil"  
    "os"  
    "path/filepath"  
    "strings"  
    "testing"  
)

var sentinels = []string{  
    "Copyright",
    "Google",
    "Licensed under the Apache License, Version 2.0 (the "License");",
}

func TestLicense(t *testing.T) {  
t.Parallel()
    err := filepath.Walk(".", func(path string, fi os.FileInfo, err error) error {  
        if err != nil {  
            return err  
        }
        if ext := filepath.Ext(path); ext != ".go" && ext != ".proto" {  
            return nil  
        }
        if strings.HasSuffix(path, ".pb.go") {  
            // .pb.go files are generated from the proto files.
            // .proto files must have license headers.
            return
        }
    })
    if err != nil {  
        t.Errorf("%v");
    }
}

return nil
}
if path == "bigtable/cmd/cbt/cbtdoc.go" {
  // Automatically generated.
  return nil
}
if path == "cmd/go-cloud-debug-agent/internal/debug/elf/elf.go" {
  // BSD license, which is compatible, is embedded in the file.
  return nil
}
src, err := ioutil.ReadFile(path)
if err != nil {
  return nil
}
src = src[:300] // Ensure all of the sentinel values are at the top of the file.

// Find license
for _, sentinel := range sentinels {
  if !bytes.Contains(src, []byte(sentinel)) {
    t.Errorf("%v: license header not present. want %q", path, sentinel)
    return nil
  }
}

return nil
}
if err != nil {
  t.Fatal(err)
}

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1.4325 @hapi/bell 10.1.1

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1.4326 e2fsprogs 1.46.2-2

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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 -hshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJ))
$MV pic/$BSD_LIB
$RM -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) `echo $(my_dir) | sed -e 's;lib/;;'"/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) $(DESTDIR)$BSDLIB_INSTALL_DIR/$(BSD_LIB)
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip:: install-shlibs

uninstall-shlibs uninstall::
$RM -f $(DESTDIR)/$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$RM -rf pic
$RM -f $(BSD_LIB)
$(RM) -f ../$BSD_LIB

This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

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Index: tdbsa/tdb.c

--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
*/
/*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
-
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Theodore Ts'o
23-June-2007

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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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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
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lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
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- kadmin/server/ipropd_svc.c
- lib/kdb/prop.x
- lib/kdb/kdb_convert.c
- lib/kdb/kdb_log.c
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* /opt/cola/permits/1145449558_1616156160.84/0/netty-buffer-4-1-59-final-sources-1-jar/io/netty/buffer/UnpooledUnsafeNoCleanerDirectByteBuf.java
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1.4347 unzip 6.0-26

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version 1.2.11, January 15th, 2017

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1.4352 value-equal 0.4.0

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1.4354 jls-grok 0.11.5

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1.4358 logstash-filter-syslog_pri 3.0.5

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1.4359 docker 19.03.9-3.el7
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Protocol Buffers for Go with Gadgets

Go support for Protocol Buffers - Google's data interchange format

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1.4361 @babel/plugin-transform-dotall-regex

7.2.0

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# spdx-license-ids

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## Installation

[Download JSON directly](https://raw.githubusercontent.com/shinnn/spdx-license-ids/master/index.json), or [use](https://docs.npmjs.com/cli/install) [npm](https://docs.npmjs.com/about-npm):

```bash
npm install spdx-license-ids
```

## Node.js API

### require('spdx-license-ids')

Type: `string[]`

All license IDs except for the currently deprecated ones.

```javascript
const ids = require('spdx-license-ids');
//=> ['0BSD', 'AAL', 'ADSL', 'AFL-1.1', 'AFL-1.2', 'AFL-2.0', 'AFL-2.1', 'AFL-3.0', 'AGPL-1.0-only', ...]

ids.includes('BSD-3-Clause'); //=> true
ids.includes('CC-BY-1.0'); //=> true

ids.includes('GPL-3.0'); //=> false
```

### require('spdx-license-ids/deprecated')

Type: `string[]`

---

Open Source Used In MSX Platform Infrastructure 4.1.0 35741
Deprecated license IDs.

```javascript
const deprecatedIds = require('spdx-license-ids/deprecated');
//=> ['AGPL-1.0', 'AGPL-3.0', 'GFDL-1.1', 'GFDL-1.2', 'GFDL-1.3', 'GPL-1.0', 'GPL-2.0', ...

deprecatedIds.includes('BSD-3-Clause'); //=> false

deprecatedIds.includes('CC-BY-1.0'); //=> false

deprecatedIds.includes('GPL-3.0'); //=> true
```
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wcwidth.js: JavaScript Porting of Markus Kuhn's wcwidth() Implementation
=======================================================================
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validate-npm-package-license

Give me a string and I'll tell you if it's a valid npm package license string.

```javascript
var valid = require('validate-npm-package-license');
```
SPDX license identifiers are valid license strings:

```javascript

var assert = require('assert');
var validSPDXExpression = {
  validForNewPackages: true,
  validForOldPackages: true,
  spdx: true
};

assert.deepEqual(valid('MIT'), validSPDXExpression);
assert.deepEqual(valid('BSD-2-Clause'), validSPDXExpression);
assert.deepEqual(valid('Apache-2.0'), validSPDXExpression);
assert.deepEqual(valid('ISC'), validSPDXExpression);
```

The function will return a warning and suggestion for nearly-correct license identifiers:

```javascript

assert.deepEqual(valid('Apache 2.0'),
{
  validForOldPackages: false,
  validForNewPackages: false,
  warnings: [
    'license should be ' +
    'a valid SPDX license expression (without "LicenseRef"), ' +
    '"UNLICENSED", or ' +
    '"SEE LICENSE IN <filename>"'.
  ',
  license is similar to the valid expression "Apache-2.0"
  ]
};
```

SPDX expressions are valid, too ...

```javascript

// Simple SPDX license expression for dual licensing
assert.deepEqual(valid('GPL-3.0-only OR BSD-2-Clause'),
validSPDXExpression
);
```

... except if they contain 'LicenseRef':

```javascript
```
```javascript
var warningAboutLicenseRef = {
validForOldPackages: false,
validForNewPackages: false,
spdx: true,
warnings: [
'license should be ' +
'a valid SPDX license expression (without "LicenseRef"), ' +
'"UNLICENSED", or ' +
'"SEE LICENSE IN <filename>"',
]
};

assert.deepEqual(
valid('LicenseRef-Made-Up'),
warningAboutLicenseRef
);

assert.deepEqual(
valid('(MIT OR LicenseRef-Made-Up)'),
warningAboutLicenseRef
);
```

If you can't describe your licensing terms with standardized SPDX identifiers, put the terms in a file in the package and point users there:

```javascript
assert.deepEqual(
valid('SEE LICENSE IN LICENSE.txt'),
{
validForNewPackages: true,
validForOldPackages: true,
inFile: 'LICENSE.txt'
}
);
```

If there aren't any licensing terms, use `UNLICENSED`:

```javascript
assert.deepEqual(
valid('SEE LICENSE IN license.md'),
{
validForNewPackages: true,
validForOldPackages: true,
inFile: 'license.md'
}
);
```
```javascript
var unlicensed = {
validForNewPackages: true,
validForOldPackages: true,
unlicensed: true
};
assert.deepEqual(valid('UNLICENSED'), unlicensed);
assert.deepEqual(valid('UNLICENCED'), unlicensed);
```

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1.4379 signal-exit 3.0.3

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1.4381 e2fsprogs 1.45.5-r0
1.4381.1 Available under license:
This is the Debian GNU/Linux prepackaged version of the static EXT2 file system consistency checker (e2fsck.static). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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#
# This is a Makefile stub which handles the creation of BSD shared
# libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$(BSD_LIB)

$(BSD_LIB): $(OBJ)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJ))
$(MV) pic/$(BSD_LIB) ./
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) \ `echo $(my_dir) | sed -e 's;lib/;;'"/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \ $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip:: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)

This package was added to the e2fsprogs debian source package by
Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

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+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
 */
 /*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
- 
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Theodore Ts'o
23-June-2007

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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003.

It is part of the main e2fsprogs distribution, which can be found at:

http://sourceforge.net/projects/e2fsprogs

Upstream Author: Theodore Ts'o <tytso@mit.edu>

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This is the Debian GNU/Linux prepackaged version of the ss command-line interface parsing library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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Gadi Oxman, August 1995

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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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1.4397 x-time-rate v0.0.0-20191024005414

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1.4398 pflag v1.0.5

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1.4400 apr 1.6.3

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1.4402 dom-walk 0.1.1

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1.4406 @hapi/formula 1.2.0

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* /opt/ws_local/PERMITS_SQL/1022263377_1596468815.48/0/region-map- zip/region_map/public/choropleth_layer.js
1.4423 node-npm-bundled 1.1.1-1

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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
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M. Welsh, 6 July 1996

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**1.4446 graphql-extensions 0.0.10**

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1.4448 slf4j-log4j 1.7.16

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1.4449 logstash-output-file 4.2.6

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1.4461 styled-components 3.3.3
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1.4462 go-jmespath v0.4.0

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1.4463 python 2.7.18-9

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A. HISTORY OF THE SOFTWARE
==========================

Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python’s
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations, which became
Zope Corporation. In 2001, the Python Software Foundation (PSF, see
https://www.python.org/psf/) was formed, a non-profit organization
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All Python releases are Open Source (see http://www.opensource.org for
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- text -

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the documentation, and info on specific files will go into an AUTHORS
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++++++++++++++++
Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for
gdb-specific debug information and the 68k series machines, most of
the preprocessing pass, and extensive changes in messages.c,
input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various
enhancements and many bug fixes, including merging support for several
processors, breaking gas up to handle multiple object file format
backends (including heavy rewrite, testing, an integration of the coff
and b.out backends), adding configuration including heavy testing and
verification of cross assemblers and file splits and renaming,
converted gas to strictly ansi C including full prototypes, added
support for m680[34]0 & cpu32, considerable work on i960 including a
coff port (including considerable amounts of reverse engineering), a
sparc opcode file rewrite, decstation, rs6000, and hp300hpux host
ports, updated "know" assertions and made them work, much other
reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of
the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan.
Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of
Buffalo University and Torbjorn Granlund of the Swedish Institute of
Computer Science.

Keith Knowles at the Open Software Foundation wrote the original MIPS
back end (tc-mips.c, tc-mips.h), and contributed Rose format support
that hasn't been merged in yet. Ralph Campbell worked with the MIPS
code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors
(tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format
(obj-ieee), was written by Steve Chamberlain of Cygnus Solutions.
Steve also modified the COFF back end (obj-coffbfd) to use BFD for
some low-level operations, for use with the Hitachi, 29k and Zilog
targets.

John Gilmore built the AMD 29000 support, added .include support, and
simplified the configuration of which versions accept which
pseudo-ops. He updated the 68k machine description so that Motorola’s opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and
want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

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1.4475 @babel/plugin-syntax-jsx 7.0.0

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1.4476 openjdk 1.8.0u212

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1.4480 escape-string-regexp 4.0.0

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1.4481 subtext 6.0.12

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1.4482 etcd v3.5.0-beta.3

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1.4483 node-concat-map 0.0.1-2

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1.4484 d3-request 1.0.6

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1.4490 go-bindata-assetfs v1.0.1-0.20200509193318-234c15e7648f

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1.4493 libasounddata 1.2.4-1.1

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1.4494 shadow 4.5-1.1

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1.4506 deprecated-decorator 0.1.6

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1.4507 percolator-client 6.8.16

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1.4508 http-form-data 1.0.1

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1.4509 lz-string 1.4.4

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1.4510 icss-utils 2.1.0

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1.4511 jaxb-api 2.2.2-promoted-b99

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1.4519 node-colors 1.4.0-1

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 */

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1.4521 form-data 3.0.0

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1.4522 properties v1.8.1

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  jar/org/slf4j/impl/StaticLoggerBinder.java
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  jar/org/slf4j/impl/SimpleLoggerFactory.java
* /opt/cola/permits/1136290122_1613729620.49/0/slf4j-simple-1-7-25-sources-2-
  jar/org/slf4j/impl/StaticMarkerBinder.java
* /opt/cola/permits/1136290122_1613729620.49/0/slf4j-simple-1-7-25-sources-2-
  jar/org/slf4j/impl/StaticMDCBinder.java
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*/

Found in path(s):
* /opt/cola/permits/1136290122_1613762049/0/slf4j-simple-1.7.25-sources-2-
  jar/org/slf4j/impl/SimpleLogger.java

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1.4528 logstash-input-http_poller 4.0.5

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1.4529 types-json-schema 7.0.6

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1.4531 brfs 2.0.2

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1.4544 libxdmcp 1.1.3-r0

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pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=6
pkgdesc="A library for high-performance 2D graphics"
url="https://www.levien.com/libart/
arch="all"
options="!check" # No test suite.
license="LGPL-2.0-or-later"
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2"

builddir="Sscribed/libart_lgpl-$pkgver"

prepare() {
  update_config_sub
  default_prepare
}

build() {
  ./configure \
  --build=$CBUILD \
  --host=$CHOST \
  --prefix=/usr
  make
}

package() {
  make DESTDIR="$pkgdir" install
}

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725b7ba28f7e76654309e001aee9bace727b5b4c8589405256a3c020 libart_lgpl-2.3.21.tar.bz2"

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pkgname=py3-flake8-copyright
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# Contributor: Valery Kartel <valery.kartel@gmail.com>
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pkgname=perl-bsd-resource
_pkgreal=BSD-Resource
pkgver=1.2911
pkgrel=4
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource"
arch="all"
license="GPL-1.0-or-later OR Artistic-1.0-Perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/$_pkgreal-$pkgver.tar.gz"

builddir="$srcdir/$_pkgreal-$pkgver"

prepare() {
    default_prepare
export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}

build() {
export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
make
}

check() {
make test
}

package() {
make DESTDIR="$pkgdir" install
find "$pkgdir" \( -name perllocal.pod -o -name .packlist \) -delete
}

sha512sums="d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedad53bd15fb6561a3d0f828df16
dfa5417f663b8065baa65f4f3e16dc9262728b3b885 BSD-Resource-1.2911.tar.gz"

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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="0950540df050fb7f7ce92f5ad1bf756725e233d701f0c5b2fc5bfa85dae65bba3400de7fd78b4b1d8a41deab4e461a5f1018f4869d9f3e0428a5a64c32c01c60 license-list-data-3.8.tar.gz"
mini_sendmail - accept email on behalf of real sendmail

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1.4546 logstash-input-dead_letter_queue

1.1.5

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1.4551 hash-base 2.0.2

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1.4558 python 2.7.18-3
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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. Breuntrup <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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/**
 * Creates a new JSRInliner. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * { @link #JSRInlinerAdapter(int, MethodVisitor, int, String, String, String, String[])}
 * version.
 *
 * @param mv
 * the <code>MethodVisitor</code> to send the resulting inlined
 * method code to (use <code>null</code> for none).
 * @param access
 * the method's access flags (see { @link Opcodes}). This
 * parameter also indicates if the method is synthetic and/or
 * deprecated.
 * @param name
 * the method's name.
 * @param desc
 * the method's descriptor (see { @link Type}).
 * @param signature
 * the method's signature. May be <tt>null</tt>.
 * @param exceptions
 * the internal names of the method's exception classes (see
 * { @link Type#getName()}). May be <tt>null</tt>.
 * @throws IllegalStateException
 * If a subclass calls this constructor.
 */
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/**
 * Constructs a new {@link Textifier}. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the {@link #Textifier(int)}
 * version.
 *
 * @throws IllegalStateException
 *             If a subclass calls this constructor.
 */

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/**
 * Creates a new GeneratorAdapter. <i>Subclasses must not use this constructor</i>. Instead, they must use the [GeneratorAdapter(int, MethodVisitor, int, String, String)]
 * version.
 *
 * @param mv the method visitor to which this adapter delegates calls.
 * @param access the method's access flags (see [Opcodes]).
 * @param name the method's name.
 * @param desc the method's descriptor (see [Type]).
 * @throws IllegalStateException If a subclass calls this constructor.
 */

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/**
 * Creates a new AnalyzerAdapter. <i>Subclasses must not use this
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 * AnalyzerAdapter(int, String, int, String, String, MethodVisitor)
 * version.
 *
 * @param owner
 * the owner's class name.
 * @param access
 * the method's access flags (see Opcodes).
 * @param name
 * the method's name.
 * @param desc
 * the method's descriptor (see Type).
 * @param mv
 * the method visitor to which this adapter delegates calls. May
 * be <tt>null</tt>.
 * @throws IllegalStateException
 * If a subclass calls this constructor.
 */

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/**
 * Constructs a new {@link LocalVariableAnnotationNode}. <i>Subclasses must
 * not use this constructor</i>. Instead, they must use the
 * {LocalVariableAnnotationNode(int, TypePath, LabelNode[], LabelNode[], int[], String)}
 * version.
 * @param typeRef
 * a reference to the annotated type. See {TypeReference}.
 * @param typePath
 * the path to the annotated type argument, wildcard bound, array
 * element type, or static inner type within 'typeRef'. May be
 * <tt>null</tt> if the annotation targets 'typeRef' as a whole.
 * @param start
 * the first instructions corresponding to the continuous ranges
 * that make the scope of this local variable (inclusive).
 * @param end
 * the last instructions corresponding to the continuous ranges
 * that make the scope of this local variable (exclusive). This
 * array must have the same size as the 'start' array.
 * @param index
 * the local variable's index in each range. This array must have
 * the same size as the 'start' array.
* @param desc
* the class descriptor of the annotation class.
*/

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 */
/**
 * Constructs a new {@link ClassNode}. <i>Subclasses must not use this
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 * version.
 *
 * @throws IllegalStateException
 *             If a subclass calls this constructor.
 */

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</div>
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Found in path(s):
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/compiler/NoFieldException.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/InnerClassesAttribute.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/analysis/Subroutine.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/runtime/Cflow.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/annotation/AnnotationImpl.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/utility/FactoryHelper.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/compiler/Transformer.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/SyntheticAttribute.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/tools/reflect/Reflection.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/expr/Instanceof.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/utility/SecurityActions.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/ByteStream.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/compiler/SyntaxError.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/tools/reflect/CannotReflectException.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/compiler/TransformCall.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/ct/CtNewWrappedMethod.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/ClassFilePrinter.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/compiler/ast/AssignExpr.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/ct/Array.java
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* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/compiler/Javac.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/SerialVersionUID.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/MethodInfo.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/Descriptor.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/MethodInfo.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/tools/reflect/Metaobject.java
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* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/compiler/ast/CallExpr.java
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* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/AnnotationDefaultAttribute.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/convert/TransformBefore.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/compiler/JvstTypeChecker.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/LoaderClassPath.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/ParameterAnnotationsAttribute.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/compiler/ast/Variable.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/Mnemonic.java
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* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/compiler/ast/ArrayInit.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/tools/reflect/Loader.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/convert/TransformFieldAccess.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/DuplicateMemberException.java

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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
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1.4599 node-puka 1.0.1+dfsg-2

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1.4600 babel-plugin-transform-es2015-literals

6.22.0

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1.4601 make-fetch-happen 8.0.13

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1.4602 component-emitter 1.2.1

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1.4603 js-tokens 3.0.2
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1.4606 errors 0.9.1

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1.4607 setprototypeof 1.1.1

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package RESOURCE

import (
    "github.com/gophercloud/gophercloud"
    "github.com/gophercloud/gophercloud/pagination"
)

// RESOURCE represents...
type Resource struct {
}

type commonResult struct {
    gophercloud.Result
}

// GetResult is the response from a Get operation. Call its Extract method
// to interpret it as a RESOURCE.
type GetResult struct {
    commonResult
}

// CreateResult is the response from a Create operation. Call its Extract method
// to interpret it as a RESOURCE.
type CreateResult struct {
    commonResult
}

// DeleteResult is the response from a Delete operation. Call its ExtractErr to
// determine if the request succeeded or failed.
type DeleteResult struct {
    gophercloud.ErrResult
}

// UpdateResult is the result of an Update request. Call its Extract method to
// interpret it as a RESOURCE.
type UpdateResult struct {
    commonResult
}

// ResourcePage is a single page of RESOURCE results.
type ResourcePage struct {
    pagination.LinkedPageBase
}
// IsEmpty determines whether or not a page of RESOURCES contains any results.
func (r ResourcePage) IsEmpty() (bool, error) {
resources, err := ExtractResources(r)
return len(resources) == 0, err
}

// NextPageURL extracts the "next" link from the links section of the result.
func (r ResourcePage) NextPageURL() (string, error) {
var s struct {
    Links struct {
        Next string `json:"next"
        Previous string `json:"previous"
    } `json:"links"
}
err := r.ExtractInto(&s)
if err != nil {
    return "", err
}
return s.Links.Next, err
}

// ExtractResources returns a slice of Resources contained in a single page of
// results.
func ExtractResources(r pagination.Page) ([]Resource, error) {
var s struct {
    Resources []Resource `json:"resources"
}
err := (r.(ResourcePage)).ExtractInto(&s)
return s.Resources, err
}

// Extract interprets any commonResult as a Resource.
func (r commonResult) Extract() (*Resource, error) {
var s struct {
    Resource *Resource `json:"resource"
}
err := r.ExtractInto(&s)
return s.Resource, err
}

Contributor Tutorial
====================

This tutorial is to help new contributors become familiar with the processes
used by the Gophercloud team when adding a new feature or fixing a bug.

While we have a defined process for working on Gophercloud, we're very mindful
that everyone is new to this in the beginning. Please reach out for help or ask
for clarification if needed. No question is ever "dumb" or not worth our time
answering.

To begin, go to [Step 1](step-01-introduction.md).

**Step 5: Writing the Code**

At this point, you should have:

- [x] Identified a feature or bug fix
- [x] Opened an Issue about it
- [x] Located the project's service code which validates the feature or fix
- [x] Have an OpenStack environment available to test with

Now it's time to write the actual code! We recommend reading over the [CONTRIBUTING](/.github/CONTRIBUTING.md) guide again as a refresh. Notably the [Getting Started](/.github/CONTRIBUTING.md#getting-started) section will help you set up a `git` repository correctly.

We encourage you to browse the existing Gophercloud code to find examples of similar implementations. It would be a _very_ rare occurrence for you to be implementing something that hasn't already been done.

Use the existing packages as templates and mirror the style, naming, and logic.

**Types of Pull Requests**

The amount of changes you plan to make will determine how much code you should submit as Pull Requests.

### A Single Bug Fix

If you're implementing a single bug fix, then creating one `git` branch and submitting one Pull Request is fine.

### Adding a Single Field

If you're adding a single field, then a single Pull Request is also fine. See [#662](https://github.com/gophercloud/gophercloud/pull/662) as an example of this.

If you plan to add more than one missing field, you will need to open a Pull Request for _each_ field.

### Adding a Single API Call

Single API calls can also be submitted as a single Pull Request. See
Open Source Used In MSX Platform Infrastructure 4.1.0 36817

[#722](https://github.com/gophercloud/gophercloud/pull/722) as an example of this.

### Adding a Suite of API Calls

If you're adding support for a "suite" of API calls (meaning: Create, Update, Delete, Get), then you will need to create one Pull Request for _each_ call.

The following Pull Requests are good examples of how to do this:

* https://github.com/gophercloud/gophercloud/pull/584
* https://github.com/gophercloud/gophercloud/pull/586
* https://github.com/gophercloud/gophercloud/pull/587
* https://github.com/gophercloud/gophercloud/pull/594

You can also use the provided [template](/docs/contributor-tutorial/.template) as it contains a lot of the repeated boiler plate code seen in each resource. However, please make sure to thoroughly review and edit it as needed. Leaving templated portions in-place might be interpreted as rushing through the work and will require further rounds of review to fix.

### Adding an Entire OpenStack Project

To add an entire OpenStack project, you must break each set of API calls into individual Pull Requests. Implementing an entire project can be thought of as implementing multiple API suites.

An example of this can be seen from the Pull Requests referenced in [#723](https://github.com/gophercloud/gophercloud/issues/723).

What to Include in a Pull Request
---------------------------------

Each Pull Request should contain the following:

1. The actual Go code to implement the feature or bug fix
2. Unit tests
3. Acceptance tests
4. Documentation

Whether you want to bundle all of the above into a single commit or multiple commits is up to you. Use your preferred style.

### Unit Tests

Unit tests should provide basic validation that your code works as intended.

Please do not use JSON fixtures from the API reference documentation. Please
generate your own fixtures using the OpenStack environment you're [testing](step-04-acceptance-testing.md) with.

### Acceptance Tests

Since unit tests are not run against an actual OpenStack environment, acceptance tests can arguably be more important. The acceptance tests that you include in your Pull Request should confirm that your implemented code works as intended with an actual OpenStack environment.

### Documentation

All documentation in Gophercloud is done through in-line `godoc`. Please make sure to document all fields, functions, and methods appropriately. In addition, each package has a `doc.go` file which should be created or amended with details of your Pull Request, where appropriate.

Dealing with Related Pull Requests

If you plan to open more than one Pull Request, it's only natural that code from one Pull Request will be dependent on code from the prior Pull Request.

There are two methods of handling this:

### Create Independent Pull Requests

With this method, each Pull Request has all of the code to fully implement the code in question. Each Pull Request can be merged in any order because it's self contained.

Use the following `git` workflow to implement this method:

```
```shell
$ git checkout master
$ git pull
$ git checkout -b identityv3-regions-create
$ (write your code)
$ git add .
$ git commit -m "Implementing Regions Create"

$ git checkout master
$ git checkout -b identityv3-regions-update
$ (write your code)
$ git add .
$ git commit -m "Implementing Regions Update"
```
Advantages of this Method:

* Pull Requests can be merged in any order
* Additional commits to one Pull Request are independent of other Pull Requests

Disadvantages of this Method:

* There will be _a lot_ of duplicate code in each Pull Request
* You will have to rebase all other Pull Requests and resolve a good amount of merge conflicts.

### Create a Chain of Pull Requests

With this method, each Pull Request is based off of a previous Pull Request. Pull Requests will have to be merged in a specific order since there is a defined relationship.

Use the following `git` workflow to implement this method:

```shell
$ git checkout master
$ git pull
$ git checkout -b identityv3-regions-create
$ (write your code)
$ git add .
$ git commit -m "Implementing Regions Create"

$ git checkout -b identityv3-regions-update
$ (write your code)
$ git add .
$ git commit -m "Implementing Regions Update"
```

Advantages of this Method:

* Each Pull Request becomes smaller since you are building off of the last

Disadvantages of this Method:

* If a Pull Request requires changes, you will have to rebase _all_ child Pull Requests based off of the parent.

The choice of method is up to you.

---

Once you have your code written, submit a Pull Request to Gophercloud and proceed to [Step 6](step-06-code-review.md).
Step 6: Code Review

Once you've submitted a Pull Request, three things will happen automatically:

1. Travis-CI will run a set of simple tests:
   a. Unit Tests
   b. Code Formatting checks
   c. `go vet` checks

2. Coveralls will run a coverage test.
3. [OpenLab](https://openlabtesting.org/) will run acceptance tests.

Depending on the results of the above, you might need to make additional changes to your code.

While you're working on the finishing touches to your code, it is helpful to add a `\[wip\]` tag to the title of your Pull Request.

You are most welcomed to take as much time as you need to work on your Pull Request. As well, take advantage of the automatic testing that is done to each commit.

### Travis-CI

If Travis reports code formatting issues, please make sure to run `\`gofmt` on all of your code. Travis will also report errors with unit tests, so you should ensure those are fixed, too.

### Coveralls

If Coveralls reports a decrease in test coverage, check and make sure you have provided unit tests. A decrease in test coverage is _sometimes_ unavoidable and ignorable.

### OpenLab

OpenLab does not yet run a full suite of acceptance tests, so it's possible that the acceptance tests you've included were not run. When this happens, a core member for Gophercloud will run the tests manually.

There are times when a core reviewer does not have access to the resources required to run the acceptance tests. When this happens, it is essential that you've run them yourself (See [Step 4](step-04.md)).
Request a Code Review

When you feel your Pull Request is ready for review, please leave a comment requesting a code review. If you don't explicitly ask for a code review, a core member might not know the Pull Request is ready for review.

Additionally, if there are parts of your implementation that you are unsure about, please ask for help. We're more than happy to provide advice.

During the code review process, a core member will review the code you've submitted and either request changes or request additional information. Generally these requests fall under the following categories:

1. Code which needs to be reformatted (See our [Style Guide](/docs/STYLEGUIDE.md) for conventions used.

2. Requests for additional information about the validity of something. This might happen because the included supporting service code URLs don't have enough information.

3. Missing unit tests or acceptance tests.

Submitting Changes

If a code review requires changes to be submitted, please do not squash your commits. Please only add new commits to the Pull Request. This is to help the code reviewer see only the changes that were made.

It's Never Personal

Code review is a healthy exercise where a new set of eyes can sometimes spot items forgotten by the author.

Please don't take change requests personally. Our intention is to ensure the code is correct before merging.

---

Once the code has been reviewed and approved, a core member will merge your Pull Request.

Please proceed to [Step 7](step-07-congratulations.md).

package testing

import (
“fmt”
"net/http"
"testing"

"github.com/gophercloud/gophercloud/openstack/service/vN/resources"
"github.com/gophercloud/gophercloud/testhelper"
"github.com/gophercloud/gophercloud/testhelper/client"

// ListResult provides a single page of RESOURCE results.
const ListResult =`
{
}
`

// GetResult provides a Get result.
const GetResult =`
{
}
`

// CreateRequest provides the input to a Create request.
const CreateRequest =`
{
}
`

// UpdateRequest provides the input to an Update request.
const UpdateRequest =`
{
}
`

// UpdateResult provides an update result.
const UpdateResult =`
{
}
`

// FirstResource is the first resource in the List request.
var FirstResource = resources.Resource{ }

// SecondResource is the second resource in the List request.
var SecondResource = resources.Resource{ }

// SecondResourceUpdated is how SecondResource should look after an Update.
var SecondResourceUpdated = resources.Resource{ }"
// ExpectedResourcesSlice is the slice of resources expected to be returned from ListResult.
var ExpectedResourcesSlice = []resources.Resource{FirstResource, SecondResource}

// HandleListResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that responds with a list of two resources.
func HandleListResourceSuccessfully(t *testing.T) {
    th.Mux.HandleFunc(`/resources`, func(w http.ResponseWriter, r *http.Request) {
        th.TestMethod(t, r, "GET")
        th.TestHeader(t, r, "Accept", "application/json")
        th.TestHeader(t, r, "X-Auth-Token", client.TokenID)

        w.Header().Set("Content-Type", "application/json")
        w.WriteHeader(http.StatusOK)
        fmt.Fprintf(w, ListResult)
    })
}

// HandleGetResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that responds with a single resource.
func HandleGetResourceSuccessfully(t *testing.T) {
    th.Mux.HandleFunc(`/resources/9fe1d3`, func(w http.ResponseWriter, r *http.Request) {
        th.TestMethod(t, r, "GET")
        th.TestHeader(t, r, "Accept", "application/json")
        th.TestHeader(t, r, "X-Auth-Token", client.TokenID)

        w.Header().Set("Content-Type", "application/json")
        w.WriteHeader(http.StatusOK)
        fmt.Fprintf(w, GetResult)
    })
}

// HandleCreateResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that tests resource creation.
func HandleCreateResourceSuccessfully(t *testing.T) {
    th.Mux.HandleFunc(`/resources`, func(w http.ResponseWriter, r *http.Request) {
        th.TestMethod(t, r, "POST")
        th.TestJSONRequest(t, r, CreateRequest)
        w.WriteHeader(http.StatusCreated)
        fmt.Fprintf(w, GetResult)
    })
}

// HandleDeleteResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that tests resource deletion.
func HandleDeleteResourceSuccessfully(t *testing.T) {
    th.Mux.HandleFunc(`/resources/9fe1d3`, func(w http.ResponseWriter, r *http.Request) {
        th.TestMethod(t, r, "DELETE")
        th.TestHeader(t, r, "Accept", "application/json")
        th.TestHeader(t, r, "X-Auth-Token", client.TokenID)

        w.Header().Set("Content-Type", "application/json")
        w.WriteHeader(http.StatusNoContent)
        fmt.Fprintf(w, GetResult)
    })
}
th.TestMethod(t, r, "DELETE")
th.TestHeader(t, r, "X-Auth-Token", client.TokenID)

w.WriteHeader(http.StatusNoContent)
})

// HandleUpdateResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that tests resource update.
func HandleUpdateResourceSuccessfully(t *testing.T) {
  th.Mux.HandleFunc(`/resources/9fe1d3`, func(w http.ResponseWriter, r *http.Request) {
    th.TestMethod(t, r, "PATCH")
    th.TestHeader(t, r, "X-Auth-Token", client.TokenID)
    th.TestJSONRequest(t, r, UpdateRequest)
    w.WriteHeader(http.StatusOK)
    fmt.Fprintf(w, UpdateResult)
    })
}

package RESOURCE

import (
  "github.com/gophercloud/gophercloud"
  "github.com/gophercloud/gophercloud/pagination"
)

// ListOptsBuilder allows extensions to add additional parameters to
// the List request
type ListOptsBuilder interface {
  ToResourceListQuery() (string, error)
}

// ListOpts provides options to filter the List results.
type ListOpts struct {
}

// ToResourceListQuery formats a ListOpts into a query string.
func (opts ListOpts) ToResourceListQuery() (string, error) {
  q, err := gophercloud.BuildQueryString(opts)
  return q.String(), err
}

// List retrieves a list of RESOURCES.
func List(client *gophercloud.ServiceClient, opts ListOptsBuilder) pagination.Pager {
  url := listURL(client)
  if opts != nil {
    query, err := opts.ToResourceListQuery()
    if err != nil {
      return pagination.Pager{
        Next: nil,
        RawData: nil,
        Error: err, // Add error handling
      }
    } else {
      url = url + query
    }
  }
  return pagination.Pager{
    Next: http.MethodGet,
    RawData: nil,
    Error: nil,
    URL: url,
  }
}
return pagination.Pager{Err: err}
}
url += query
return ResourcePage{pagination.LinkedPageBase{PageResult: r}}
})

// Get retrieves details of a RESOURCE.
func Get(client *gophercloud.ServiceClient, id string) (r GetResult) {
  _, r.Err = client.Get(getURL(client, id), &r.Body, nil)
  return
}

// CreateOptsBuilder allows extensions to add additional parameters to
// the Create request.
type CreateOptsBuilder interface {
  ToResourceCreateMap() (map[string]interface{}, error)
}

// CreateOpts provides options used to create a RESOURCE.
type CreateOpts struct {
  
  // ToResourceCreateMap formats a CreateOpts into a create request.
  func (opts CreateOpts) ToResourceCreateMap() (map[string]interface{}, error) {
    return gophercloud.BuildRequestBody(opts, "resource")
  }

  // Create creates a new RESOURCE.
  func (client *gophercloud.ServiceClient, opts CreateOptsBuilder) (r CreateResult) {
    b, err := opts.ToResourceCreateMap()
    if err != nil {
      r.Err = err
      return
    }
    _, r.Err = client.Post(createURL(client), &b, &r.Body, &gophercloud.RequestOpts{
      OkCodes: []int{201},
    })
    return
  }

  // Delete deletes a RESOURCE.
  func Delete(client *gophercloud.ServiceClient, id string) (r DeleteResult) {
    _, r.Err = client.Delete(deleteURL(client, id), nil)
    return
  }

// UpdateOptsBuilder allows extensions to add additional parameters to
// the Update request.
type UpdateOptsBuilder interface {
    ToResourceUpdateMap() (map[string]interface{}, error)
}

// UpdateOpts represents parameters to update a RESOURCE.
type UpdateOpts struct {
}

// ToUpdateCreateMap formats a UpdateOpts into an update request.
func (opts UpdateOpts) ToResourceUpdateMap() (map[string]interface{}, error) {
    return gophercloud.BuildRequestBody(opts, "resource")
}

// Update modifies the attributes of a RESOURCE.
func Update(client *gophercloud.ServiceClient, id string, opts UpdateOptsBuilder) (r UpdateResult) {
    b, err := opts.ToResourceUpdateMap()
    if err != nil {
        r.Err = err
        return
    }
    _, r.Err = client.Patch(updateURL(client, id), b, &r.Body, &gophercloud.RequestOpts{
        OkCodes: []int{200},
    })
    return
}

package testing

import (
    "testing"
    "github.com/gophercloud/gophercloud/openstack/service/vN/resources"
    "github.com/gophercloud/gophercloud/pagination"
    th "github.com/gophercloud/gophercloud/testhelper"
    "github.com/gophercloud/gophercloud/testhelper/client"
)

func TestListResources(t *testing.T) {
    th.SetupHTTP()
    defer th.TearDownHTTP()
    HandleListResourcesSuccessfully(t)

    count := 0
        count++
        return true
    })
    if err != nil {
        t.Errorf("Error occurred: %v", err)
    }
    t.Logf("Count: %d", count)
}
func TestListResourcesAllPages(t *testing.T) {
    th.SetupHTTP()
    defer th.TeardownHTTP()
    HandleListResourcesSuccessfully(t)

    allPages, err := resources.List(client.ServiceClient(), nil).AllPages()
    th.AssertNoErr(t, err)
    actual, err := resources.ExtractResources(allPages)
    th.AssertNoErr(t, err)
    th.AssertDeepEquals(t, ExpectedResourcesSlice, actual)
}

func TestGetResource(t *testing.T) {
    th.SetupHTTP()
    defer th.TeardownHTTP()
    HandleGetResourceSuccessfully(t)

    actual, err := resources.Get(client.ServiceClient(), "9fe1d3").Extract()
    th.AssertNoErr(t, err)
}

func TestCreateResource(t *testing.T) {
    th.SetupHTTP()
    defer th.TeardownHTTP()
    HandleCreateResourceSuccessfully(t)

    createOpts := resources.CreateOpts{
        Name: "resource two",
    }

    actual, err := resources.Create(client.ServiceClient(), createOpts).Extract()
    th.AssertNoErr(t, err)
}

func TestDeleteResource(t *testing.T) {

    actual, err := resources.ExtractResources(page)
    th.AssertNoErr(t, err)

    th.AssertDeepEquals(t, ExpectedResourcesSlice, actual)

    return true, nil
})
    th.AssertNoErr(t, err)
    th.AssertEquals(t, count, 1)
}

func TestListResourcesAllPages(t *testing.T) {
    th.SetupHTTP()
    defer th.TeardownHTTP()
    HandleListResourcesSuccessfully(t)

    allPages, err := resources.List(client.ServiceClient(), nil).AllPages()
    th.AssertNoErr(t, err)
    actual, err := resources.ExtractResources(allPages)
    th.AssertNoErr(t, err)
    th.AssertDeepEquals(t, ExpectedResourcesSlice, actual)
}

func TestGetResource(t *testing.T) {
    th.SetupHTTP()
    defer th.TeardownHTTP()
    HandleGetResourceSuccessfully(t)

    actual, err := resources.Get(client.ServiceClient(), "9fe1d3").Extract()
    th.AssertNoErr(t, err)
}

func TestCreateResource(t *testing.T) {
    th.SetupHTTP()
    defer th.TeardownHTTP()
    HandleCreateResourceSuccessfully(t)

    createOpts := resources.CreateOpts{
        Name: "resource two",
    }

    actual, err := resources.Create(client.ServiceClient(), createOpts).Extract()
    th.AssertNoErr(t, err)
}

func TestDeleteResource(t *testing.T) {
th.SetupHTTP()
defer th.TeardownHTTP()
HandleDeleteResourceSuccessfully(t)

res := resources.Delete(client.ServiceClient(), "9fe1d3")
th.AssertNoErr(t, res.Err)
}

func TestUpdateResource(t *testing.T) {
  th.SetupHTTP()
defer th.TeardownHTTP()
HandleUpdateResourceSuccessfully(t)

  updateOpts := resources.UpdateOpts{
    Description: "Staging Resource",
  }

  actual, err := resources.Update(client.ServiceClient(), "9fe1d3", updateOpts).Extract()
  th.AssertNoErr(t, err)
  th.AssertDeepEquals(t, SecondResourceUpdated, *actual)
}

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package RESOURCE

import "github.com/gophercloud/gophercloud"

func listURL(client *gophercloud.ServiceClient) string {
    return client.ServiceURL("resource")
}

func getURL(client *gophercloud.ServiceClient, id string) string {
    return client.ServiceURL("resource", id)
}

func createURL(client *gophercloud.ServiceClient) string {
    return client.ServiceURL("resource")
}

func deleteURL(client *gophercloud.ServiceClient, id string) string {
    return client.ServiceURL("resource", id)
}

func updateURL(client *gophercloud.ServiceClient, id string) string {
    return client.ServiceURL("resource", id)
}

Step 7: Congratulations!

At this point your code is merged and you've either fixed a bug or added a new feature to Gophercloud!
We completely understand that this has been a long process. We appreciate your patience as well as the time you have taken for working on this. You've made Gophercloud a better project with your work.

Step 4: Acceptance Testing
==================================

If we haven't started working on the feature or bug fix, why are we talking about Acceptance Testing now?

Before you implement a feature or bug fix, you _must_ be able to test your code in a working OpenStack environment. Please do not submit code which you have only tested with offline unit tests.

Blindly submitting code is dangerous to the Gophercloud project. Developers from all over the world use Gophercloud in many different projects. If you submit code which is untested, it can cause these projects to break or become unstable.

And, to be frank, submitting untested code will inevitably cause someone else to have to spend time fixing it.

If you don't have an OpenStack environment to test with, we have lots of documentation [here](/acceptance) to help you build your own small OpenStack environment for testing.

---

Once you've confirmed you are able to test your code, proceed to [Step 5](step-05-pull-requests.md) to (finally!) start working on a Pull Request.

/*
Package NAME manages and retrieves RESOURCE in the OpenStack SERVICE Service.

Example to List RESOURCE

Example to Create a RESOURCE

Example to Update a RESOURCE

Example to Delete a RESOURCE

*/

package RESOURCE

Step 2: Create an Issue
==================================

Every patch / Pull Request requires a corresponding issue. If you're fixing
a bug for an existing issue, then there's no need to create a new issue.

However, if no prior issue exists, you must create an issue.

Reporting a Bug
---------------

When reporting a bug, please try to provide as much information as you can.

The following issues are good examples for reporting a bug:

* https://github.com/gophercloud/gophercloud/issues/108
* https://github.com/gophercloud/gophercloud/issues/212
* https://github.com/gophercloud/gophercloud/issues/424
* https://github.com/gophercloud/gophercloud/issues/588
* https://github.com/gophercloud/gophercloud/issues/629
* https://github.com/gophercloud/gophercloud/issues/647

Feature Request
---------------

If you've noticed that a feature is missing from Gophercloud, you'll also need to create an issue before doing any work. This is start a discussion about whether or not the feature should be included in Gophercloud. We don't want to want to see you put in hours of work only to learn that the feature is out of scope of the project.

Feature requests can come in different forms:

#### Adding a Feature to Gophercloud Core

The "core" of Gophercloud is the code which supports API requests and responses: pagination, error handling, building request bodies, and parsing response bodies are all examples of core code.

Modifications to core will usually have the most amount of discussion than other requests since a change to core will affect _all_ of Gophercloud.

The following issues are examples of core change discussions:

* https://github.com/gophercloud/gophercloud/issues/310
* https://github.com/gophercloud/gophercloud/issues/613
* https://github.com/gophercloud/gophercloud/issues/729
* https://github.com/gophercloud/gophercloud/issues/713

#### Adding a Missing Field
If you've found a missing field in an existing struct, submit an issue to request having it added. These kinds of issues are pretty easy to report and resolve.

You should also provide a link to the actual service's Python code which defines the missing field.

The following issues are examples of missing fields:

* https://github.com/gophercloud/gophercloud/issues/620
* https://github.com/gophercloud/gophercloud/issues/621
* https://github.com/gophercloud/gophercloud/issues/658

There's one situation which can make adding fields more difficult: if the field is part of an API extension rather than the base API itself. An example of this can be seen in [this](https://github.com/gophercloud/gophercloud/issues/749) issue.

Here, a user reported fields missing in the `Get` function of `networking/v2/networks`. The fields reported missing weren't missing at all, they're just part of various Networking extensions located in `networking/v2/extensions`.

### Adding a Missing API Call

If you've found a missing API action, create an issue with details of the action. For example:

* https://github.com/gophercloud/gophercloud/issues/715
* https://github.com/gophercloud/gophercloud/issues/719

You'll want to make sure the API call is part of the upstream OpenStack project and not an extension created by a third-party or vendor. Gophercloud only supports the OpenStack projects proper.

### Adding a Missing API Suite

Adding support to a missing suite of API calls will require more than one Pull Request. However, you can use a single issue for all PRs.

Examples of issues which track the addition of a missing API suite are:

* https://github.com/gophercloud/gophercloud/issues/539
* https://github.com/gophercloud/gophercloud/issues/555
* https://github.com/gophercloud/gophercloud/issues/571
* https://github.com/gophercloud/gophercloud/issues/583
* https://github.com/gophercloud/gophercloud/issues/605
Note how the issue breaks down the implementation by request types (Create, Update, Delete, Get, List).

Also note how these issues provide links to the service's Python code. These links are not required for _issues_, but it's usually a good idea to provide them, anyway. These links _are required_ for PRs and that will be covered in detail in a later step of this tutorial.

### Adding a Missing OpenStack Project

These kinds of feature additions are large undertakings. Adding support for an entire OpenStack project is something the Gophercloud team very much appreciates, but you should be prepared for several weeks of work and interaction with the Gophercloud team.

An example of how to create an issue for an entire project can be seen here:

* https://github.com/gophercloud/gophercloud/issues/723

---

With all of the above in mind, proceed to [Step 3](step-03-code-hunting.md) to learn about Code Hunting.

### Step 3: Code Hunting

If you plan to submit a feature or bug fix to Gophercloud, you must be able to prove your code correctly works with the OpenStack service in question.

Let's use the following issue as an example: [https://github.com/gophercloud/gophercloud/issues/621](https://github.com/gophercloud/gophercloud/issues/621). In this issue, there's a request being made to add support for `availability_zone_hints` to the `networking/v2/networks` package.

Meaning, we want to change:

```go
type Network struct {
    ID           string `json:"id"`
    Name         string `json:"name"`
    AdminStateUp bool   `json:"admin_state_up"`
    Status       string `json:"status"`
    Subnets      []string `json:"subnets"`
    TenantID     string `json:"tenant_id"`
    Shared       bool   `json:"shared"`
}
```
We need to be sure that `availability_zone_hints` is a field which really does exist in the OpenStack Neutron project and it’s not a field which was added as a customization to a single OpenStack cloud.

In addition, we need to ensure that `availability_zone_hints` is really a `[]string` and not a different kind of type.

One way of verifying this is through the [OpenStack API reference documentation](https://developer.openstack.org/api-ref/network/v2/). However, the API docs might either be incorrect or they might not provide all of the details we need to know in order to ensure this field is added correctly.

> Note: when we say the API docs might be incorrect, we are _not_ implying that the API docs aren’t useful or that the contributors who work on the API docs are wrong. OpenStack moves fast. Typos happen. Forgetting to update documentation happens.

Since the OpenStack service itself correctly accepts and processes the fields, the best source of information on how the field works is in the service code itself.

Continuing on with using #621 as an example, we can find the definition of `availability_zone_hints` in the following piece of code:

https://github.com/openstack/neutron/blob/8e9959725eda4063a318b4ba6af1e3494cad9e35/neutron/objects/network.py#L191

The above code confirms that `availability_zone_hints` is indeed part of the `Network` object and that its type is a list of strings (`[]string`).

This example is a best-case situation: the code is relatively easy to find.
and it's simple to understand. However, there will be times when proving the implementation in the service code is difficult. Make no mistake, this is _not_ fun work. This can sometimes be more difficult than writing the actual patch for Gophercloud. However, this is an essential step to ensuring the feature or bug fix is correctly added to Gophercloud.

Examples of good code hunting can be seen here:

* [https://github.com/gophercloud/gophercloud/issues/539](https://github.com/gophercloud/gophercloud/issues/539)
* [https://github.com/gophercloud/gophercloud/issues/555](https://github.com/gophercloud/gophercloud/issues/555)
* [https://github.com/gophercloud/gophercloud/issues/571](https://github.com/gophercloud/gophercloud/issues/571)
* [https://github.com/gophercloud/gophercloud/issues/583](https://github.com/gophercloud/gophercloud/issues/583)
* [https://github.com/gophercloud/gophercloud/issues/605](https://github.com/gophercloud/gophercloud/issues/605)

Code Hunting Tips

-------------

OpenStack projects differ from one to another. Code is organized in different ways. However, the following tips should be useful across all projects.

* The logic which implements Create and Delete actions is usually either located in the "model" or "controller" portion of the code.

* Use Github's search box to search for the exact field you're working on. Review all results to gain a good understanding of everywhere the field is used.

* When adding a field, look for an object model or a schema of some sort.

---

Proceed to [Step 4](step-04-acceptance-testing.md) to learn about Acceptance Testing.

Step 1: Read Our Guides

-------------------------------

There are two introductory guides you should read before proceeding:

* [CONTRIBUTING](https://github/CONTRIBUTING.md): The Contributing guide is a detailed document which describes the different ways you can contribute to Gophercloud and how to get started. This tutorial you're reading is very similar to that guide, but presented in a different way. We still recommend you read it over.

* [STYLE](https://docs/STYLEGUIDE.md): The Style Guide documents coding conventions used in the Gophercloud project.

---
When you've finished reading those guides, proceed to [Step 2](step-02-issues.md).

1.4609 logstash-filter-memcached 0.1.2

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The following is a list of people who have contributed ideas, code, bug reports, or in general have helped logstash along its way.

Contributors:
* Ry Biesemeyer - ry.biesemeyer@elastic.co

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1.4643 libcrypt 4.4.18-4

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* /opt/cola/permits/1112206721_1607051600.53/0-webpack-source-list-map-v2-0-0-0-g572d510-tar-gz/webpack-source-list-map-d2cadd4/lib/CodeNode.js
* /opt/cola/permits/1112206721_1607051600.53/0-webpack-source-list-map-v2-0-0-0-g572d510-tar-gz/webpack-source-list-map-d2cadd4/lib/helpers.js
* /opt/cola/permits/1112206721_1607051600.53/0-webpack-source-list-map-v2-0-0-0-g572d510-tar-gz/webpack-source-list-map-d2cadd4/lib/fromStringWithSourceMap.js
* /opt/cola/permits/1112206721_1607051600.53/0-webpack-source-list-map-v2-0-0-0-g572d510-tar-gz/webpack-source-list-map-d2cadd4/lib/MappingsContext.js
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* /opt/cola/permits/1112206721_1607051600.53/0-webpack-source-list-map-v2-0-0-0-g572d510-tar-gz/webpack-source-list-map-d2cadd4/lib/SourceNode.js
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1.4672 x-sync v0.0.0-20200625203802-6e8e738ad208

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1.4673 libx11 1.6.9-r0

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# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=6
pkgdesc="A library for high-performance 2D graphics"
url="https://www.levien.com/libart/
arch="all"
options="!check" # No test suite.
license="LGPL-2.0-or-later"
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2"

builddir="$srcdir/libart_lgpl-$pkgver"

prepare() {
  update_config_sub
default_prepare
}

build() {
  ./configure \
  --build=$CBUILD \
  --host=$CHOST \
  --prefix=/usr
  make
}

package() {
  make DESTDIR="$pkgdir" install
}

sha512sums="8a632a6a4da59e5e8c02ee2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e76654309e001ae9bace727b5b4c8589405256a3c020  libart_lgpl-2.3.21.tar.bz2"
# Contributor: Fabian Affolter <fabian@affolter-engineering.ch>
# Maintainer: Fabian Affolter <fabian@affolter-engineering.ch>
pkgname=py3-flake8-copyright
_PKpkgname=flake8-copyright
pkgver=0.2.2
pkgrel=1
pkgdesc="Extension for flake8 which checks for copyrights"
options="!check" # No testsuite
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
dependson="py3-flake8 py3-setuptools"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/$_pkgname/$_pkgname-$pkgver.tar.gz"
builddir="$srcdir/$_pkgname-$pkgver"

replaces="py-flake8-copyright" # Backwards compatibility
provides="py-flake8-copyright=$pkgver-r$pkgrel" # Backwards compatibility

build() {
python3 setup.py build
}

package() {
python3 setup.py install --prefix=/usr --root="$pkgdir"
}

sha512sums="8ade49f386e67d14e4b826946b947454cf2502ff249a9ab1d359f61fa42ebc2b17dd465708894cf82fffd1530be1bed746464220d409d4dc1b07940ec280f28 flake8-copyright-0.2.2.tar.gz" SQLite Copyright
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# 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=4
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource"
arch="all"
license="GPL-1.0-or-later OR Artistic-1.0-Perl"
makedepends="perl-dev"
subpackages="${pkgname}-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/$_pkgreal-$pkgver.tar.gz"
builddir="${srcdir}/${pkgreal}-${pkgver}"

prepare() {
  default_prepare

  export CFLAGS=\$(perl -MConfig -E 'say $Config{ccflags}')
  PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}

build() {
  export CFLAGS=\$(perl -MConfig -E 'say $Config{ccflags}"
  make
}

  check() {
    make test
}
package() {
  make DESTDIR="$pkgdir" install
  find "$pkgdir" ! -name perllocal.pod -o -name .packlist -delete
}

sha512sums="d0032d41c7c0468ed1c6d8f57b885f6ceb97a5039d754c8cb60b2067daedaf53bd15f6561a3d0f828df16
dfa517f663b8065ba65f4f0a89e9262728b3b6b85  BSD-Resource-1.2911.tar.gz"

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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="0950540df050fb7f7ce92f5ad1bf756725e233d701f0c5b2fc5bfa85dae65bba3400de7f7d78b4b1d8a41de
ab4e461a5f1018f4869d9f3e0428a564e32c01c60  license-list-data-3.8.tar.gz"
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// https://bitbucket.org/lindenlab/lsl
// Modifications by Joshua Bell inexorabletash@gmail.com
// https://github.com/inexorabletash/polyfill

// ES3/ES5 implementation of the Krhonos Typed Array Specification
// Ref: http://www.khronos.org/registry/typedarray/specs/latest/
// Date: 2011-02-01
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A list of [SPDX license](https://spdx.org/licenses/) identifiers

## Installation

[Download JSON directly](https://raw.githubusercontent.com/shinnn/spdx-license-ids/master/index.json), or [use](https://docs.npmjs.com/cli/install) [npm](https://docs.npmjs.com/getting-started/what-is-npm):

```sh	npm install spdx-license-ids
```

## [Node.js](https://nodejs.org/) API

### require('spdx-license-ids')

Type: `Array<string>`

All license IDs except for the currently deprecated ones.

```javascript
const ids = require('spdx-license-ids');
//=> ['0BSD', 'AAL', 'Abstyles', 'Adobe-2006', 'Adobe-Glyph', 'ADSL', 'AFL-1.1', ...

ids.includes('BSD-3-Clause'); //=> true
ids.includes('CC-BY-1.0'); //=> true
ids.includes('GPL-3.0'); //=> false
```

### require('spdx-license-ids/deprecated')

Type: `Array<string>`

Deprecated license IDs.

```javascript
const deprecatedIds = require('spdx-license-ids/deprecated');
//=> ['AGPL-3.0', 'eCos-2.0', 'GFDL-1.1', 'GFDL-1.2', 'GFDL-1.3', 'GPL-1.0', ...

deprecatedIds.includes('BSD-3-Clause'); //=> false
deprecatedIds.includes('CC-BY-1.0'); //=> false
deprecatedIds.includes('GPL-3.0'); //=> true
```
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validate-npm-package-license
============================
Give me a string and I'll tell you if it's a valid npm package license string.

```javascript
var valid = require('validate-npm-package-license');
```

SPDX license identifiers are valid license strings:

```javascript
var assert = require('assert');
var validSPDXExpression = {
    validForNewPackages: true,
    validForOldPackages: true,
    spdx: true
};

assert.deepEqual(valid('MIT'), validSPDXExpression);
assert.deepEqual(valid('BSD-2-Clause'), validSPDXExpression);
```
The function will return a warning and suggestion for nearly-correct license identifiers:

```javascript
assert.deepEqual(valid('Apache 2.0'),
{
validForOldPackages: false,
validForNewPackages: false,
warnings: [
'license should be ' +
'a valid SPDX license expression (without "LicenseRef"), ' +
'"UNLICENSED", or ' +
""SEE LICENSE IN <filename>"",
'license is similar to the valid expression "Apache-2.0"'
]
}
);
```

SPDX expressions are valid, too ...

```javascript
// Simple SPDX license expression for dual licensing
assert.deepEqual(
valid('(GPL-3.0-only OR BSD-2-Clause)'),
validSPDXExpression
);
```

... except if they contain `LicenseRef`:

```javascript
var warningAboutLicenseRef = {
validForOldPackages: false,
validForNewPackages: false,
spdx: true,
warnings: [
'license should be ' +
'a valid SPDX license expression (without "LicenseRef"), ' +
""UNLICENSED", or ' +
""SEE LICENSE IN <filename>"",
]
};

assert.deepEqual(

If you can't describe your licensing terms with standardized SPDX identifiers, put the terms in a file in the package and point users there:

```javascript
assert.deepEqual(
  valid('SEE LICENSE IN LICENSE.txt'),
  {
    validForNewPackages: true,
    validForOldPackages: true,
    inFile: 'LICENSE.txt'
  }
);
```

```javascript
assert.deepEqual(
  valid('SEE LICENSE IN license.md'),
  {
    validForNewPackages: true,
    validForOldPackages: true,
    inFile: 'license.md'
  }
);
```

If there aren't any licensing terms, use `UNLICENSED`:

```javascript
var unlicensed = {
  validForNewPackages: true,
  validForOldPackages: true,
  unlicensed: true
};
assert.deepEqual(valid('UNLICENSED'), unlicensed);
assert.deepEqual(valid('UNLICENCED'), unlicensed);
```
1.4679 logstash-codec-edn_lines 3.0.6

1.4679.1 Available under license:

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1.4680 glibc 2.28-10

1.4680.1 Available under license:

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#
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# No attempt is made to verify correct operation of the resulting schema
# and statements.
#
set testdir [file dirname $argv0]
source $testdir/tester.tcl

# Schema and query extracted from Skrooge.org.
#
do_test fuzz-oss1-skrooge {
    db eval {
        CREATE TABLE parameters (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,t_uuid_parent TEXT NOT NULL DEFAULT ",",t_name TEXT NOT NULL,t_value TEXT NOT NULL DEFAULT ",",b_blob
CREATE TABLE rule (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,t_description TEXT NOT NULL DEFAULT '',t_definition TEXT NOT NULL DEFAULT '',t_action_description TEXT NOT NULL DEFAULT '',t_action_definition TEXT NOT NULL DEFAULT '',t_action_type VARCHAR(1) DEFAULT 'S' CHECK (t_action_type IN ('S', 'U', 'A')),t_bookmarked VARCHAR(1) NOT NULL DEFAULT 'N' CHECK (t_bookmarked IN ('Y', 'N')),f_sortorder FLOAT);
CREATE TABLE budget (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,rc_category_id INTEGER NOT NULL DEFAULT 0, t_including_subcategories TEXT NOT NULL DEFAULT 'N' CHECK (t_including_subcategories IN ('Y', 'N')), f_budgeted FLOAT NOT NULL DEFAULT 0.0,f_budgeted_modified FLOAT NOT NULL DEFAULT 0.0, f_transferred FLOAT NOT NULL DEFAULT 0.0, i_year INTEGER NOT NULL DEFAULT 2010, i_month INTEGER NOT NULL DEFAULT 0 CHECK (i_month>=0 AND i_month<=12);
CREATE TABLE budgetcategory (id INTEGER NOT NULL DEFAULT 0, id_category INTEGER NOT NULL DEFAULT 0);
CREATE TABLE budgetrule (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,rc_category_id INTEGER NOT NULL DEFAULT 0, t_category_condition TEXT NOT NULL DEFAULT 'Y' CHECK (t_category_condition IN ('Y', 'N')), t_year_condition TEXT NOT NULL DEFAULT 'Y' CHECK (t_year_condition IN ('Y', 'N')), i_year INTEGER NOT NULL DEFAULT 2010, i_month INTEGER NOT NULL DEFAULT 0 CHECK (i_month>=0 AND i_month<=12), t_month_condition TEXT NOT NULL DEFAULT 'Y' CHECK (t_month_condition IN ('Y', 'N')), i_condition INTEGER NOT NULL DEFAULT 0 CHECK (i_condition IN (-1, 0, 1)), f_quantity FLOAT NOT NULL DEFAULT 0.0, t_absolute TEXT NOT NULL DEFAULT 'Y' CHECK (t_absolute IN ('Y', 'N')), rc_category_id_target INTEGER NOT NULL DEFAULT 0, t_category_target TEXT NOT NULL DEFAULT 'Y' CHECK (t_category_target IN ('Y', 'N')), t_rule TEXT NOT NULL DEFAULT 'N' CHECK (t_rule IN ('N', 'C', 'Y'));
CREATE TABLE "recurrentoperation" (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT, d_date DATE NOT NULL DEFAULT '0000-00-00', rd_operation_id INTEGER NOT NULL, i_period_increment INTEGER NOT NULL DEFAULT 1 CHECK (i_period_increment>=0), t_period_unit TEXT NOT NULL DEFAULT 'M' CHECK (t_period_unit IN ('D', 'W', 'M', 'Y')), t_auto_write VARCHAR(1) DEFAULT 'Y' CHECK (t_auto_write IN ('Y', 'N')), i_auto_write_days INTEGER NOT NULL DEFAULT 5 CHECK (i_auto_write_days>=0), t_warn VARCHAR(1) DEFAULT 'Y' CHECK (t_warn IN ('Y', 'N')), i_warn_days INTEGER NOT NULL DEFAULT 5 CHECK (i_warn_days>=0), t_times VARCHAR(1) DEFAULT 'N' CHECK (t_times IN ('Y', 'N')), i_nb_times INTEGER NOT NULL DEFAULT 1 CHECK (i_nb_times>=0);
CREATE TABLE "category" (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT, t_name TEXT NOT NULL DEFAULT '', t_fullname TEXT, rd_category_id INT, t_bookmarked VARCHAR(1) NOT NULL DEFAULT 'N' CHECK (t_bookmarked IN ('Y', 'N')));
CREATE TABLE "account" (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT, t_name TEXT NOT NULL DEFAULT '', t_number TEXT NOT NULL DEFAULT '', t_agency_number TEXT NOT NULL DEFAULT '', t_agency_address TEXT NOT NULL DEFAULT '', t_comment TEXT NOT NULL DEFAULT '', t_close VARCHAR(1) DEFAULT 'N' CHECK (t_close IN ('Y', 'N')), t_type VARCHAR(1) DEFAULT 'C' CHECK (t_type IN ('C', 'D', 'A', 'T', 'L', 'W', 'O')), t_bookmarked VARCHAR(1) NOT NULL DEFAULT 'N' CHECK (t_bookmarked IN ('Y', 'N')), rd_bank_id INTEGER NOT NULL);
CREATE TABLE "node" (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT, t_name TEXT NOT NULL DEFAULT '', t_fullname TEXT NOT NULL DEFAULT '', t_icon TEXT NOT NULL DEFAULT '', f_sortorder FLOAT, t_autostart VARCHAR(1) DEFAULT 'N' CHECK (t_autostart IN ('Y', 'N')), t_data TEXT, rd_node_id INT CONSTRAINT fk_id REFERENCES node(id) ON DELETE CASCADE);
CREATE TABLE vm_category_display_tmp (id INT, t_name TEXT,
t_fullname TEXT,
rd_category_id INT,
t_bookmarked TEXT,
i_NBOPERATIONS,
f_REALCURRENTAMOUNT
);
CREATE TABLE vm_budget_tmp(
id INT,
rc_category_id INT,
t_including_subcategories TEXT,
f_budgeted REAL,
f_budgeted_modified REAL,
f_transferred REAL,
i_year INT,
i_month INT,
t_CATEGORY, t_PERIOD,
f_CURRENTAMOUNT,
t_RULES
);
CREATE INDEX idx_doctransaction_parent ON doctransaction (i_parent);
CREATE INDEX idx_doctransactionitem_i_object_id ON doctransactionitem (i_object_id);
CREATE INDEX idx_doctransactionitem_t_object_table ON doctransactionitem (t_object_table);
CREATE INDEX idx_doctransactionitem_t_action ON doctransactionitem (t_action);
CREATE INDEX idx_doctransactionitem_rd_doctransaction_id ON doctransactionitem (rd_doctransaction_id);
CREATE INDEX idx_doctransactionitem_optimization ON doctransactionitem (rd_doctransaction_id, i_object_id, t_object_table, t_action, id);
CREATE INDEX idx_unit_unit_id ON unitvalue(rd_unit_id);
CREATE INDEX idx_account_bank_id ON account(rd_bank_id);
CREATE INDEX idx_account_type ON account(t_type);
CREATE INDEX idx_category_category_id ON category(rd_category_id);
CREATE INDEX idx_category_t_fullname ON category(t_fullname);
CREATE INDEX idx_operation_account_id ON operation (rd_account_id);
CREATE INDEX idx_operation_tmp1_found_transfert ON operation (rc_unit_id, d_date);
CREATE INDEX idx_operation_grouped_operation_id ON operation (i_group_id);
CREATE INDEX idx_operation_i_number ON operation (i_number);
CREATE INDEX idx_operation_i_tmp ON operation (i_tmp);
CREATE INDEX idx_operation_rd_account_id ON operation (rd_account_id);
CREATE INDEX idx_operation_rc_unit_id ON operation (rc_unit_id);
CREATE INDEX idx_operation_t_status ON operation (t_status);
CREATE INDEX idx_operation_t_import_id ON operation (t_import_id);
CREATE INDEX idx_operation_t_template ON operation (t_template);
CREATE INDEX idx_operation_d_date ON operation (d_date);
CREATE INDEX idx_operationbalance_operation_id ON operationbalance (r_operation_id);
CREATE INDEX idx_suboperation_operation_id ON suboperation (rd_operation_id);
CREATE INDEX idx_suboperation_i_tmp ON suboperation (i_tmp);
CREATE INDEX idx_suboperation_category_id ON suboperation (r_category_id);
CREATE INDEX idx_suboperation_refund_id_id ON suboperation (r_refund_id);
CREATE INDEX idx_recurrentoperation_rd_operation_id ON recurrentoperation (rd_operation_id);
CREATE INDEX idx_refund_close ON refund(t_close);
CREATE INDEX idx_interest_account_id ON interest (rd_account_id);
CREATE INDEX idx_rule_action_type ON rule(t_action_type);
CREATE INDEX idx_budget_category_id ON budget(rc_category_id);
CREATE INDEX idx_budgetcategory_id ON budgetcategory (id);
CREATE INDEX idx_budgetcategory_id_category ON budgetcategory (id_category);
CREATE UNIQUE INDEX uidx_parameters_uuid_parent_name ON parameters (t_uuid_parent, t_name);
CREATE UNIQUE INDEX uidx_node_parent_id_name ON node(t_name,rd_node_id);
CREATE UNIQUE INDEX uidx_node_fullname ON node(t_fullname);
CREATE UNIQUE INDEX uidx_unit_name ON unit(t_name);
CREATE UNIQUE INDEX uidx_unit_symbol ON unit(t_symbol);
CREATE UNIQUE INDEX uidx_unitvalue ON unitvalue(d_date,rd_unit_id);
CREATE UNIQUE INDEX uidx_bank_name ON bank(t_name);
CREATE UNIQUE INDEX uidx_account_name ON account(t_name);
CREATE UNIQUE INDEX uidx_category_parent_id_name ON category(t_name,rd_category_id);
CREATE UNIQUE INDEX uidx_category_fullname ON category(t_fullname);
CREATE UNIQUE INDEX uidx_refund_name ON refund(t_name);
CREATE UNIQUE INDEX uidx_payee_name ON payee(t_name);
CREATE UNIQUE INDEX uidx_interest ON interest(d_date,rd_account_id);
CREATE VIEW v_node AS SELECT * from node;
CREATE VIEW v_node_displayname AS SELECT *, tFullName AS t_displayname from node;
CREATE VIEW v_parameters_displayname AS SELECT *, t_name AS t_displayname from parameters;
CREATE TRIGGER fkdc_parameters_parameters_uuid BEFORE DELETE ON parameters FOR EACH ROW BEGIN DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'parameters'; END;
CREATE TRIGGER fkdc_node_parameters_uuid BEFORE DELETE ON node FOR EACH ROW BEGIN DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'node'; END;
CREATE TRIGGER cpt_node_fullname1 AFTER INSERT ON node BEGIN UPDATE node SET t_fullname=CASE WHEN new.rd_node_id IS NULL OR new.rd_node_id='' OR new.rd_node_id=0 THEN new.t_name ELSE (SELECT c.t_fullname from node c where c.id=new.rd_node_id)||' > '||new.t_name END WHERE id=new.id;END;
CREATE TRIGGER cpt_node_fullname2 AFTER UPDATE OF t_name, rd_node_id ON node BEGIN UPDATE node SET t_fullname=CASE WHEN new.rd_node_id IS NULL OR new.rd_node_id='' OR new.rd_node_id=0 THEN new.t_name ELSE (SELECT c.t_fullname from node c where c.id=new.rd_node_id)||' > '||new.t_name END WHERE id=new.id;END;
CREATE TRIGGER fki_budget_category_rc_category_id_id BEFORE INSERT ON budget FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d''ajouter un objet (category est utilis par budget) WHERE id=new.id;END);
CREATE TRIGGER fkdc_bank_account_id_rd_bank_id_id BEFORE DELETE ON bank FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d''ajouter un objet (bank est utilis par account) WHERE id=new.id;END);
CREATE TRIGGER fkku_account_bank_rd_bank_id_id BEFORE UPDATE ON account FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (bank est utilis par account) WHERE id=new.id;END;
CREATE TRIGGER fkdc_bank_account_id_rd_bank_id_id BEFORE DELETE ON bank FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d''ajouter un objet (category est utilis par budget) WHERE id=new.id;END;
Nom de la contrainte: fki_budget_category rc_category_id_id') WHERE NEW.rc_category_id!=0 AND NEW.rc_category_id!='' AND (SELECT id FROM category WHERE id = NEW.rc_category_id) IS NULL; END;
CREATE TRIGGER fku_budget_category rc_category_id_id BEFORE UPDATE ON budget FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (category est utilis par budget)
Nom de la contrainte: fku_budget_category rc_category_id_id') WHERE NEW.rc_category_id!=0 AND NEW.rc_category_id!='' AND (SELECT id FROM category WHERE id = NEW.rc_category_id) IS NULL; END;
CREATE TRIGGER fkd_budget_category rc_category_id_id BEFORE DELETE ON category FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de dtreuire un objet (category est utilis par budget)
Nom de la contrainte: fkd_budget_category rc_category_id_id') WHERE (SELECT rc_category_id FROM budget WHERE rc_category_id = OLD.id) IS NOT NULL; END;
CREATE TRIGGER fki_budgetrule_category rc_category_id_id BEFORE INSERT ON budgetrule FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d''ajouter un objet (category est utilis par budgetrule)
Nom de la contrainte: fki_budgetrule_category rc_category_id_id') WHERE NEW.rc_category_id!=0 AND NEW.rc_category_id!='' AND (SELECT id FROM category WHERE id = NEW.rc_category_id) IS NULL; END;
CREATE TRIGGER fku_budgetrule_category rc_category_id_id BEFORE UPDATE ON budgetrule FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (category est utilis par budgetrule)
Nom de la contrainte: fku_budgetrule_category rc_category_id_id') WHERE NEW.rc_category_id!=0 AND NEW.rc_category_id!='' AND (SELECT id FROM category WHERE id = NEW.rc_category_id) IS NULL; END;
CREATE TRIGGER fkd_budgetrule_category rc_category_id_id BEFORE DELETE ON category FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de dtreuire un objet (category est utilis par budgetrule)
Nom de la contrainte: fkd_budgetrule_category rc_category_id_id') WHERE (SELECT rc_category_id FROM budgetrule WHERE rc_category_id = OLD.id) IS NOT NULL; END;
CREATE TRIGGER fki_category_category rd_category_id_id BEFORE INSERT ON category FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d''ajouter un objet (category est utilis par category)
Nom de la contrainte: fki_category_category rd_category_id_id') WHERE NEW.rd_category_id!=0 AND NEW.rd_category_id!='' AND (SELECT id FROM category WHERE id = NEW.rd_category_id) IS NULL; END;
CREATE TRIGGER fku_category_category rd_category_id_id BEFORE UPDATE ON category FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (category est utilis par category)
Nom de la contrainte: fku_category_category rd_category_id_id') WHERE NEW.rd_category_id!=0 AND NEW.rd_category_id!='' AND (SELECT id FROM category WHERE id = NEW.rd_category_id) IS NULL; END;
CREATE TRIGGER fkd_category_category rd_category_id_id BEFORE DELETE ON category FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de dtreuire un objet (category est utilis par category)
Nom de la contrainte: fkd_category_category rd_category_id_id') WHERE (SELECT rd_category_id FROM category WHERE rd_category_id = OLD.id) IS NOT NULL; END;
CREATE TRIGGER fki_doctransactionitem_doctransaction_rd_doctransaction_id_id BEFORE INSERT ON doctransactionitem FOR EACH ROW BEGIN   SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (doctransaction est utilisé par doctransactionitem)')   WHERE NEW.rd_doctransaction_id!=0 AND NEW.rd_doctransaction_id!='' AND (SELECT id FROM doctransaction WHERE id = NEW.rd_doctransaction_id) IS NULL; END;

CREATE TRIGGER fku_doctransactionitem_doctransaction_rd_doctransaction_id_id BEFORE UPDATE ON doctransactionitem FOR EACH ROW BEGIN     SELECT RAISE(ABORT, 'Impossible de modifier un objet (doctransaction est utilisé par doctransactionitem)')       WHERE NEW.rd_doctransaction_id!=0 AND NEW.rd_doctransaction_id!='' AND (SELECT id FROM doctransaction WHERE id = NEW.rd_doctransaction_id) IS NULL; END;

CREATE TRIGGER fkdc_doctransaction_doctransactionitem_id_rd_doctransaction_id BEFORE DELETE ON doctransaction FOR EACH ROW BEGIN     DELETE FROM doctransactionitem WHERE doctransactionitem.rd_doctransaction_id = OLD.id; END;

CREATE TRIGGER fki_doctransactionmsg_doctransaction_rd_doctransaction_id_id BEFORE INSERT ON doctransactionmsg FOR EACH ROW BEGIN   SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (doctransaction est utilisé par doctransactionmsg)')   WHERE NEW.rd_doctransaction_id!=0 AND NEW.rd_doctransaction_id!='' AND (SELECT id FROM doctransaction WHERE id = NEW.rd_doctransaction_id) IS NULL; END;

CREATE TRIGGER fku_doctransactionmsg_doctransaction_rd_doctransaction_id_id BEFORE UPDATE ON doctransactionmsg FOR EACH ROW BEGIN     SELECT RAISE(ABORT, 'Impossible de modifier un objet (doctransaction est utilisé par doctransactionmsg)')       WHERE NEW.rd_doctransaction_id!=0 AND NEW.rd_doctransaction_id!='' AND (SELECT id FROM doctransaction WHERE id = NEW.rd_doctransaction_id) IS NULL; END;

CREATE TRIGGER fkdc_doctransaction_doctransactionmsg_id_rd_doctransaction_id BEFORE DELETE ON doctransactionmsg FOR EACH ROW BEGIN     DELETE FROM doctransactionmsg WHERE doctransactionmsg.rd_doctransaction_id = OLD.id; END;

CREATE TRIGGER fki_interest_account_rd_account_id_id BEFORE INSERT ON interest FOR EACH ROW BEGIN   SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (account est utilisé par interest)')   WHERE NEW.rd_account_id!=0 AND NEW.rd_account_id!='' AND (SELECT id FROM account WHERE id = NEW.rd_account_id) IS NULL; END;

CREATE TRIGGER fku_interest_account_rd_account_id_id BEFORE UPDATE ON interest FOR EACH ROW BEGIN     SELECT RAISE(ABORT, 'Impossible de modifier un objet (account est utilisé par interest)')       WHERE NEW.rd_account_id!=0 AND NEW.rd_account_id!='' AND (SELECT id FROM account WHERE id = NEW.rd_account_id) IS NULL; END;

CREATE TRIGGER fkdc_account_interest_id_rd_account_id BEFORE DELETE ON account FOR EACH ROW BEGIN     DELETE FROM interest WHERE interest.rd_account_id = OLD.id; END;

CREATE TRIGGER fki_node_node_rd_node_id_id BEFORE INSERT ON node FOR EACH ROW BEGIN
   SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (node est utilisé par node)')   WHERE NEW.rd_node_id!=0 AND NEW.rd_node_id!='' AND (SELECT id FROM node WHERE id = NEW.rd_node_id) IS NULL; END;

CREATE TRIGGER fku_node_node_rd_node_id_id BEFORE UPDATE ON node FOR EACH ROW BEGIN
   SELECT RAISE(ABORT, 'Impossible de modifier un objet (node est utilisé par node)')   WHERE NEW.rd_node_id!=0 AND NEW.rd_node_id!='' AND (SELECT id FROM node WHERE id = NEW.rd_node_id) IS NULL; END;

CREATE TRIGGER fkdc_node_node_rd_node_id_id BEFORE DELETE ON node FOR EACH ROW BEGIN     DELETE FROM node WHERE node.rd_node_id = OLD.id; END;

CREATE TRIGGER fki_node_node_rd_node_id_id BEFORE INSERT ON node FOR EACH ROW BEGIN
   SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (node est utilisé par node)')   WHERE NEW.rd_node_id!=0 AND NEW.rd_node_id!='' AND (SELECT id FROM node WHERE id = NEW.rd_node_id) IS NULL; END;

CREATE TRIGGER fku_node_node_rd_node_id_id BEFORE UPDATE ON node FOR EACH ROW BEGIN
   SELECT RAISE(ABORT, 'Impossible de modifier un objet (node est utilisé par node)')   WHERE NEW.rd_node_id!=0 AND NEW.rd_node_id!='' AND (SELECT id FROM node WHERE id = NEW.rd_node_id) IS NULL; END;

 Nom de la contrainte: fki_node_node_rd_node_id_id') WHERE NEW.rd_node_id!=0 AND NEW.rd_node_id!='' AND (SELECT id FROM node WHERE id = NEW.rd_node_id) IS NULL; END;

CREATE TRIGGER fkdc_node_node_rd_node_id_id BEFORE DELETE ON node FOR EACH ROW BEGIN     DELETE FROM node WHERE node.rd_node_id = OLD.id; END;

CREATE TRIGGER fki_interest_account_rd_account_id_id BEFORE INSERT ON interest FOR EACH ROW BEGIN
   SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (account est utilisé par interest)')   WHERE NEW.rd_account_id!=0 AND NEW.rd_account_id!='' AND (SELECT id FROM account WHERE id = NEW.rd_account_id) IS NULL; END;

CREATE TRIGGER fku_interest_account_rd_account_id_id BEFORE UPDATE ON interest FOR EACH ROW BEGIN
   SELECT RAISE(ABORT, 'Impossible de modifier un objet (account est utilisé par interest)')   WHERE NEW.rd_account_id!=0 AND NEW.rd_account_id!='' AND (SELECT id FROM account WHERE id = NEW.rd_account_id) IS NULL; END;

CREATE TRIGGER fkdc_account_interest_id_rd_account_id BEFORE DELETE ON account FOR EACH ROW BEGIN     DELETE FROM interest WHERE interest.rd_account_id = OLD.id; END;

CREATE TRIGGER fki_node_node_rd_node_id_id BEFORE INSERT ON node FOR EACH ROW BEGIN
   SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (node est utilisé par node)')   WHERE NEW.rd_node_id!=0 AND NEW.rd_node_id!='' AND (SELECT id FROM node WHERE id = NEW.rd_node_id) IS NULL; END;

CREATE TRIGGER fku_node_node_rd_node_id_id BEFORE UPDATE ON node FOR EACH ROW BEGIN
   SELECT RAISE(ABORT, 'Impossible de modifier un objet (node est utilisé par node)')   WHERE NEW.rd_node_id!=0 AND NEW.rd_node_id!='' AND (SELECT id FROM node WHERE id = NEW.rd_node_id) IS NULL; END;

 Nom de la contrainte: fku_node_node_rd_node_id_id') WHERE NEW.rd_node_id!=0 AND NEW.rd_node_id!='' AND (SELECT id FROM node WHERE id = NEW.rd_node_id) IS NULL; END;

CREATE TRIGGER fkdc_node_node_rd_node_id_id BEFORE DELETE ON node FOR EACH ROW BEGIN     DELETE FROM node WHERE node.rd_node_id = OLD.id; END;

CREATE TRIGGER fki_doctransactionitem_doctransaction_rd_doctransaction_id_id BEFORE INSERT ON doctransactionitem FOR EACH ROW BEGIN   SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (doctransaction est utilisé par doctransactionitem)')   WHERE NEW.rd_doctransaction_id!=0 AND NEW.rd_doctransaction_id!='' AND (SELECT id FROM doctransaction WHERE id = NEW.rd_doctransaction_id) IS NULL; END;

CREATE TRIGGER fku_doctransactionitem_doctransaction_rd_doctransaction_id_id BEFORE UPDATE ON doctransactionitem FOR EACH ROW BEGIN     SELECT RAISE(ABORT, 'Impossible de modifier un objet (doctransaction est utilisé par doctransactionitem)')       WHERE NEW.rd_doctransaction_id!=0 AND NEW.rd_doctransaction_id!='' AND (SELECT id FROM doctransaction WHERE id = NEW.rd_doctransaction_id) IS NULL; END;

CREATE TRIGGER fkdc_doctransaction_doctransactionitem_id_rd_doctransaction_id BEFORE DELETE ON doctransactionitem FOR EACH ROW BEGIN     DELETE FROM doctransactionitem WHERE doctransactionitem.rd_doctransaction_id = OLD.id; END;

CREATE TRIGGER fki_doctransactionmsg_doctransaction_rd_doctransaction_id_id BEFORE INSERT ON doctransactionmsg FOR EACH ROW BEGIN   SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (doctransaction est utilisé par doctransactionmsg)')   WHERE NEW.rd_doctransaction_id!=0 AND NEW.rd_doctransaction_id!='' AND (SELECT id FROM doctransaction WHERE id = NEW.rd_doctransaction_id) IS NULL; END;

CREATE TRIGGER fku_doctransactionmsg_doctransaction_rd_doctransaction_id_id BEFORE UPDATE ON doctransactionmsg FOR EACH ROW BEGIN     SELECT RAISE(ABORT, 'Impossible de modifier un objet (doctransaction est utilisé par doctransactionmsg)')       WHERE NEW.rd_doctransaction_id!=0 AND NEW.rd_doctransaction_id!='' AND (SELECT id FROM doctransaction WHERE id = NEW.rd_doctransaction_id) IS NULL; END;
CREATE TRIGGER fkdc_node_node_id_rd_node_id BEFORE DELETE ON node FOR EACH ROW BEGIN
DELETE FROM node WHERE node.rd_node_id = OLD.id; END;
CREATE TRIGGER fki_operation_account_rd_account_id_id BEFORE INSERT ON operation FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (account est utilis par operation)
Nom de la contrainte: fki_operation_account_rd_account_id_id') WHERE NEW.rd_account_id!=0 AND NEW.rd_account_id!="" AND (SELECT id FROM account WHERE id = NEW.rd_account_id) IS NULL; END;
CREATE TRIGGER fku_operation_account_rd_account_id_id BEFORE UPDATE ON operation FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible de modifier un objet (account est utilis par operation)
Nom de la contrainte: fku_operation_account_rd_account_id_id') WHERE NEW.rd_account_id!=0 AND NEW.rd_account_id!="" AND (SELECT id FROM account WHERE id = NEW.rd_account_id) IS NULL; END;
CREATE TRIGGER fkdc_account_operation_id_rd_account_id BEFORE DELETE ON account FOR EACH ROW BEGIN
DELETE FROM operation WHERE operation.rd_account_id = OLD.id; END;
CREATE TRIGGER fki_operation_payee_r_payee_id_id BEFORE INSERT ON operation FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (payee est utilis par operation)
Nom de la contrainte: fki_operation_payee_r_payee_id_id') WHERE NEW.r_payee_id!=0 AND NEW.r_payee_id!="" AND (SELECT id FROM payee WHERE id = NEW.r_payee_id) IS NULL; END;
CREATE TRIGGER fku_operation_payee_r_payee_id_id BEFORE UPDATE ON operation FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible de modifier un objet (payee est utilis par operation)
Nom de la contrainte: fku_operation_payee_r_payee_id_id') WHERE NEW.r_payee_id!=0 AND NEW.r_payee_id!="" AND (SELECT id FROM payee WHERE id = NEW.r_payee_id) IS NULL; END;
CREATE TRIGGER fkd_operation_payee_r_payee_id_id BEFORE DELETE ON payee FOR EACH ROW BEGIN
UPDATE operation SET r_payee_id=0 WHERE r_payee_id=OLD.id; END;
CREATE TRIGGER fki_operation_unit_rc_unit_id_id BEFORE INSERT ON operation FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (unit est utilis par operation)
Nom de la contrainte: fki_operation_unit_rc_unit_id_id') WHERE NEW.rc_unit_id!=0 AND NEW.rc_unit_id!="" AND (SELECT id FROM unit WHERE id = NEW.rc_unit_id) IS NULL; END;
CREATE TRIGGER fku_operation_unit_rc_unit_id_id BEFORE UPDATE ON operation FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible de modifier un objet (unit est utilis par operation)
Nom de la contrainte: fku_operation_unit_rc_unit_id_id') WHERE NEW.rc_unit_id!=0 AND NEW.rc_unit_id!="" AND (SELECT id FROM unit WHERE id = NEW.rc_unit_id) IS NULL; END;
CREATE TRIGGER fkd_operation_unit_rc_unit_id_id BEFORE DELETE ON unit FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible de dtruire un objet (unit est utilis par operation)
Nom de la contrainte: fkd_operation_unit_rc_unit_id_id') WHERE (SELECT rc_unit_id FROM operation WHERE rc_unit_id = OLD.id) IS NOT NULL; END;
CREATE TRIGGER fki_operation_recurrentoperation_r_recurrentoperation_id_id BEFORE INSERT ON operation FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (recurrentoperation est utilis par operation)
Nom de la contrainte: fki_operation_recurrentoperation_r_recurrentoperation_id_id') WHERE NEW.r_recurrentoperation_id!=0 AND NEW.r_recurrentoperation_id!="" AND (SELECT id FROM recurrentoperation WHERE id = NEW.r_recurrentoperation_id) IS NULL; END;
CREATE TRIGGER fku_operation_recurrentoperation_r_recurrentoperation_id_id BEFORE UPDATE ON operation FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible de modifier un objet (recurrentoperation est utilis par operation)
Nom de la contrainte: fku_operation_recurrentoperation_r_recurrentoperation_id_id') WHERE NEW.r_recurrentoperation_id!=0 AND NEW.r_recurrentoperation_id!="" AND (SELECT id FROM recurrentoperation WHERE id = NEW.r_recurrentoperation_id) IS NULL; END;
CREATE TRIGGER fkd_operation_recurrentoperation_r_recurrentoperation_id_id BEFORE DELETE ON recurrentoperation FOR EACH ROW BEGIN
UPDATE operation SET r_recurrentoperation_id=0 WHERE
CREATE TRIGGER fki_operationbalance_operation_r_operation_id_id BEFORE INSERT ON operationbalance FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (operation est utilis par operationbalance)') WHERE NEW.r_operation_id!=0 AND NEW.r_operation_id!="" AND (SELECT id FROM operation WHERE id = NEW.r_operation_id) IS NULL; END;
CREATE TRIGGER fku_operationbalance_operation_r_operation_id_id BEFORE UPDATE ON operationbalance FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (operation est utilis par operationbalance)') WHERE NEW.r_operation_id!=0 AND NEW.r_operation_id!="" AND (SELECT id FROM operation WHERE id = NEW.r_operation_id) IS NULL; END;
CREATE TRIGGER fkd_operationbalance_operation_r_operation_id_id BEFORE DELETE ON operation FOR EACH ROW BEGIN UPDATE operationbalance SET r_operation_id=0 WHERE r_operation_id=OLD.id; END;
CREATE TRIGGER fki_recurrentoperation_operation_rd_operation_id_id BEFORE INSERT ON recurrentoperation FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (operation est utilis par recurrentoperation)') WHERE NEW.rd_operation_id!=0 AND NEW.rd_operation_id!="" AND (SELECT id FROM operation WHERE id = NEW.rd_operation_id) IS NULL; END;
CREATE TRIGGER fku_recurrentoperation_operation_rd_operation_id_id BEFORE UPDATE ON recurrentoperation FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (operation est utilis par recurrentoperation)') WHERE NEW.rd_operation_id!=0 AND NEW.rd_operation_id!="" AND (SELECT id FROM operation WHERE id = NEW.rd_operation_id) IS NULL; END;
CREATE TRIGGER fkdc_operation_recurrentoperation_id_rd_operation_id BEFORE DELETE ON operation FOR EACH ROW BEGIN DELETE FROM recurrentoperation WHERE recurrentoperation.rd_operation_id = OLD.id; END;
CREATE TRIGGER fki_suboperation_operation_rd_operation_id_id BEFORE INSERT ON suboperation FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (operation est utilis par suboperation)') WHERE NEW.rd_operation_id!=0 AND NEW.rd_operation_id!="" AND (SELECT id FROM operation WHERE id = NEW.rd_operation_id) IS NULL; END;
CREATE TRIGGER fku_suboperation_operation_rd_operation_id_id BEFORE UPDATE ON suboperation FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (operation est utilis par suboperation)') WHERE NEW.rd_operation_id!=0 AND NEW.rd_operation_id!="" AND (SELECT id FROM operation WHERE id = NEW.rd_operation_id) IS NULL; END;
CREATE TRIGGER fkdc_operation_suboperation_id_rd_operation_id BEFORE DELETE ON operation FOR EACH ROW BEGIN DELETE FROM suboperation WHERE suboperation.rd_operation_id = OLD.id; END;
CREATE TRIGGER fki_suboperation_category_r_category_id_id BEFORE INSERT ON suboperation FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (category est utilis par suboperation)') WHERE NEW.r_category_id!=0 AND NEW.r_category_id!="" AND (SELECT id FROM category WHERE id = NEW.r_category_id) IS NULL; END;
CREATE TRIGGER fku_suboperation_category_r_category_id_id BEFORE UPDATE ON suboperation FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (category est utilis par suboperation)') WHERE NEW.r_category_id!=0 AND NEW.r_category_id!="" AND (SELECT id FROM category WHERE id = NEW.r_category_id) IS NULL; END;
CREATE TRIGGER fku_suboperation_category_r_category_id_id BEFORE UPDATE ON suboperation FOR EACH ROW BEGIN     SELECT RAISE(ABORT, 'Impossible de modifier un objet (category est utilis par suboperation)') WHERE NEW.r_category_id!=0 AND NEW.r_category_id!='' AND (SELECT id FROM category WHERE id = NEW.r_category_id) IS NULL; END;

CREATE TRIGGER fkd_suboperation_category_r_category_id_id BEFORE DELETE ON category FOR EACH ROW BEGIN     UPDATE suboperation SET r_category_id=OLD.id WHERE r_category_id=NEW.id; END;

CREATE TRIGGER fki_suboperation_refund_r_refund_id_id BEFORE INSERT ON suboperation FOR EACH ROW BEGIN     SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (refund est utilis par suboperation)') WHERE NEW.r_refund_id!=0 AND NEW.r_refund_id!='' AND (SELECT id FROM refund WHERE id = NEW.r_refund_id) IS NULL; END;

CREATE TRIGGER fku_suboperation_refund_r_refund_id_id BEFORE UPDATE ON suboperation FOR EACH ROW BEGIN     SELECT RAISE(ABORT, 'Impossible de modifier un objet (refund est utilis par suboperation)') WHERE NEW.r_refund_id!=0 AND NEW.r_refund_id!='' AND (SELECT id FROM refund WHERE id = NEW.r_refund_id) IS NULL; END;

CREATE TRIGGER fkd_suboperation_refund_r_refund_id_id BEFORE DELETE ON refund FOR EACH ROW BEGIN     UPDATE suboperation SET r_refund_id=0 WHERE r_refund_id=OLD.id; END;

CREATE TRIGGER fki_unit_unit_rd_unit_id_id BEFORE INSERT ON unit FOR EACH ROW BEGIN     SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (unit est utilis par unit)') WHERE NEW.rd_unit_id!=0 AND NEW.rd_unit_id!='' AND (SELECT id FROM unit WHERE id = NEW.rd_unit_id) IS NULL; END;

CREATE TRIGGER fku_unit_unit_rd_unit_id_id BEFORE UPDATE ON unit FOR EACH ROW BEGIN     SELECT RAISE(ABORT, 'Impossible de modifier un objet (unit est utilis par unit)') WHERE NEW.rd_unit_id!=0 AND NEW.rd_unit_id!='' AND (SELECT id FROM unit WHERE id = NEW.rd_unit_id) IS NULL; END;

CREATE TRIGGER fkdc_unit_unit_id_rd_unit_id BEFORE DELETE ON unit FOR EACH ROW BEGIN     DELETE FROM unitvalue WHERE unitvalue.rd_unit_id = OLD.id; END;

CREATE TRIGGER fki_unitvalue_unit_rd_unit_id_id BEFORE INSERT ON unitvalue FOR EACH ROW BEGIN     SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (unit est utilis par unitvalue)') WHERE NEW.rd_unit_id!=0 AND NEW.rd_unit_id!='' AND (SELECT id FROM unit WHERE id = NEW.rd_unit_id) IS NULL; END;

CREATE TRIGGER fku_unitvalue_unit_rd_unit_id_id BEFORE UPDATE ON unitvalue FOR EACH ROW BEGIN     SELECT RAISE(ABORT, 'Impossible de modifier un objet (unit est utilis par unitvalue)') WHERE NEW.rd_unit_id!=0 AND NEW.rd_unit_id!='' AND (SELECT id FROM unit WHERE id = NEW.rd_unit_id) IS NULL; END;

CREATE TRIGGER fkdc_unitvalue_unit_id_rd_unit_id BEFORE DELETE ON unitvalue FOR EACH ROW BEGIN     DELETE FROM unitvalue WHERE unitvalue.rd_unit_id = OLD.id; END;

CREATE TRIGGER fkd_vm_budget_tmp_category_rc_category_id_id BEFORE DELETE ON category FOR EACH ROW BEGIN     SELECT RAISE(ABORT, 'Impossible de dtuir un objet (category est utilis par vm_budget_tmp)') WHERE (SELECT rc_category_id FROM vm_budget_tmp WHERE rc_category_id = OLD.id) IS NOT NULL; END;

CREATE TRIGGER fkdc_category_vm_category_display_tmp_id_rd_category_id BEFORE DELETE ON category FOR EACH ROW BEGIN     DELETE FROM vm_category_display_tmp WHERE vm_category_display_tmp.rd_category_id = OLD.id; END;

CREATE VIEW v_unit_displayname AS SELECT *, t_name||' ('||t_symbol||')' AS t_displayname FROM unit;

CREATE VIEW v_unit_tmp1 AS SELECT *, (SELECT count(*) FROM unitvalue s WHERE s.rd_unit_id=unit.id) AS i_NBVALUES, (CASE WHEN unit.rd_unit_id=0 THEN '' ELSE (SELECT (CASE WHEN s.t_symbol='' THEN ' ' ELSE s.t_symbol END) AS s_symbol FROM unitvalue s WHERE s.rd_unit_id=unit.id) END) AS s_symbol FROM unit;

CREATE VIEW v_unit_tmp AS SELECT *, (SELECT count(*) FROM unitvalue s WHERE s.rd_unit_id=unit.id) AS i_NBVALUES, (CASE WHEN unit.rd_unit_id=0 THEN '' ELSE (SELECT (CASE WHEN s.t_symbol='' THEN ' ' ELSE s.t_symbol END) AS s_symbol FROM unitvalue s WHERE s.rd_unit_id=unit.id) END) AS s_symbol FROM unit;

CREATE VIEW v_unit AS SELECT *, (SELECT count(*) FROM unitvalue s WHERE s.rd_unit_id=unit.id) AS i_NBVALUES, (CASE WHEN unit.rd_unit_id=0 THEN '' ELSE (SELECT (CASE WHEN s.t_symbol='' THEN ' ' ELSE s.t_symbol END) AS s_symbol FROM unitvalue s WHERE s.rd_unit_id=unit.id) END) AS s_symbol FROM unit;

CREATE VIEW v_unit AS SELECT t.t_name, t.t_symbol, t.t_displayname, t.t_price, t.t_value, t.t_currency, t.t_unit FROM unit t;
CREATE VIEW v_account_displayname AS SELECT *, (SELECT t_displayname FROM v_bank_displayname WHERE account.rd_bank_id=v_bank_displayname.id) || t_name AS t_displayname FROM account;
CREATE VIEW v_bank AS SELECT *,(SELECT TOTAL(s.f_CURRENTAMOUNT) FROM v_account s WHERE s.rd_bank_id=bank.id) AS f_CURRENTAMOUNT FROM bank;
CREATE VIEW v_category_displayname AS SELECT *, t_fullname AS t_displayname FROM category;
CREATE VIEW v_category AS SELECT * FROM category;
CREATE VIEW v_recurrentoperation AS SELECT *,i_period_increment||' '||(CASE t_period_unit WHEN 'Y' THEN 'année(s)' WHEN 'M' THEN 'mois' WHEN 'W' THEN 'semaine(s)' ELSE 'jour(s)' END) AS t_PERIODNLs FROM recurrentoperation;
CREATE VIEW v_recurrentoperation_displayname AS SELECT *, STRFTIME('%d/%m/%Y',d_date)||SUBSTR((SELECT t_displayname FROM v_operation_displayname WHERE v_operation_displayname.id=v_recurrentoperation.rd_operation_id), 11) AS t_displayname FROM v_recurrentoperation;
CREATE VIEW v_unitvalue_display AS SELECT *,IFNULL((SELECT (CASE WHEN s.t_symbol!='' THEN s.t_symbol ELSE s.t_name END) FROM unit s WHERE s.id=(SELECT s2.rd_unit_id FROM unit s2 WHERE s2.id=unitvalue.rd_unit_id)),")' AS t_UNIT,STRFTIME('%Y-%m',unitvalue.d_date) AS d_DATEMONTH,STRFTIME('%Y',unitvalue.d_date) AS d_DATEYEAR FROM unitvalue;
CREATE VIEW v_suboperation_display AS SELECT *,IFNULL((SELECT s.t_fullname FROM category s WHERE s.id=v_suboperation.r_category_id),")' AS t_CATEGORY, IFNULL((SELECT s.t_name FROM refund s WHERE s.id=v_suboperation.r_refund_id),")' AS t_REFUND, (CASE WHEN v_suboperation.f_value>=0 THEN v_suboperation.f_value ELSE 0 END) AS f_VALUE_INCOME, (CASE WHEN v_suboperation.f_value<=0 THEN v_suboperation.f_value ELSE 0 END) AS f_VALUE_EXPENSE FROM v_suboperation;
CREATE VIEW v_suboperation_displayname AS SELECT *, t_CATEGORY||' : '||f_value AS t_displayname FROM v_suboperation_display;
CREATE VIEW v_operation_display_all AS SELECT *,(SELECT s.t_name FROM account s WHERE s.id=v_operation.rd_account_id) AS t_ACCOUNT,(SELECT (CASE WHEN s.t_symbol!='' THEN s.t_symbol ELSE s.t_name END) FROM unit s WHERE s.id=v_operation.rc_unit_id) AS t_UNIT,(SELECT s.t_CATEGORY FROM v_suboperation_display s WHERE s.id=v_operation.i_MOSTIMPSUBOP) AS t_CATEGORY,(SELECT s.t_REFUND FROM v_suboperation_display s WHERE s.id=v_operation.i_MOSTIMPSUBOP) AS t_REFUND,(CASE WHEN v_operation.f_QUANTITY<0 THEN '-' WHEN v_operation.f_QUANTITY=0 THEN '' ELSE '+' END) AS t_TYPEEXPENSE, (CASE WHEN v_operation.f_QUANTITY<=0 THEN 'Dépense' ELSE 'Revenu' END) AS t_TYPEEXPENSENLs, STRFTIME('%Y-W%W',v_operation.d_date) AS d_DATEWEEK,STRFTIME('%Y-%m',v_operation.d_date) AS d_DATEMONTH,STRFTIME('%Y',v_operation.d_date)||'-Q'||(CASE WHEN STRFTIME('%m',v_operation.d_date)<='03' THEN '1' WHEN STRFTIME('%m',v_operation.d_date)<='06' THEN '2' WHEN STRFTIME('%m',v_operation.d_date)<='09' THEN '3' ELSE '4' END) AS d_DATEQUARTER, STRFTIME('%Y',v_operation.d_date)||'-S'||(CASE WHEN STRFTIME('%m',v_operation.d_date)<='06' THEN '1' ELSE '2' END) AS d_DATESEMESTER, STRFTIME('%Y',v_operation.d_date) AS d_DATEYEAR, (SELECT count(*) FROM v_recurrentoperation s WHERE s.rd_operation_id=v_operation.id) AS i_NBRECURRENT, (CASE WHEN v_operation.f_QUANTITY>=0 THEN v_operation.f_QUANTITY ELSE 0 END) AS f_QUANTITY_INCOME, (CASE WHEN v_operation.f_QUANTITY<=0 THEN v_operation.f_QUANTITY ELSE 0 END) AS f_QUANTITY_EXPENSE, (SELECT o2.f_balance FROM operationbalance o2 WHERE o2.r_operation_id=v_operation.id ) AS f_BALANCE, (CASE WHEN v_operation.f_QUANTITY>=0 THEN v_operation.f_CURRENTAMOUNT ELSE 0 END) AS f_CURRENTAMOUNT_INCOME, (CASE WHEN v_operation.f_QUANTITY<=0 THEN v_operation.f_CURRENTAMOUNT ELSE 0 END) AS f_CURRENTAMOUNT_EXPENSE FROM v_operation;
CREATE VIEW v_operation_template_display AS SELECT * FROM v_operation_display_all WHERE t_template='Y';
CREATE VIEW v_operation_display AS SELECT * FROM v_operation_display_all WHERE d_date!='0000-00-00' AND t_template='N';
CREATE VIEW v_unit_display AS SELECT *,(SELECT TOTAL(o.f_QUANTITY) FROM v_operation_display o WHERE o.rc_unit_id=v_unit.id) AS f_QUANTITYOWNED FROM v_unit;
CREATE VIEW v_account_display AS SELECT (CASE t_type WHEN 'C' THEN 'Courant' WHEN 'D' THEN 'Carte de crédit' WHEN 'A' THEN 'Actif' WHEN 'I' THEN 'Investissement' WHEN 'W' THEN 'Portefeuille' WHEN 'L' THEN 'Prt' WHEN 'O' THEN 'Autre' END) AS t_TYPENLS,bank.t_name AS t_BANK,bank.t_bank_number AS t_BANK_NUMBER,bank.t_icon AS t_ICON,v_account.*,(v_account.f_CURRENTAMOUNT)/((SELECT u.f_CURRENTAMOUNT FROM v_unit u, operation s WHERE u.id=s.rc_unit_id AND s.rd_account_id=v_account.id AND s.d_date='0000-00-00') AS f_QUANTITY, (SELECT (CASE WHEN u.t_symbol!='' THEN u.t_symbol ELSE u.t_name END) FROM unit u, operation s WHERE u.id=s.rc_unit_id AND s.rd_account_id=v_account.id AND s.d_date='0000-00-00') AS t_UNIT, (SELECT TOTAL(s.f_CURRENTAMOUNT) FROM v_operation s WHERE s.rd_account_id=v_account.id AND s.t_status='N' AND s.t_template='N') AS f_CHECKED, (SELECT COUNT(*) FROM v_operation_display s WHERE s.rd_account_id=v_account.id AND s.d_date='0000-00-00') AS i_NBOPERATIONS, IFNULL((SELECT s.f_rate FROM interest s WHERE s.rd_account_id=v_account.id AND s.d_date=v_account.d_MAXDATE),0) AS f_RATE FROM v_account, bank WHERE bank.id=v_account.rd_bank_id;
CREATE VIEW v_operation_consolidated AS SELECT (SELECT s.t_TYPENLS FROM v_account_display s WHERE s.id=op.rd_account_id) AS t_ACCOUNTTYPE,(SELECT u.t_TYPENLS FROM v_unit u WHERE u.id=op.rc_unit_id) AS t_UNITTYPE,sop.id AS i_SUBOPID, sop.r_refund_id AS r_refund_id, (CASE WHEN sop.t_comment='' THEN op.t_comment ELSE sop.t_comment END) AS t_REALCOMMENT, sop.t_CATEGORY AS t_REALCATEGORY, sop.t_REFUND AS t_REALREFUND, sop.r_category_id AS i_IDCATEGORY, (CASE WHEN sop.f_value<0 THEN '-' WHEN sop.f_value=0 THEN '' ELSE '+' END) AS t_TYPEEXPENSE, (CASE WHEN sop.f_value<0 THEN 'Dépense' WHEN sop.f_value=0 THEN '' ELSE 'Revenu' END) AS t_TYPEEXPENSENLS, sop.f_value AS f_REALQUANTITY, sop.f_VALUE_INCOME AS f_REALQUANTITY_INCOME, sop.f_VALUE_EXPENSE AS f_REALQUANTITY_EXPENSE, ((SELECT u.f_CURRENTAMOUNT FROM v_unit u WHERE u.id=op.rc_unit_id)*sop.f_value) AS f_REALCURRENTAMOUNT, ((SELECT u.f_CURRENTAMOUNT FROM v_unit u WHERE u.id=op.rc_unit_id)*sop.f_VALUE_INCOME) AS f_REALCURRENTAMOUNT_INCOME, ((SELECT u.f_CURRENTAMOUNT FROM v_unit u WHERE u.id=op.rc_unit_id)*sop.f_VALUE_EXPENSE) AS f_REALCURRENTAMOUNT_EXPENSE, op.* FROM v_operation_display_all AS op, v_suboperation_display AS sop WHERE op.t_template='N' AND sop.r_operation_id=op.id;
CREATE VIEW v_operation_prop AS SELECT p.id AS i_PROPPID, p.t_name AS i_PROPPNAME, p.t_value AS i_PROPVALUE, op.* FROM v_operation_consolidated AS op LEFT OUTER JOIN parameters AS p ON p.t_uuid_parent=op.id||'-operation';
CREATE VIEW v_refund_delete AS SELECT *, (CASE WHEN EXISTS(SELECT 1 FROM v_operation_consolidated WHERE r_refund_id=refund.id AND t_status='Y') THEN 'Vous n''etes pas autorisé d''effacer ce virement car il est utilisé par des opérations rapprochées' END) t_delete_message FROM refund;
CREATE VIEW v_refund AS SELECT *, (SELECT TOTAL(o.f_REALCURRENTAMOUNT) FROM v_operation_consolidated o WHERE o.r_refund_id=refund.id) AS f_REALCURRENTAMOUNT FROM refund;
CREATE VIEW v_refund_display AS SELECT *,(SELECT MIN(o.d_date) FROM v_operation_consolidated o WHERE o.r_refund_id=refund.id) AS d_FIRSTDATE, (SELECT MAX(o.d_date) FROM v_operation_consolidated o WHERE o.r_refund_id=refund.id) AS d_LASTDATE FROM refund;
CREATE VIEW v_refund_displayname AS SELECT *, t_name AS t_displayname FROM refund;
CREATE VIEW v_payee_delete AS SELECT *, (CASE WHEN EXISTS(SELECT 1 FROM operation WHERE r_payee_id=payee.id AND t_status='Y') THEN 'Vous n’êtes pas autorisés à dtruire ce tiers car utilisés par des opérations rapprochées' END) t_delete_message FROM payee;
CREATE VIEW v_payee AS SELECT *, (SELECT TOTAL(o.f_CURRENTAMOUNT) FROM v_operation o WHERE o_r_payee_id=payee.id AND o_t_template='N') AS f_CURRENTAMOUNT FROM payee;
CREATE VIEW v_payee_display AS SELECT * FROM v_payee;
CREATE VIEW v_payee_displayname AS SELECT *, t_name AS t_displayname FROM payee;
CREATE VIEW v_category_delete AS SELECT *, (CASE WHEN EXISTS(SELECT 1 FROM v_operation_consolidated WHERE (t_REALCATEGORY=category.t_fullname OR t_REALCATEGORY like category.t_fullname||'%') AND t_status='Y') THEN 'Vous n’êtes pas autorisés à dtruire cette catégorie car utilisée par des opérations rapprochées' END) t_delete_message FROM category;
CREATE VIEW v_category_display_tmp AS SELECT *, (SELECT count(distinct(so.rd_operation_id)) FROM operation o, subopération so WHERE so.rd_operation_id=o.id AND so.r_category_id=v_category.ID AND o_t_template='N') AS i_NBOPERATIONS, (SELECT TOTAL(o.f_REALCURRENTAMOUNT) FROM v_operation_consolidated o WHERE o_i_IDCATEGORY=v_category.ID) AS f_REALCURRENTAMOUNT FROM v_category;
CREATE VIEW v_category_display AS SELECT *, f_REALCURRENTAMOUNT+(SELECT TOTAL(c.f_REALCURRENTAMOUNT) FROM vm_category_display_tmp c WHERE c.t_fullname LIKE vm_category_display_tmp.t_fullname||' > %') AS f_SUMCURRENTAMOUNT, i_NBOPERATIONS+(SELECT CAST(TOTAL(c.i_NBOPERATIONS) AS INTEGER) FROM vm_category_display_tmp c WHERE c.t_fullname LIKE vm_category_display_tmp.t_fullname||' > %') AS i_SUMNBOPERATIONS, (CASE WHEN t_bookmarked='Y' THEN 'Y' WHEN EXISTS(SELECT 1 FROM category c WHERE c.t_bookmarked='Y' AND c.t_fullname like vm_category_display_tmp.t_fullname||' > %') THEN 'C' ELSE 'N' END) AS t_HASBOOKMARKEDCHILD,
(CASE WHEN vm_category_display_tmp.f_REALCURRENTAMOUNT<0 THEN '-' WHEN vm_category_display_tmp.f_REALCURRENTAMOUNT=0 THEN '' ELSE '+' END) AS t_TYPEEXPENSE, (CASE WHEN vm_category_display_tmp.f_REALCURRENTAMOUNT<0 THEN 'Dpense' WHEN vm_category_display_tmp.f_REALCURRENTAMOUNT<0 THEN 'Dpense' WHEN vm_category_display_tmp.f_REALCURRENTAMOUNT=0 THEN '' ELSE 'Revenu' END) AS t_TYPEEXPENSENL FROM vm_category_display_tmp;
CREATE VIEW v_recurrentoperation_display AS SELECT rop.*, op.t_ACCOUNT, op.i_number, op.t_mode, op_i_group_id, op_t_TRANSFER, op_t_PAYEE, op_t_comment, op_t_CATEGORY, op_t_status, op.f_CURRENTAMOUNT FROM v_recurrentoperation rop, v_operation_display_all AS op WHERE rop.rd_operation_id=op.ID;
CREATE VIEW v_rule AS SELECT *, (SELECT COUNT(1) FROM rule r WHERE r.f_sortorder<=rule.f_sortorder) AS i_ORDER FROM rule;
CREATE VIEW v_rule_displayname AS SELECT *, t_definition AS t_displayname FROM rule;
CREATE VIEW v_interest AS SELECT *, (SELECT s.t_name FROM account s WHERE s.id=interest.rd_account_id) AS t_ACCOUNT FROM interest;
CREATE VIEW v_interest_displayname AS SELECT *, STRFTIME('%d/%m/%Y',d_date)||' '||f_rate||'%' AS t_displayname FROM interest;
CREATE VIEW v_budgetrule AS SELECT *, IFNULL((SELECT s.t_fullname FROM category s WHERE s.id=budgetrule.rc_category_id),') AS t_CATEGORYCONDITION, IFNULL((SELECT s.t_fullname FROM category s WHERE s.id=budgetrule.rc_category_id_target),') AS t_CATEGORY, (CASE WHEN budgetrule_i_condition=-1 THEN 'Négatif' WHEN budgetrule_i_condition=1 THEN 'Positif' WHEN budgetrule_i_condition=0 THEN 'Tous' END) AS t_WHENNLS, f_quantity||(CASE WHEN budgetrule_t_absolute='N' THEN '' ELSE (SELECT t_symbol FROM unit WHERE t_type='1') END) AS t_WHATNLS,(CASE WHEN budgetrule_t_rule='N' THEN 'Suivant' WHEN budgetrule_t_rule='C' THEN 'Courant' WHEN budgetrule_t_rule='Y' THEN 'Anne' END) AS t_RULENLS FROM budgetrule;
CREATE VIEW v_budgetrule_display AS SELECT * FROM v_budgetrule;
CREATE VIEW v_budgetrule_displayname AS SELECT *, t_WHENNLS || ' ' || t_WHATNLS || ' ' || t_RULENLS || ' ' || t_CATEGORY AS t_displayname FROM v_budgetrule;

CREATE VIEW v_budget_tmp AS SELECT *, IFNULL((SELECT s.t_fullname FROM category s WHERE s.id=budget.rc_category_id),"") AS t_CATEGORY, (i_year||(CASE WHEN i_month=0 THEN '' WHEN i_month<10 THEN '0'||[i_month ELSE '-'][i_month END])) AS t_PERIOD, (SELECT TOTAL(o.f_REALCURRENTAMOUNT) FROM v_operation_consolidated o WHERE STRFTIME('%Y', o.d_date)=i_year AND (i_month=0 OR STRFTIME('%m', o.d_date)=i_month) AND o.i_IDCATEGORY IN (SELECT b2.id_category FROM budgetcategory b2 WHERE b2.id=budget.id)) AS f_CURRENTAMOUNT, (SELECT GROUP_CONCAT(v_budgetrule_displayname.t_displayname, ',') FROM v_budgetrule_displayname WHERE (v_budgetrule_displayname.t_year_condition='N' OR budget.i_year=v_budgetrule_displayname.i_year) AND (v_budgetrule_displayname.t_month_condition='N' OR budget.i_month=v_budgetrule_displayname.i_month) AND (v_budgetrule_displayname.t_category_condition='N' OR budget.rc_category_id=v_budgetrule_displayname.rc_category_id)) ORDER BY v_budgetrule_displayname.t_absolute DESC, v_budgetrule_displayname.id

CREATE VIEW v_budget AS SELECT *, (f_CURRENTAMOUNT-f_budgeted_modified) AS f_DELTABEFORETRANSFER, (f_CURRENTAMOUNT-f_budgeted_modified-f_transferred) AS f_DELTA FROM v_budget_tmp;

CREATE VIEW v_budget_display AS SELECT *, (f_CURRENTAMOUNT-f_budgeted_modified) AS f_DELTABEFORETRANSFER, (f_CURRENTAMOUNT-f_budgeted_modified-f_transferred) AS f_DELTA FROM vm_budget_tmp;

CREATE VIEW v_budget_displayname AS SELECT *, t_CATEGORY||' '||t_PERIOD||' '||f_budgeted_modified AS t_displayname FROM v_budget;

CREATE TRIGGER fkdc_bank_parameters_uuid BEFORE DELETE ON bank FOR EACH ROW BEGIN
  DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'bank';
END;

CREATE TRIGGER fkdc_account_parameters_uuid BEFORE DELETE ON account FOR EACH ROW BEGIN
  DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'account';
END;

CREATE TRIGGER fkdc_unit_parameters_uuid BEFORE DELETE ON unit FOR EACH ROW BEGIN
  DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'unit';
END;

CREATE TRIGGER fkdc_unitvalue_parameters_uuid BEFORE DELETE ON unitvalue FOR EACH ROW BEGIN
  DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'unitvalue';
END;

CREATE TRIGGER fkdc_category_parameters_uuid BEFORE DELETE ON category FOR EACH ROW BEGIN
  DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'category';
END;

CREATE TRIGGER fkdc_operation_parameters_uuid BEFORE DELETE ON operation FOR EACH ROW BEGIN
  DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'operation';
END;

CREATE TRIGGER fkdc_interest_parameters_uuid BEFORE DELETE ON interest FOR EACH ROW BEGIN
  DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'interest';
END;

CREATE TRIGGER fkdc_suboperation_parameters_uuid BEFORE DELETE ON suboperation FOR EACH ROW BEGIN
  DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'suboperation';
END;

CREATE TRIGGER fkdc_refund_parameters_uuid BEFORE DELETE ON refund FOR EACH ROW BEGIN
  DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'refund';
END;

CREATE TRIGGER fkdc_payee_parameters_uuid BEFORE DELETE ON payee FOR EACH ROW BEGIN
  DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'payee';
END;

CREATE TRIGGER fkdc_recurrentoperation_parameters_uuid BEFORE DELETE ON recurrentoperation FOR EACH ROW BEGIN
  DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'recurrentoperation';
END;

CREATE TRIGGER fkdc_rule_parameters_uuid BEFORE DELETE ON rule FOR EACH ROW BEGIN
  DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'rule';
END;

CREATE TRIGGER fkdc_budget_parameters_uuid BEFORE DELETE ON budget FOR EACH ROW BEGIN
CREATE TRIGGER fkdc_budgetrule_parameters_uuid BEFORE DELETE ON budgetrule FOR EACH ROW
BEGIN
    DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'budget';
END;

CREATE TRIGGER fkdc_category_delete BEFORE DELETE ON category FOR EACH ROW
BEGIN
    UPDATE suboperation SET r_category_id=OLD.rd_category_id WHERE r_category_id=OLD.id;
END;

CREATE TRIGGER cpt_category_fullname1 AFTER INSERT ON category BEGIN
    UPDATE category SET t_fullname=CASE WHEN rd_category_id IS NULL OR rd_category_id='' OR rd_category_id=0 THEN new.t_name ELSE (SELECT c.t_fullname FROM category c WHERE c.id=new.rd_category_id)||' > '||new.t_name END WHERE id=new.id; END;

CREATE TRIGGER cpt_category_fullname2 AFTER UPDATE OF t_name, rd_category_id ON category BEGIN
    UPDATE category SET t_fullname=CASE WHEN rd_category_id IS NULL OR rd_category_id='' OR rd_category_id=0 THEN new.t_name ELSE (SELECT c.t_fullname FROM category c WHERE c.id=new.rd_category_id)||' > '||new.t_name END WHERE id=new.id; END;

CREATE TRIGGER fkdc_category_delete BEFORE DELETE ON category FOR EACH ROW
BEGIN
    UPDATE suboperation SET r_category_id=OLD.rd_category_id WHERE r_category_id=OLD.id;
END;

EXPLAIN
SELECT TOTAL(f_CURRENTAMOUNT), d_DATEMONTH
from v_operation_display
WHERE d_DATEMONTH IN ('2012-05', '2012-04')
group by d_DATEMONTH, t_TYPEEXPENSE;

} {/.* Goto .*/}

# The next test requires FTS4
ifcapable !fts3 {
    finish_test
    return
}

# Taken from the gnome-shell project
#
# db close
forcedelete test.db
sqlite3 db test.db
do_test fuzz-oss1-gnomeshell {
    db eval {
CREATE TABLE Resource (ID INTEGER NOT NULL PRIMARY KEY, Uri TEXT NOT NULL, UNIQUE (Uri));
CREATE VIRTUAL TABLE fts USING fts4;
CREATE TABLE "mfo:Action" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mfo:Enclosure" (ID INTEGER NOT NULL PRIMARY KEY, "mfo:remoteLink" INTEGER, "mfo:remoteLink:graph" INTEGER,
"mfo:groupDefault" INTEGER, "mfo:groupDefault:graph" INTEGER,
"mfo:localLink" INTEGER, "mfo:localLink:graph" INTEGER, "mfo:optional" INTEGER, "mfo:optional:graph" INTEGER);
CREATE TABLE "mfo:FeedChannel" (ID INTEGER NOT NULL PRIMARY KEY, "mfo:updatedTime" INTEGER, "mfo:updatedTime:graph" INTEGER,
"mfo:unreadCount" INTEGER, "mfo:unreadCount:graph" INTEGER,}
CREATE TABLE "mfo:FeedElement" (ID INTEGER NOT NULL PRIMARY KEY, "mfo:image" TEXT COLLATE NOCASE, "mfo:image:graph" INTEGER, "mfo:feedSettings" INTEGER, "mfo:feedSettings:graph" INTEGER);
CREATE TABLE "mfo:FeedMessage" (ID INTEGER NOT NULL PRIMARY KEY, "mfo:downloadedTime" INTEGER, "mfo:downloadedTime:graph" INTEGER, "mfo:downloadedTime:localDate" INTEGER, "mfo:downloadedTime:localTime" INTEGER);
CREATE TABLE "mfo:FeedMessage_mfo:enclosureList" (ID INTEGER NOT NULL, "mfo:enclosureList" INTEGER NOT NULL, "mfo:enclosureList:graph" INTEGER);
CREATE TABLE "mfo:FeedType" (ID INTEGER NOT NULL PRIMARY KEY, "mfo:name" TEXT COLLATE NOCASE, "mfo:name:graph" INTEGER);
CREATE TABLE "mlo:GeoBoundingBox" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mlo:GeoBoundingBox_mlo:bbNorthWest" (ID INTEGER NOT NULL, "mlo:bbNorthWest" INTEGER NOT NULL, "mlo:bbNorthWest:graph" INTEGER);
CREATE TABLE "mlo:GeoBoundingBox_mlo:bbSouthEast" (ID INTEGER NOT NULL, "mlo:bbSouthEast" INTEGER NOT NULL, "mlo:bbSouthEast:graph" INTEGER);
CREATE TABLE "mlo:GeoLocation" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mlo:GeoLocation_mlo:asBoundingBox" (ID INTEGER NOT NULL, "mlo:asBoundingBox" INTEGER NOT NULL, "mlo:asBoundingBox:graph" INTEGER);
CREATE TABLE "mlo:GeoLocation_mlo:asGeoPoint" (ID INTEGER NOT NULL, "mlo:asGeoPoint" INTEGER NOT NULL, "mlo:asGeoPoint:graph" INTEGER);
CREATE TABLE "mlo:GeoLocation_mlo:asPostalAddress" (ID INTEGER NOT NULL, "mlo:asPostalAddress" INTEGER NOT NULL, "mlo:asPostalAddress:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mlo:GeoPoint_mlo:address" (ID INTEGER NOT NULL, "mlo:address" TEXT NOT NULL, "mlo:address:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:altitude" (ID INTEGER NOT NULL, "mlo:altitude" REAL NOT NULL, "mlo:altitude:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:city" (ID INTEGER NOT NULL, "mlo:city" TEXT NOT NULL, "mlo:city:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:country" (ID INTEGER NOT NULL, "mlo:country" TEXT NOT NULL, "mlo:country:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:latitude" (ID INTEGER NOT NULL, "mlo:latitude" REAL NOT NULL, "mlo:latitude:graph" INTEGER);
<table>
<thead>
<tr>
<th>SQL Statement</th>
</tr>
</thead>
<tbody>
<tr>
<td>CREATE TABLE &quot;mlo:GeoPoint_mlo:longitude&quot; (ID INTEGER NOT NULL,</td>
</tr>
<tr>
<td>&quot;mlo:longitude&quot; REAL NOT NULL, &quot;mlo:longitude:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>CREATE TABLE &quot;mlo:GeoPoint_mlo:state&quot; (ID INTEGER NOT NULL,</td>
</tr>
<tr>
<td>&quot;mlo:state&quot; TEXT NOT NULL, &quot;mlo:state:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>CREATE TABLE &quot;mlo:GeoPoint_mlo:timestamp&quot; (ID INTEGER NOT NULL,</td>
</tr>
<tr>
<td>&quot;mlo:timestamp&quot; INTEGER NOT NULL, &quot;mlo:timestamp:graph&quot; INTEGER,</td>
</tr>
<tr>
<td>&quot;mlo:timestamp:localDate&quot; INTEGER NOT NULL, &quot;mlo:timestamp:localTime&quot;</td>
</tr>
<tr>
<td>INTEGER NOT NULL);</td>
</tr>
<tr>
<td>CREATE TABLE &quot;mlo:GeoSphere&quot; (ID INTEGER NOT NULL PRIMARY KEY);</td>
</tr>
<tr>
<td>CREATE TABLE &quot;mlo:GeoSphere_mlo:radius&quot; (ID INTEGER NOT NULL,</td>
</tr>
<tr>
<td>&quot;mlo:radius&quot; REAL NOT NULL, &quot;mlo:radius:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>CREATE TABLE &quot;mlo:Landmark&quot; (ID INTEGER NOT NULL PRIMARY KEY);</td>
</tr>
<tr>
<td>CREATE TABLE &quot;mlo:LandmarkCategory&quot; (ID INTEGER NOT NULL PRIMARY KEY);</td>
</tr>
<tr>
<td>CREATE TABLE &quot;mlo:LandmarkCategory_mlo:isRemovable&quot; (ID INTEGER NOT</td>
</tr>
<tr>
<td>NULL, &quot;mlo:isRemovable&quot; INTEGER NOT NULL, &quot;mlo:isRemovable:graph&quot;</td>
</tr>
<tr>
<td>INTEGER);</td>
</tr>
<tr>
<td>CREATE TABLE &quot;mlo:Landmark_mlo:belongsToCategory&quot; (ID INTEGER NOT NULL,</td>
</tr>
<tr>
<td>&quot;mlo:belongsToCategory&quot; INTEGER NOT NULL, &quot;mlo:belongsToCategory:graph&quot;</td>
</tr>
<tr>
<td>INTEGER);</td>
</tr>
<tr>
<td>CREATE TABLE &quot;mlo:Landmark_mlo:poiLocation&quot; (ID INTEGER NOT NULL,</td>
</tr>
<tr>
<td>&quot;mlo:poiLocation&quot; INTEGER NOT NULL, &quot;mlo:poiLocation:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>CREATE TABLE &quot;mlo:LocationBoundingBox&quot; (ID INTEGER NOT NULL PRIMARY KEY);</td>
</tr>
<tr>
<td>CREATE TABLE &quot;mlo:LocationBoundingBox_mlo:boxEastLimit&quot; (ID INTEGER</td>
</tr>
<tr>
<td>NOT NULL, &quot;mlo:boxEastLimit&quot; INTEGER NOT NULL, &quot;mlo:boxEastLimit:graph&quot;</td>
</tr>
<tr>
<td>INTEGER);</td>
</tr>
<tr>
<td>CREATE TABLE &quot;mlo:LocationBoundingBox_mlo:boxNorthLimit&quot; (ID INTEGER</td>
</tr>
<tr>
<td>NOT NULL, &quot;mlo:boxNorthLimit&quot; INTEGER NOT NULL, &quot;mlo:boxNorthLimit:graph&quot;</td>
</tr>
<tr>
<td>INTEGER);</td>
</tr>
<tr>
<td>CREATE TABLE &quot;mlo:LocationBoundingBox_mlo:boxSouthWestCorner&quot; (ID INTEGER</td>
</tr>
<tr>
<td>NOT NULL, &quot;mlo:boxSouthWestCorner&quot; INTEGER NOT NULL, &quot;mlo:boxSouthWestCor</td>
</tr>
<tr>
<td>ner:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>CREATE TABLE &quot;mlo:LocationBoundingBox_mlo:boxVerticalLimit&quot; (ID INTEGER</td>
</tr>
<tr>
<td>NOT NULL, &quot;mlo:boxVerticalLimit&quot; INTEGER NOT NULL, &quot;mlo:boxVerticalLimit:</td>
</tr>
<tr>
<td>graph&quot; INTEGER);</td>
</tr>
<tr>
<td>CREATE TABLE &quot;mlo:PointOfInterest&quot; (ID INTEGER NOT NULL PRIMARY KEY);</td>
</tr>
<tr>
<td>CREATE TABLE &quot;mlo:Route&quot; (ID INTEGER NOT NULL PRIMARY KEY);</td>
</tr>
<tr>
<td>CREATE TABLE &quot;mlo:Route_mlo:endTime&quot; (ID INTEGER NOT NULL,</td>
</tr>
<tr>
<td>&quot;mlo:endTime&quot; INTEGER NOT NULL, &quot;mlo:endTime:graph&quot; INTEGER,</td>
</tr>
<tr>
<td>&quot;mlo:endTime:localDate&quot; INTEGER NOT NULL, &quot;mlo:endTime:localTime&quot;</td>
</tr>
<tr>
<td>INTEGER NOT NULL);</td>
</tr>
<tr>
<td>CREATE TABLE &quot;mlo:Route_mlo:routeDetails&quot; (ID INTEGER NOT NULL,</td>
</tr>
<tr>
<td>&quot;mlo:routeDetails&quot; TEXT NOT NULL, &quot;mlo:routeDetails:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>CREATE TABLE &quot;mlo:Route_mlo:startTime&quot; (ID INTEGER NOT NULL,</td>
</tr>
<tr>
<td>&quot;mlo:startTime&quot; INTEGER NOT NULL, &quot;mlo:startTime:graph&quot; INTEGER,</td>
</tr>
<tr>
<td>&quot;mlo:startTime:localDate&quot; INTEGER NOT NULL, &quot;mlo:startTime:localTime&quot;</td>
</tr>
<tr>
<td>INTEGER NOT NULL);</td>
</tr>
<tr>
<td>CREATE TABLE &quot;mto:DownloadTransfer&quot; (ID INTEGER NOT NULL PRIMARY KEY);</td>
</tr>
<tr>
<td>CREATE TABLE &quot;mto:State&quot; (ID INTEGER NOT NULL PRIMARY KEY);</td>
</tr>
</tbody>
</table>
CREATE TABLE "mto:SyncTransfer" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mto:Transfer" (ID INTEGER NOT NULL PRIMARY KEY,
"mto:transferState" INTEGER, "mto:transferState:graph" INTEGER,
"mto:method" INTEGER, "mto:method:graph" INTEGER, "mto:created" INTEGER,
"mto:created:graph" INTEGER, "mto:created:localDate" INTEGER,
"mto:created:localTime" INTEGER, "mto:account" TEXT COLLATE NOCASE,
"mto:account:graph" INTEGER, "mto:starter" INTEGER,
"mto:starter:graph" INTEGER, "mto:agent" INTEGER, "mto:agent:graph" INTEGER);
CREATE TABLE "mto:TransferElement" (ID INTEGER NOT NULL PRIMARY KEY,
"mto:source" INTEGER, "mto:source:graph" INTEGER, "mto:destination" INTEGER,
"mto:destination:graph" INTEGER, "mto:startedTime" INTEGER,
"mto:startedTime:graph" INTEGER, "mto:startedTime:localDate" INTEGER,
"mto:startedTime:localTime" INTEGER, "mto:completedTime" INTEGER,
"mto:completedTime:graph" INTEGER, "mto:completedTime:localDate"
INTEGER, "mto:completedTime:localTime" INTEGER, "mto:state" INTEGER,
"mto:state:graph" INTEGER);
CREATE TABLE "mto:TransferMethod" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mto:Transfer_mto:transferList" (ID INTEGER NOT NULL,
"mto:transferList" INTEGER NOT NULL, "mto:transferList:graph"
INTEGER);
CREATE TABLE "mto:Transfer_mto:transferPrivacyLevel" (ID INTEGER NOT
NULL, "mto:transferPrivacyLevel" TEXT NOT NULL,
"mto:transferPrivacyLevel:graph" INTEGER);
CREATE TABLE "mto:UploadTransfer" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mto:UploadTransfer_mto:transferCategory" (ID INTEGER NOT
NULL, "mto:transferCategory" TEXT NOT NULL, "mto:transferCategory:graph"
INTEGER);
CREATE TABLE "mtp:ScanType" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nao:Property" (ID INTEGER NOT NULL PRIMARY KEY,
"nao:propertyName" TEXT COLLATE NOCASE, "nao:propertyName:graph"
INTEGER, "nao:propertyValue" TEXT COLLATE NOCASE, "nao:propertyValue:graph"
INTEGER);
CREATE TABLE "nao:Tag" (ID INTEGER NOT NULL PRIMARY KEY,
"nao:prefLabel" TEXT COLLATE NOCASE, "nao:prefLabel:graph" INTEGER,
"nao:description" TEXT COLLATE NOCASE, "nao:description:graph"
INTEGER);
CREATE TABLE "nao:Tag_tracker:isDefaultTag" (ID INTEGER NOT NULL,
"tracker:isDefaultTag" INTEGER NOT NULL, "tracker:isDefaultTag:graph"
INTEGER);
CREATE TABLE "nao:Tag_tracker:tagRelatedTo" (ID INTEGER NOT NULL,
"tracker:tagRelatedTo" INTEGER NOT NULL, "tracker:tagRelatedTo:graph"
INTEGER);
CREATE TABLE "ncal:AccessClassification" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:Alarm" (ID INTEGER NOT NULL PRIMARY KEY,
"ncal:repeat" INTEGER, "ncal:repeat:graph" INTEGER);
CREATE TABLE "ncal:AlarmAction" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:Alarm_ncal:action" (ID INTEGER NOT NULL,
CREATE TABLE `ncal:Attachment` (ID INTEGER NOT NULL PRIMARY KEY, "ncal:attachmentUri" INTEGER, "ncal:attachmentUri:graph" INTEGER, "ncal:attachmentUri:graph" INTEGER, "ncal:attachmentContent" TEXT COLLATE NOCASE, "ncal:attachmentContent:graph" INTEGER);
CREATE TABLE `ncal:AttachmentEncoding` (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE `ncal:AttendeeOrOrganizer` (ID INTEGER NOT NULL PRIMARY KEY, "ncal:dir" INTEGER, "ncal:dir:graph" INTEGER, "ncal:involvedContact" INTEGER, "ncal:involvedContact:graph" INTEGER, "ncal:sentBy" INTEGER, "ncal:sentBy:graph" INTEGER);
CREATE TABLE `ncal:AttendeeRole` (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE `ncal:BydayRulePart` (ID INTEGER NOT NULL PRIMARY KEY, "ncal:bydayModifier" INTEGER NOT NULL, "ncal:bydayModifier:graph" INTEGER);
CREATE TABLE `ncal:BydayRulePart_ncal:bydayModifier` (ID INTEGER NOT NULL, "ncal:bydayModifier" INTEGER NOT NULL, "ncal:bydayModifier:graph" INTEGER);
CREATE TABLE `ncal:BydayRulePart_ncal:bydayWeekday` (ID INTEGER NOT NULL, "ncal:bydayWeekday" INTEGER NOT NULL, "ncal:bydayWeekday:graph" INTEGER);
CREATE TABLE `ncal:CalendarDataObject` (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE `ncal:CalendarScale` (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE `ncal:CalendarUserType` (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE `ncal:Calendar_ncal:component` (ID INTEGER NOT NULL, "ncal:component" INTEGER NOT NULL, "ncal:component:graph" INTEGER);
CREATE TABLE `ncal:Event` (ID INTEGER NOT NULL PRIMARY KEY, "ncal:eventStatus" INTEGER, "ncal:eventStatus:graph" INTEGER, "ncal:transp" INTEGER, "ncal:transp:graph" INTEGER);
CREATE TABLE `ncal:EventStatus` (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE `ncal:Freebusy` (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE `ncal:FreebusyPeriod` (ID INTEGER NOT NULL PRIMARY KEY, "ncal:fbtype" INTEGER, "ncal:fbtype:graph" INTEGER);
CREATE TABLE `ncal:FreebusyType` (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE `ncal:Freebusy_ncal:freebusy` (ID INTEGER NOT NULL, "ncal:freebusy" INTEGER NOT NULL, "ncal:freebusy:graph" INTEGER);
CREATE TABLE `ncal:Journal` (ID INTEGER NOT NULL PRIMARY KEY,
"ncal:action" INTEGER NOT NULL, "ncal:action:graph" INTEGER);
CREATE TABLE "ncal:Attachment" (ID INTEGER NOT NULL PRIMARY KEY, "ncal:attachmentUri" INTEGER, "ncal:attachmentUri:graph" INTEGER, "ncal:attachmentUri:graph" INTEGER, "ncal:attachmentContent" TEXT COLLATE NOCASE, "ncal:attachmentContent:graph" INTEGER, "ncal:encoding" INTEGER, "ncal:encoding:graph" INTEGER, "ncal:attachmentContent" TEXT COLLATE NOCASE, "ncal:attachmentContent:graph" INTEGER);
```
"ncal:journalStatus" INTEGER, "ncal:journalStatus:graph" INTEGER);
CREATE TABLE "ncal:JournalStatus" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:NcalDateTime" (ID INTEGER NOT NULL PRIMARY KEY,
"ncal:ncalTimezone" INTEGER, "ncal:ncalTimezone:graph" INTEGER,
"ncal:date" INTEGER, "ncal:date:graph" INTEGER, "ncal:date:localDate" INTEGER,
"ncal:date:localTime" INTEGER, "ncal:dateTime" INTEGER, "ncal:dateTime:graph" INTEGER,
"ncal:dateTime:localDate" INTEGER, "ncal:dateTime:localTime" INTEGER);
CREATE TABLE "ncal:NcalPeriod" (ID INTEGER NOT NULL PRIMARY KEY,
"ncal:periodBegin" INTEGER, "ncal:periodBegin:graph" INTEGER,
"ncal:periodBegin:localDate" INTEGER, "ncal:periodBegin:localTime" INTEGER,
"ncal:periodDuration" INTEGER, "ncal:periodDuration:graph" INTEGER,
"ncal:periodEnd" INTEGER, "ncal:periodEnd:graph" INTEGER,
"ncal:periodEnd:localDate" INTEGER, "ncal:periodEnd:localTime" INTEGER);
CREATE TABLE "ncal:NcalTimeEntity" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:Organizer" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:ParticipationStatus" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:RecurrenceFrequency" (ID INTEGER NOT NULL PRIMARY KEY,
"ncal:range" INTEGER, "ncal:range:graph" INTEGER,
"ncal:recurrenceIdDateTime" INTEGER, "ncal:recurrenceIdDateTime:graph" INTEGER);
CREATE TABLE "ncal:RecurrenceIdentifierRange" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:RecurrenceRule" (ID INTEGER NOT NULL PRIMARY KEY,
"ncal:until" INTEGER, "ncal:until:graph" INTEGER,
"ncal:until:localDate" INTEGER, "ncal:until:localTime" INTEGER,
"ncal:wkst" INTEGER, "ncal:wkst:graph" INTEGER, "ncal:interval" INTEGER,
"ncal:interval:graph" INTEGER, "ncal:count" INTEGER, "ncal:count:graph" INTEGER,
"ncal:freq" INTEGER, "ncal:freq:graph" INTEGER);
CREATE TABLE "ncal:RecurrenceRule_ncal:byday" (ID INTEGER NOT NULL,
"ncal:byday" INTEGER NOT NULL, "ncal:byday:graph" INTEGER);
CREATE TABLE "ncal:RecurrenceRule_ncal:byhour" (ID INTEGER NOT NULL,
"ncal:byhour" INTEGER NOT NULL, "ncal:byhour:graph" INTEGER);
CREATE TABLE "ncal:RecurrenceRule_ncal:byminute" (ID INTEGER NOT NULL,
"ncal:byminute" INTEGER NOT NULL, "ncal:byminute:graph" INTEGER);
CREATE TABLE "ncal:RecurrenceRule_ncal:bymonth" (ID INTEGER NOT NULL,
"ncal:bymonth" INTEGER NOT NULL, "ncal:bymonth:graph" INTEGER);
CREATE TABLE "ncal:RecurrenceRule_ncal:bymonthday" (ID INTEGER NOT NULL,
"ncal:bymonthday" INTEGER NOT NULL, "ncal:bymonthday:graph" INTEGER);
CREATE TABLE "ncal:RecurrenceRule_ncal:bysecond" (ID INTEGER NOT NULL,
"ncal:bysecond" INTEGER NOT NULL, "ncal:bysecond:graph" INTEGER);
CREATE TABLE "ncal:RecurrenceRule_ncal:bymonthday" (ID INTEGER NOT NULL,
"ncal:bymonthday" INTEGER NOT NULL, "ncal:bymonthday:graph" INTEGER);
```

CREATE TABLE "ncal:RecurrenceRule_ncal:byyearday" (ID INTEGER NOT NULL, "ncal:byyearday" INTEGER NOT NULL, "ncal:byyearday:graph" INTEGER);

CREATE TABLE "ncal:RequestStatus" (ID INTEGER NOT NULL PRIMARY KEY, "ncal:statusDescription" TEXT COLLATE NOCASE, "ncal:statusDescription:graph" INTEGER, "ncal:returnStatus" TEXT COLLATE NOCASE, "ncal:returnStatus:graph" INTEGER, "ncal:requestStatusData" TEXT COLLATE NOCASE, "ncal:requestStatusData:graph" INTEGER);

CREATE TABLE "ncal:TimeTransparency" (ID INTEGER NOT NULL PRIMARY KEY);


CREATE TABLE "ncal:TimezoneObservance" (ID INTEGER NOT NULL PRIMARY KEY, "ncal:tzoffsetfrom" TEXT COLLATE NOCASE, "ncal:tzoffsetfrom:graph" INTEGER, "ncal:tzoffsetto" TEXT COLLATE NOCASE, "ncal:tzoffsetto:graph" INTEGER, "ncal:tzname" TEXT COLLATE NOCASE, "ncal:tzname:graph" INTEGER);


CREATE TABLE "ncal:TodoStatus" (ID INTEGER NOT NULL PRIMARY KEY);

CREATE TABLE "ncal:Trigger" (ID INTEGER NOT NULL PRIMARY KEY, "ncal:related" INTEGER, "ncal:related:graph" INTEGER, "ncal:triggerDateTime" INTEGER, "ncal:triggerDateTime:graph" INTEGER, "ncal:triggerDateTime:localDate" INTEGER, "ncal:triggerDateTime:localTime" INTEGER, "ncal:triggerDuration" INTEGER, "ncal:triggerDuration:graph" INTEGER);

CREATE TABLE "ncal:TriggerRelation" (ID INTEGER NOT NULL PRIMARY KEY);

CREATE TABLE "ncal:Weekday" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:Affiliation" (ID INTEGER NOT NULL PRIMARY KEY,
"nco:department" TEXT COLLATE NOCASE, "nco:department:graph" INTEGER,
"nco:org" INTEGER, "nco:org:graph" INTEGER, "nco:role" TEXT COLLATE
NOCASE, "nco:role:graph" INTEGER);
CREATE TABLE "nco:Affiliation_nco:title" (ID INTEGER NOT NULL,
"nco:title" TEXT NOT NULL, "nco:title:graph" INTEGER);
CREATE TABLE "nco:AuthorizationStatus" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:BbsNumber" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:CellPhoneNumber" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:Contact" (ID INTEGER NOT NULL PRIMARY KEY,
"nco:fullname" TEXT COLLATE NOCASE, "nco:fullname:graph" INTEGER,
"nco:key" INTEGER, "nco:key:graph" INTEGER, "nco:contactUID" TEXT
COLLATE NOCASE, "nco:contactUID:graph" INTEGER, "nco:contactLocalUID"
TEXT COLLATE NOCASE, "nco:contactLocalUID:graph" INTEGER,
"nco:hasLocation" INTEGER, "nco:hasLocation:graph" INTEGER,
"nco:nickname" TEXT COLLATE NOCASE, "nco:nickname:graph" INTEGER,
"nco:representative" INTEGER, "nco:representative:graph" INTEGER,
"nco:photo" INTEGER, "nco:photo:graph" INTEGER, "nco:birthDate"
INTEGER, "nco:birthDate:graph" INTEGER, "nco:birthDate:localTime"
INTEGER, "nco:sound" INTEGER, "nco:sound:graph" INTEGER);
CREATE TABLE "nco:ContactGroup" (ID INTEGER NOT NULL PRIMARY KEY,
"nco:contactGroupName" TEXT COLLATE NOCASE,
"nco:contactGroupName:graph" INTEGER);
CREATE TABLE "nco:ContactList" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:ContactListDataObject" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:ContactList_nco:containsContact" (ID INTEGER NOT
NULL, "nco:containsContact" INTEGER NOT NULL,
"nco:containsContact:graph" INTEGER);
CREATE TABLE "nco:ContactMedium" (ID INTEGER NOT NULL PRIMARY KEY,
"nco:contactMediumComment" TEXT COLLATE NOCASE,
"nco:contactMediumComment:graph" INTEGER);
CREATE TABLE "nco:Contact_ncal:anniversary" (ID INTEGER NOT NULL,
"ncal:anniversary" INTEGER NOT NULL, "ncal:anniversary:graph"
INTEGER);
CREATE TABLE "nco:Contact_ncal:birthday" (ID INTEGER NOT NULL,
"ncal:birthday" INTEGER NOT NULL, "ncal:birthday:graph" INTEGER);
CREATE TABLE "nco:Contact_nco:belongsToGroup" (ID INTEGER NOT NULL,
"nco:belongsToGroup" INTEGER NOT NULL, "nco:belongsToGroup:graph"
INTEGER);
CREATE TABLE "nco:Contact_nco:note" (ID INTEGER NOT NULL, "nco:note"
TEXT NOT NULL, "nco:note:graph" INTEGER);
CREATE TABLE "nco:Contact_scal:anniversary" (ID INTEGER NOT NULL,
"scal:anniversary" INTEGER NOT NULL, "scal:anniversary:graph"
INTEGER);
CREATE TABLE "nco:Contact_ncal:birthday" (ID INTEGER NOT NULL,
"ncal:birthday" INTEGER NOT NULL, "ncal:birthday:graph" INTEGER);
CREATE TABLE "nco:Contact_ncal:belongsToGroup" (ID INTEGER NOT NULL,
"ncal:belongsToGroup" INTEGER NOT NULL, "ncal:belongsToGroup:graph"
INTEGER);
"scal:startDate" INTEGER NOT NULL,
"scal:startDate:graph" INTEGER);
CREATE TABLE "nco:DomesticDeliveryAddress" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:EmailAddress" (ID INTEGER NOT NULL PRIMARY KEY,
"nco:emailAddress" TEXT COLLATE NOCASE UNIQUE,
"nco:emailAddress:graph" INTEGER);
CREATE TABLE "nco:FaxNumber" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:Gender" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:ImAccount" (ID INTEGER NOT NULL PRIMARY KEY,
"nco:imAccountAddress" INTEGER UNIQUE,
"nco:imAccountAddress:graph" INTEGER,
"nco:imAccountType" TEXT COLLATE NOCASE,
"nco:imAccountType:graph" INTEGER,
"nco:imDisplayName" TEXT COLLATE NOCASE,
"nco:imDisplayName:graph" INTEGER,
"nco:imEnabled" INTEGER,
"nco:imEnabled:graph" INTEGER);
CREATE TABLE "nco:ImAccount_nco:hasIMContact" (ID INTEGER NOT NULL,
"nco:hasIMContact" INTEGER NOT NULL,
"nco:hasIMContact:graph" INTEGER);
CREATE TABLE "nco:ImAddress" (ID INTEGER NOT NULL PRIMARY KEY,
"nco:imID" TEXT COLLATE NOCASE,
"nco:imID:graph" INTEGER,
"nco:imNickname" TEXT COLLATE NOCASE,
"nco:imNickname:graph" INTEGER,
"nco:imAvatar" INTEGER,
"nco:imAvatar:graph" INTEGER,
"nco:imProtocol" TEXT COLLATE NOCASE,
"nco:imProtocol:graph" INTEGER,
"nco:imStatusMessage" TEXT COLLATE NOCASE,
"nco:imStatusMessage:graph" INTEGER,
"nco:imPresence" INTEGER,
"nco:imPresence:graph" INTEGER,
"nco:presenceLastModified:graph" INTEGER,
"nco:presenceLastModified:localDate" INTEGER,
"nco:presenceLastModified:localTime" INTEGER,
"nco:imAddressAuthStatusFrom" INTEGER,
"nco:imAddressAuthStatusFrom:graph" INTEGER,
"nco:imAddressAuthStatusTo" INTEGER,
"nco:imAddressAuthStatusTo:graph" INTEGER);
CREATE TABLE "nco:ImAddress_nco:imCapability" (ID INTEGER NOT NULL,
"nco:imCapability" INTEGER NOT NULL,
"nco:imCapability:graph" INTEGER);
CREATE TABLE "nco:ImCapability" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:InternationalDeliveryAddress" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:IsdnNumber" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:MessagingNumber" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:ModemNumber" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:OrganizationContact" (ID INTEGER NOT NULL PRIMARY KEY,
"nco:logo" INTEGER,
"nco:logo:graph" INTEGER);
CREATE TABLE "nco:PagerNumber" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:ParcelDeliveryAddress" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:PcsNumber" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:PersonContact" (ID INTEGER NOT NULL PRIMARY KEY,
"nco:nameFamily" TEXT COLLATE NOCASE,
"nco:nameFamily:graph" INTEGER,
"nco:nameGiven" TEXT COLLATE NOCASE,
"nco:nameGiven:graph" INTEGER,
CREATE TABLE "nco:PersonContact_nco:hasAffiliation" (ID INTEGER NOT NULL, "nco:hasAffiliation" INTEGER NOT NULL, "nco:hasAffiliation:graph" INTEGER);
CREATE TABLE "nco:PhoneNumber" (ID INTEGER NOT NULL PRIMARY KEY, "nco:phoneNumber" TEXT COLLATE NOCASE, "nco:phoneNumber:graph" INTEGER);
CREATE TABLE "nco:PresenceStatus" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:Role" (ID INTEGER NOT NULL PRIMARY KEY, "nco:video" INTEGER, "nco:video:graph" INTEGER);
CREATE TABLE "nco:Role_nco:blogUrl" (ID INTEGER NOT NULL, "nco:blogUrl" INTEGER NOT NULL, "nco:blogUrl:graph" INTEGER);
CREATE TABLE "nco:Role_nco:foafUrl" (ID INTEGER NOT NULL, "nco:foafUrl" INTEGER NOT NULL, "nco:foafUrl:graph" INTEGER);
CREATE TABLE "nco:Role_nco:hasContactMedium" (ID INTEGER NOT NULL, "nco:hasContactMedium" INTEGER NOT NULL, "nco:hasContactMedium:graph" INTEGER);
CREATE TABLE "nco:Role_nco:hasEmailAddress" (ID INTEGER NOT NULL, "nco:hasEmailAddress" INTEGER NOT NULL, "nco:hasEmailAddress:graph" INTEGER);
CREATE TABLE "nco:Role_nco:hasIMAddress" (ID INTEGER NOT NULL, "nco:hasIMAddress" INTEGER NOT NULL, "nco:hasIMAddress:graph" INTEGER);
CREATE TABLE "nco:Role_nco:hasPhoneNumber" (ID INTEGER NOT NULL, "nco:hasPhoneNumber" INTEGER NOT NULL, "nco:hasPhoneNumber:graph" INTEGER);
CREATE TABLE "nco:Role_nco:hasPostalAddress" (ID INTEGER NOT NULL, "nco:hasPostalAddress" INTEGER NOT NULL, "nco:hasPostalAddress:graph" INTEGER);
CREATE TABLE "nco:Role_nco:url" (ID INTEGER NOT NULL, "nco:url" INTEGER NOT NULL, "nco:url:graph" INTEGER);
CREATE TABLE "nco:Role_nco:websiteUrl" (ID INTEGER NOT NULL,
"nco:websiteUrl" INTEGER NOT NULL, "nco:websiteUrl:graph" INTEGER);
CREATE TABLE "nco:VideoTelephoneNumber" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:VoicePhoneNumber" (ID INTEGER NOT NULL PRIMARY KEY,
"nco:voiceMail" INTEGER, "nco:voiceMail:graph" INTEGER);
CREATE TABLE "nfo:Application" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:Archive" (ID INTEGER NOT NULL PRIMARY KEY,
"nfo:uncompressedSize" INTEGER, "nfo:uncompressedSize:graph" INTEGER);
CREATE TABLE "nfo:ArchiveItem" (ID INTEGER NOT NULL PRIMARY KEY,
"nfo:isPasswordProtected" INTEGER, "nfo:isPasswordProtected:graph" INTEGER);
CREATE TABLE "nfo:Attachment" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:Audio" (ID INTEGER NOT NULL PRIMARY KEY,
"nfo:channels" INTEGER, "nfo:channels:graph" INTEGER,
"nfo:sideChannels" INTEGER, "nfo:sideChannels:graph" INTEGER,
"nfo:lfeChannels" INTEGER, "nfo:lfeChannels:graph" INTEGER,
"nfo:sampleCount" INTEGER, "nfo:sampleCount:graph" INTEGER,
"nfo:bitsPerSample" INTEGER, "nfo:bitsPerSample:graph" INTEGER,
"nfo:frontChannels" INTEGER, "nfo:frontChannels:graph" INTEGER,
"nfo:sampleRate" REAL, "nfo:sampleRate:graph" INTEGER,
"nfo:averageAudioBitrate" REAL, "nfo:averageAudioBitrate:graph" INTEGER,
"nfo:rearChannels" INTEGER, "nfo:rearChannels:graph" INTEGER,
"nfo:gain" INTEGER, "nfo:gain:graph" INTEGER,
"nfo:peakGain:graph" INTEGER, "nfo:audioOffset" REAL,
"nfo:audioOffset:graph" INTEGER);
CREATE TABLE "nfo:Bookmark" (ID INTEGER NOT NULL PRIMARY KEY,
"nfo:bookmarks" INTEGER, "nfo:bookmarks:graph" INTEGER,
"nfo:characterPosition" INTEGER, "nfo:characterPosition:graph" INTEGER,
"nfo:pageNumber" INTEGER, "nfo:pageNumber:graph" INTEGER,
"nfo:streamPosition" INTEGER, "nfo:streamPosition:graph" INTEGER,
"nfo:streamDuration" INTEGER, "nfo:streamDuration:graph" INTEGER);
CREATE TABLE "nfo:BookmarkFolder" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:BookmarkFolder_nfo:containsBookmark" (ID INTEGER NOT NULL, "nfo:containsBookmark" INTEGER NOT NULL,
"nfo:containsBookmark:graph" INTEGER);
CREATE TABLE "nfo:BookmarkFolder_nfo:containsBookmarkFolder" (ID INTEGER NOT NULL, "nfo:containsBookmarkFolder" INTEGER NOT NULL,
"nfo:containsBookmarkFolder:graph" INTEGER);
CREATE TABLE "nfo:CompressionType" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:Cursor" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:DataContainer" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:DeletedResource" (ID INTEGER NOT NULL PRIMARY KEY,
"nfo:originalLocation" TEXT COLLATE NOCASE,
"nfo:originalLocation:graph" INTEGER, "nfo:deletionDate" INTEGER,
"nfo:deletionDate:graph" INTEGER, "nfo:deletionDate:localDate" INTEGER,
"nfo:deletionDate:localTime" INTEGER);
CREATE TABLE "nfo:Document" (ID INTEGER NOT NULL PRIMARY KEY,
"nfo:tableOfContents" TEXT COLLATE NOCASE,
CREATE TABLE "nfo:EditedFileDataObject" (ID INTEGER NOT NULL PRIMARY KEY, "nfo:encoding" TEXT COLLATE NOCASE, "nfo:encoding:graph" INTEGER);
CREATE TABLE "nfo:Equipment" (ID INTEGER NOT NULL PRIMARY KEY, "nfo:manufacturer" TEXT COLLATE NOCASE, "nfo:manufacturer:graph" INTEGER, "nfo:model" TEXT COLLATE NOCASE, "nfo:model:graph" INTEGER, "nfo:equipmentSoftware" TEXT COLLATE NOCASE, "nfo:equipmentSoftware:graph" INTEGER);
CREATE TABLE "nfo:Executable" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:FileHash" (ID INTEGER NOT NULL PRIMARY KEY, "nfo:hashValue" TEXT COLLATE NOCASE, "nfo:hashValue:graph" INTEGER, "nfo:hashAlgorithm" TEXT COLLATE NOCASE, "nfo:hashAlgorithm:graph" INTEGER);
CREATE TABLE "nfo:Filesystem" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:FilesystemImage" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:Folder" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:Font" (ID INTEGER NOT NULL PRIMARY KEY, "nfo:fontFamily" TEXT COLLATE NOCASE, "nfo:fontFamily:graph" INTEGER, "nfo:foundry" INTEGER, "nfo:foundry:graph" INTEGER);
CREATE TABLE "nfo:HardDiskPartition" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:HelpDocument" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:HtmlDocument" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:Icon" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:Image" (ID INTEGER NOT NULL PRIMARY KEY, "nfo:verticalResolution" INTEGER, "nfo:verticalResolution:graph" INTEGER, "nfo:horizontalResolution" INTEGER, "nfo:horizontalResolution:graph" INTEGER, "nfo:orientation" INTEGER, "nfo:orientation:graph" INTEGER);
CREATE TABLE "nfo:Image_nfo:depicts" (ID INTEGER NOT NULL, "nfo:depicts" INTEGER NOT NULL, "nfo:depicts:graph" INTEGER);
CREATE TABLE "nfo:Image_nfo:hasRegionOfInterest" (ID INTEGER NOT NULL, "nfo:hasRegionOfInterest" INTEGER NOT NULL, "nfo:hasRegionOfInterest:graph" INTEGER);
CREATE TABLE "nfo:Media" (ID INTEGER NOT NULL PRIMARY KEY, "nfo:count" INTEGER);
INTEGER, "nfo:count:graph" INTEGER, "nfo:duration" INTEGER,
"nfo:duration:graph" INTEGER, "nfo:compressionType" INTEGER,
"nfo:compressionType:graph" INTEGER, "nfo:hasMediaStream" INTEGER,
"nfo:hasMediaStream:graph" INTEGER, "nfo:bitDepth" INTEGER,
"nfo:bitDepth:graph" INTEGER, "nfo:codec" TEXT COLLATE NOCASE,
"nfo:codec:graph" INTEGER, "nfo:encodedBy" TEXT COLLATE NOCASE,
"nfo:encodedBy:graph" INTEGER, "nfo:bitrateType" TEXT COLLATE NOCASE,
"nfo:bitrateType:graph" INTEGER, "nfo:averageBitrate" REAL,
"nfo:averageBitrate:graph" INTEGER, "nfo:genre" TEXT COLLATE NOCASE,
"nfo:genre:graph" INTEGER, "nfo:equipment" INTEGER,
"nfo:equipment:graph" INTEGER, "nfo:lastPlayedPosition" INTEGER,
"nfo:lastPlayedPosition:graph" INTEGER, "nmm:genre" TEXT COLLATE NOCASE,
"nmm:genre:graph" INTEGER, "nmm:skipCounter" INTEGER,
"nmm:skipCounter:graph" INTEGER, "nmm:dlnaProfile" TEXT COLLATE NOCASE,
"nmm:dlnaProfile:graph" INTEGER, "nmm:dlnaMime" TEXT COLLATE NOCASE,
"nmm:dlnaMime:graph" INTEGER, "nmm:uPnPShared" INTEGER,
"nmm:uPnPShared:graph" INTEGER, "mtp:credits" TEXT COLLATE NOCASE,
"mtp:credits:graph" INTEGER, "mtp:creator" TEXT COLLATE NOCASE,
"mtp:creator:graph" INTEGER);
CREATE TABLE "nfo:MediaFileListEntry" (ID INTEGER NOT NULL PRIMARY KEY,
"nfo:listPosition" REAL, "nfo:listPosition:graph" INTEGER,
"nfo:entryUrl" TEXT COLLATE NOCASE, "nfo:entryUrl:graph" INTEGER);
CREATE TABLE "nfo:MediaList" (ID INTEGER NOT NULL PRIMARY KEY,
"nfo:entryCounter" INTEGER, "nfo:entryCounter:graph" INTEGER,
"nfo:listDuration" INTEGER, "nfo:listDuration:graph" INTEGER);
CREATE TABLE "nfo:MediaList_nfo:hasMediaFileListEntry" (ID INTEGER NOT NULL,
"nfo:hasMediaFileListEntry" INTEGER NOT NULL,
"nfo:hasMediaFileListEntry:graph" INTEGER);
CREATE TABLE "nfo:MediaList_nfo:mediaListEntry" (ID INTEGER NOT NULL,
"nfo:mediaListEntry" INTEGER NOT NULL, "nfo:mediaListEntry:graph" INTEGER);
CREATE TABLE "nfo:MediaStream" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:Media_mtp:hidden" (ID INTEGER NOT NULL, "mtp:hidden" INTEGER NOT NULL,
"mtp:hidden:graph" INTEGER);
CREATE TABLE "nfo:Media_nmm:alternativeMedia" (ID INTEGER NOT NULL,
"nmm:alternativeMedia" INTEGER NOT NULL, "nmm:alternativeMedia:graph" INTEGER);
CREATE TABLE "nfo:MindMap" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:Note" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:OperatingSystem" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:Orientation" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:PaginatedTextDocument" (ID INTEGER NOT NULL PRIMARY KEY,
"nfo:pageCount" INTEGER, "nfo:pageCount:graph" INTEGER);
CREATE TABLE "nfo:PlainTextDocument" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:Presentation" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:RasterImage" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:RegionOfInterest" (ID INTEGER NOT NULL PRIMARY KEY,
"nfo:regionOfInterestX" REAL, "nfo:regionOfInterestX:graph" INTEGER,
CREATE TABLE "nfo:RegionOfInterestContent" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:RemoteDataObject" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:RemotePortAddress" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:Software" (ID INTEGER NOT NULL PRIMARY KEY,
  "nfo:conflicts" INTEGER, "nfo:conflicts:graph" INTEGER,
  "nfo:supercedes" INTEGER, "nfo:supercedes:graph" INTEGER,
  "nfo:softwareIcon" INTEGER, "nfo:softwareIcon:graph" INTEGER,
  "nfo:softwareCmdLine" TEXT COLLATE NOCASE,
  "nfo:softwareCmdLine:graph" INTEGER);
CREATE TABLE "nfo:SoftwareApplication" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:SoftwareCategory" (ID INTEGER NOT NULL PRIMARY KEY,
  "nfo:softwareCategoryIcon" INTEGER, "nfo:softwareCategoryIcon:graph" INTEGER);
CREATE TABLE "nfo:SoftwareItem" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:SoftwareService" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:SourceCode" (ID INTEGER NOT NULL PRIMARY KEY,
  "nfo:commentCharacterCount" INTEGER, "nfo:commentCharacterCount:graph" INTEGER,
  "nfo:programmingLanguage" TEXT COLLATE NOCASE,
  "nfo:programmingLanguage:graph" INTEGER, "nfo:definesClass" TEXT COLLATE NOCASE,
  "nfo:definesFunction" TEXT COLLATE NOCASE,
  "nfo:definesFunction:graph" INTEGER, "nfo:definesGlobalVariable" TEXT COLLATE NOCASE,
  "nfo:definesGlobalVariable:graph" INTEGER);
CREATE TABLE "nfo:Spreadsheet" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:TextDocument" (ID INTEGER NOT NULL PRIMARY KEY,
  "nfo:wordCount" INTEGER, "nfo:wordCount:graph" INTEGER,
  "nfo:lineCount" INTEGER, "nfo:lineCount:graph" INTEGER,
  "nfo:characterCount" INTEGER, "nfo:characterCount:graph" INTEGER);
CREATE TABLE "nfo:Trash" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:VectorImage" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:Video" (ID INTEGER NOT NULL PRIMARY KEY,
  "nfo:frameRate" REAL, "nfo:frameRate:graph" INTEGER, "nfo:frameCount" INTEGER,
  "nfo:frameCount:graph" INTEGER, "nfo:averageVideoBitrate" REAL,
  "nfo:averageVideoBitrate:graph" INTEGER);
CREATE TABLE "nfo:Visual" (ID INTEGER NOT NULL PRIMARY KEY,
  "nie:contentCreated" INTEGER, "nie:contentCreated:graph" INTEGER,
  "nie:contentCreated:localDate" INTEGER, "nie:contentCreated:localTime" INTEGER,
  "nfo:aspectRatio" REAL, "nfo:aspectRatio:graph" INTEGER,
  "nfo:heading" REAL, "nfo:heading:graph" INTEGER, "nfo:tilt" REAL,
  "nfo:tilt:graph" INTEGER, "nfo:interlaceMode" INTEGER,
  "nfo:interlaceMode:graph" INTEGER, "nfo:height" INTEGER,
  "nfo:height:graph" INTEGER, "nfo:width" INTEGER, "nfo:width:graph"
| CREATE TABLE "nie:InformationElement_mlo:location" (ID INTEGER NOT NULL, "mlo:location" INTEGER NOT NULL, "mlo:location:graph" INTEGER); |
| CREATE TABLE "nie:InformationElement_nao:hasProperty" (ID INTEGER NOT NULL, "nao:hasProperty" INTEGER NOT NULL, "nao:hasProperty:graph" INTEGER); |
| CREATE TABLE "nie:InformationElement_nco:contributor" (ID INTEGER NOT NULL, "nco:contributor" INTEGER NOT NULL, "nco:contributor:graph" INTEGER); |
| CREATE TABLE "nie:InformationElement_nco:creator" (ID INTEGER NOT NULL, "nco:creator" INTEGER NOT NULL, "nco:creator:graph" INTEGER); |
| CREATE TABLE "nie:InformationElement_nie:hasLogicalPart" (ID INTEGER NOT NULL, "nie:hasLogicalPart" INTEGER NOT NULL, "nie:hasLogicalPart:graph" INTEGER); |
| CREATE TABLE "nie:InformationElement_nie:hasPart" (ID INTEGER NOT NULL, "nie:hasPart" INTEGER NOT NULL, "nie:hasPart:graph" INTEGER); |
| CREATE TABLE "nie:InformationElement_nie:informationElementDate" (ID INTEGER NOT NULL, "nie:informationElementDate" INTEGER NOT NULL, "nie:informationElementDate:graph" INTEGER, "nie:informationElementDate:localDate" INTEGER NOT NULL, "nie:informationElementDate:localTime" INTEGER NOT NULL); |
| CREATE TABLE "nie:InformationElement_nie:isLogicalPartOf" (ID INTEGER NOT NULL, "nie:isLogicalPartOf" INTEGER NOT NULL, "nie:isLogicalPartOf:graph" INTEGER); |
| CREATE TABLE "nie:InformationElement_nie:keyword" (ID INTEGER NOT NULL, "nie:keyword" TEXT NOT NULL, "nie:keyword:graph" INTEGER); |
| CREATE TABLE "nie:InformationElement_nie:relatedTo" (ID INTEGER NOT NULL, "nie:relatedTo" INTEGER NOT NULL, "nie:relatedTo:graph" INTEGER); |
```
CREATE TABLE "nmm:AnalogRadio" (ID INTEGER NOT NULL PRIMARY KEY, "nmm:modulation" INTEGER, "nmm:modulation:graph" INTEGER, "nmm:frequency" INTEGER, "nmm:frequency:graph" INTEGER);
CREATE TABLE "nmm:Artist" (ID INTEGER NOT NULL PRIMARY KEY, "nmm:artistName" TEXT COLLATE NOCASE, "nmm:artistName:graph" INTEGER);
CREATE TABLE "nmm:Flash" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmm:ImageList" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmm:MeteringMode" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmm:MusicAlbumDisc" (ID INTEGER NOT NULL PRIMARY KEY, "nmm:albumDiscAlbum" INTEGER, "nmm:albumDiscAlbum:graph" INTEGER, "nmm:musicCDIdentifier" TEXT COLLATE NOCASE, "nmm:musicCDIdentifier:graph" INTEGER, "nmm:setNumber" INTEGER, "nmm:setNumber:graph" INTEGER);
CREATE TABLE "nmm:MusicPiece_nmm:lyrics" (ID INTEGER NOT NULL, "nmm:lyrics" INTEGER NOT NULL, "nmm:lyrics:graph" INTEGER);
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CURRENT TABLE "nmm:Playlist" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmm:RadioModulation" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmm:RadioStation" (ID INTEGER NOT NULL PRIMARY KEY,
"nmm:radioIcon" INTEGER, "nmm:radioIcon:graph" INTEGER, "nmm:radioPTY" INTEGER, "nmm:radioPTY:graph" INTEGER);
CREATE TABLE "nmm:RadioStation_nmm:carrier" (ID INTEGER NOT NULL, 
"nmm:carrier" INTEGER NOT NULL, "nmm:carrier:graph" INTEGER);
CREATE TABLE "nmm:SynchronizedText" (ID INTEGER NOT NULL PRIMARY KEY, 
"nmm:isForHearingImpaired" INTEGER, "nmm:isForHearingImpaired:graph" INTEGER);
CREATE TABLE "nmm:Video" (ID INTEGER NOT NULL PRIMARY KEY, 
"nmm:videoAlbum" INTEGER, "nmm:videoAlbum:graph" INTEGER, 
"nmm:isSeries" INTEGER, "nmm:isSeries:graph" INTEGER, "nmm:season" INTEGER, "nmm:season:graph" INTEGER, 
"nmm:episodeNumber" INTEGER, "nmm:episodeNumber:graph" INTEGER, "nmm:runTime" INTEGER, 
"nmm:runTime:graph" INTEGER, "nmm:synopsis" TEXT COLLATE NOCASE, 
"nmm:synopsis:graph" INTEGER, "nmm:MPAARating" TEXT COLLATE NOCASE, 
"nmm:MPAARating:graph" INTEGER, "nmm:category" TEXT COLLATE NOCASE, 
"nmm:category:graph" INTEGER, "nmm:producedBy" INTEGER, 
"nmm:producedBy:graph" INTEGER, "nmm:hasSubtitle" INTEGER, 
"nmm:hasSubtitle:graph" INTEGER, "nmm:isContentEncrypted" INTEGER, 
"nmm:isContentEncrypted:graph" INTEGER, "mtp:fourCC" TEXT COLLATE NOCASE, 
"mtp:fourCC:graph" INTEGER, "mtp:waveformat" TEXT COLLATE NOCASE, 
"mtp:waveformat:graph" INTEGER);
CREATE TABLE "nmm:Video_mtp:scantype" (ID INTEGER NOT NULL, 
"mtp:scantype" INTEGER NOT NULL, "mtp:scantype:graph" INTEGER);
CREATE TABLE "nmm:Video_nmm:director" (ID INTEGER NOT NULL, 
"nmm:director" INTEGER NOT NULL, "nmm:director:graph" INTEGER);
CREATE TABLE "nmm:Video_nmm:leadActor" (ID INTEGER NOT NULL, 
"nmm:leadActor" INTEGER NOT NULL, "nmm:leadActor:graph" INTEGER);
CREATE TABLE "nmm:Video_nmm:subtitle" (ID INTEGER NOT NULL, 
"nmm:subtitle" INTEGER NOT NULL, "nmm:subtitle:graph" INTEGER);
CREATE TABLE "nmm:WhiteBalance" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmo:Attachment" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmo:Call" (ID INTEGER NOT NULL PRIMARY KEY, 
"nmo:sentDate" INTEGER, "nmo:sentDate:graph" INTEGER, 
"nmo:sentDate:localDate" INTEGER, "nmo:sentDate:localTime" INTEGER, 
"nmo:duration" INTEGER, "nmo:duration:graph" INTEGER, 
"nmo:lastSuccessfulMessageDate" INTEGER, "nmo:lastSuccessfulMessageDate:graph" INTEGER, 
"nmo:lastSuccessfulMessageDate:localDate" INTEGER, 
"nmo:lastSuccessfulMessageDate:localTime" INTEGER, 
"nmo:lastSuccessfulMessageDate:graph" INTEGER);
CREATE TABLE "nmo:CommunicationChannel_nmo:hasParticipant" (ID INTEGER NOT NULL, "nmo:hasParticipant" INTEGER NOT NULL, "nmo:hasParticipant:graph" INTEGER);
CREATE TABLE "nmo:Conversation" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmo:DeliveryStatus" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmo:Email" (ID INTEGER NOT NULL PRIMARY KEY, "nmo:hasContent" INTEGER, "nmo:hasContent:graph" INTEGER, "nmo:isFlagged" INTEGER, "nmo:isFlagged:graph" INTEGER, "nmo:isRecent" INTEGER, "nmo:isRecent:graph" INTEGER, "nmo:status" TEXT COLLATE NOCASE, "nmo:status:graph" INTEGER, "nmo:responseType" TEXT COLLATE NOCASE, "nmo:responseType:graph" INTEGER);
CREATE TABLE "nmo:Email_nmo:contentMimeType" (ID INTEGER NOT NULL, "nmo:contentMimeType" TEXT NOT NULL, "nmo:contentMimeType:graph" INTEGER);
CREATE TABLE "nmo:IMMessage" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmo:MMSMessage" (ID INTEGER NOT NULL PRIMARY KEY, "nmo:mmsHasContent" INTEGER, "nmo:mmsHasContent:graph" INTEGER);
CREATE TABLE "nmo:MailAccount" (ID INTEGER NOT NULL PRIMARY KEY, "nmo:accountName" TEXT COLLATE NOCASE, "nmo:accountName:graph" INTEGER, "nmo:accountDisplayName" TEXT COLLATE NOCASE, "nmo:accountDisplayName:graph" INTEGER, "nmo:fromAddress" INTEGER, "nmo:fromAddress:graph" INTEGER, "nmo:signature" TEXT COLLATE NOCASE, "nmo:signature:graph" INTEGER);
CREATE TABLE "nmo:MailFolder" (ID INTEGER NOT NULL PRIMARY KEY, "nmo:folderName" TEXT COLLATE NOCASE, "nmo:folderName:graph" INTEGER, "nmo:serverCount" INTEGER, "nmo:serverCount:graph" INTEGER, "nmo:serverUnreadCount" INTEGER, "nmo:serverUnreadCount:graph" INTEGER);
CREATE TABLE "nmo:MailboxDataObject" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmo:Message" (ID INTEGER NOT NULL PRIMARY KEY, "nmo:sentDate" INTEGER, "nmo:sentDate:graph" INTEGER, "nmo:sentDate:localDate" INTEGER, "nmo:sentDate:localTime" INTEGER, "nmo:from" INTEGER, "nmo:from:graph" INTEGER, "nmo:isAnswered" INTEGER, "nmo:isAnswered:graph" INTEGER, "nmo:isDeleted" INTEGER, "nmo:isDeleted:graph" INTEGER, "nmo:isDraft" INTEGER, "nmo:isDraft:graph" INTEGER, "nmo:isRead" INTEGER, "nmo:isRead:graph" INTEGER, "nmo:isSent" INTEGER, "nmo:isSent:graph" INTEGER, "nmo:isEmergency" INTEGER, "nmo:isEmergency:graph" INTEGER, "nmo:htmlMessageContent" TEXT COLLATE NOCASE, "nmo:htmlMessageContent:graph" INTEGER, "nmo:messageId" TEXT COLLATE NOCASE, "nmo:messageId:graph" INTEGER, "nmo:messageSubject" TEXT COLLATE NOCASE, "nmo:messageSubject:graph" INTEGER, "nmo:receivedDate" INTEGER, "nmo:receivedDate:graph" INTEGER, "nmo:receivedDate:localDate" INTEGER, "nmo:receivedDate:localTime" INTEGER, "nmo:replyTo" INTEGER, "nmo:replyTo:graph" INTEGER, "nmo:sender" INTEGER, "nmo:sender:graph" INTEGER, "nmo:conversation" TEXT COLLATE NOCASE, "nmo:conversation:graph" INTEGER);
INTEGER, "nmo:conversation:graph" INTEGER, "nmo:communicationChannel"
INTEGER, "nmo:communicationChannel:graph" INTEGER,
"nmo:deliveryStatus" INTEGER, "nmo:deliveryStatus:graph" INTEGER,
"nmo:reportDelivery" INTEGER, "nmo:reportDelivery:graph" INTEGER,
"nmo:sentWithReportRead" INTEGER, "nmo:sentWithReportRead:graph"
INTEGER, "nmo:reportReadStatus" INTEGER, "nmo:reportReadStatus:graph"
INTEGER, "nmo:mustAnswerReportRead" INTEGER,
"nmo:mustAnswerReportRead:graph" INTEGER, "nmo:mmsId" TEXT COLLATE
NOCASE, "nmo:mmsId:graph" INTEGER);
CREATE TABLE "nmo:MessageHeader" (ID INTEGER NOT NULL PRIMARY KEY,
"nmo:headerName" TEXT COLLATE NOCASE, "nmo:headerName:graph" INTEGER,
"nmo:headerValue" TEXT COLLATE NOCASE, "nmo:headerValue:graph"
INTEGER);
CREATE TABLE "nmo:Message_nmo:bcc" (ID INTEGER NOT NULL, "nmo:bcc"
INTEGER NOT NULL, "nmo:bcc:graph" INTEGER);
CREATE TABLE "nmo:Message_nmo:cc" (ID INTEGER NOT NULL, "nmo:cc"
INTEGER NOT NULL, "nmo:cc:graph" INTEGER);
CREATE TABLE "nmo:Message_nmo:hasAttachment" (ID INTEGER NOT NULL,
"nmo:hasAttachment" INTEGER NOT NULL, "nmo:hasAttachment:graph"
INTEGER);
CREATE TABLE "nmo:Message_nmo:inReplyTo" (ID INTEGER NOT NULL,
"nmo:inReplyTo" INTEGER NOT NULL, "nmo:inReplyTo:graph" INTEGER);
CREATE TABLE "nmo:Message_nmo:messageHeader" (ID INTEGER NOT NULL,
"nmo:messageHeader" INTEGER NOT NULL, "nmo:messageHeader:graph"
INTEGER);
CREATE TABLE "nmo:Message_nmo:recipient" (ID INTEGER NOT NULL,
"nmo:recipient" INTEGER NOT NULL, "nmo:recipient:graph" INTEGER);
CREATE TABLE "nmo:Message_nmo:references" (ID INTEGER NOT NULL,
"nmo:references" INTEGER NOT NULL, "nmo:references:graph" INTEGER);
CREATE TABLE "nmo:Message_nmo:to" (ID INTEGER NOT NULL, "nmo:to"
INTEGER NOT NULL, "nmo:to:graph" INTEGER);
CREATE TABLE "nmo:MimePart" (ID INTEGER NOT NULL PRIMARY KEY,
"nmo:charSet" TEXT COLLATE NOCASE, "nmo:charSet:graph" INTEGER,
"nmo:contentId" TEXT COLLATE NOCASE, "nmo:contentId:graph" INTEGER,
"nmo:contentTransferEncoding" TEXT COLLATE NOCASE,
"nmo:contentTransferEncoding:graph" INTEGER, "nmo:contentDescription"
TEXT COLLATE NOCASE, "nmo:contentDescription:graph" INTEGER,
"nmo:contentDisposition" TEXT COLLATE NOCASE,
"nmo:contentDisposition:graph" INTEGER);
CREATE TABLE "nmo:MimePart_nmo:mimeHeader" (ID INTEGER NOT NULL,
"nmo:mimeHeader" INTEGER NOT NULL, "nmo:mimeHeader:graph" INTEGER);
CREATE TABLE "nmo:Multipart" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmo:Multipart_nmo:partBoundary" (ID INTEGER NOT NULL,
"nmo:partBoundary" TEXT NOT NULL, "nmo:partBoundary:graph" INTEGER);
CREATE TABLE "nmo:PermanentChannel" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmo:PhoneMessage" (ID INTEGER NOT NULL PRIMARY KEY,
"nmo:fromVCard" INTEGER, "nmo:fromVCard:graph" INTEGER, "nmo:encoding"
TEXT COLLATE NOCASE, "nmo:encoding:graph" INTEGER,

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CREATE TABLE "nmo:PhoneMessageFolder" (ID INTEGER NOT NULL PRIMARY KEY, "nmo:phoneMessageFolderId" TEXT COLLATE NOCASE, "nmo:phoneMessageFolderId:graph" INTEGER);
CREATE TABLE "nmo:PhoneMessageFolder_nmo:containsPhoneMessage" (ID INTEGER NOT NULL, "nmo:containsPhoneMessage" INTEGER NOT NULL, "nmo:containsPhoneMessage:graph" INTEGER);
CREATE TABLE "nmo:PhoneMessageFolder_nmo:containsPhoneMessageFolder" (ID INTEGER NOT NULL, "nmo:containsPhoneMessageFolder" INTEGER NOT NULL, "nmo:containsPhoneMessageFolder:graph" INTEGER);
CREATE TABLE "nmo:PhoneMessage_nmo:toVCard" (ID INTEGER NOT NULL, "nmo:toVCard" INTEGER NOT NULL, "nmo:toVCard:graph" INTEGER);
CREATE TABLE "nmo:ReportReadStatus" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmo:SMSMessage" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmo:TransientChannel" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmo:VOIPCall" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nrl:InverseFunctionalProperty" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "osinfo:Installer" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "poi:ObjectOfInterest" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "rdf:Property_rdfs:subPropertyOf" (ID INTEGER NOT NULL, "rdfs:subPropertyOf" INTEGER NOT NULL, "rdfs:subPropertyOf:graph" INTEGER);
CREATE TABLE "rdfs:Class" (ID INTEGER NOT NULL PRIMARY KEY, "tracker:notify" INTEGER, "tracker:notify:graph" INTEGER, "rdfs:subClassOf" INTEGER NOT NULL, "rdfs:subClassOf:graph" INTEGER);
CREATE TABLE "rdfs:Class_tracker:domainIndex" (ID INTEGER NOT NULL, "tracker:domainIndex" INTEGER NOT NULL, "tracker:domainIndex:graph" INTEGER);
CREATE TABLE "rdfs:Literal" (ID INTEGER NOT NULL PRIMARY KEY, "rdfs:comment" TEXT COLLATE NOCASE, "rdfs:comment:graph" INTEGER, "rdfs:label" TEXT COLLATE NOCASE, "rdfs:label:graph" INTEGER);
CREATE TABLE "rdfs:Resource_dc:contributor" (ID INTEGER NOT NULL, "dc:contributor" TEXT NOT NULL, "dc:contributor:graph" INTEGER);
CREATE TABLE "rdfs:Resource_dc:date" (ID INTEGER NOT NULL, "dc:date" INTEGER NOT NULL, "dc:date:graph" INTEGER, "dc:date:localDate" INTEGER NOT NULL, "dc:date:localTime" INTEGER NOT NULL);
CREATE TABLE "rdfs:Resource_dc:relation" (ID INTEGER NOT NULL, "dc:relation" TEXT NOT NULL, "dc:relation:graph" INTEGER);
CREATE TABLE "rdfs:Resource_dc:source" (ID INTEGER NOT NULL, "dc:source" INTEGER NOT NULL, "dc:source:graph" INTEGER);
CREATE TABLE "rdfs:Resource_nao:deprecated" (ID INTEGER NOT NULL, "nao:deprecated" INTEGER NOT NULL, "nao:deprecated:graph" INTEGER);
CREATE TABLE "rdfs:Resource_nao:hasTag" (ID INTEGER NOT NULL, "nao:hasTag" INTEGER NOT NULL, "nao:hasTag:graph" INTEGER);
CREATE TABLE "rdfs:Resource_nao:isRelated" (ID INTEGER NOT NULL, "nao:isRelated" INTEGER NOT NULL, "nao:isRelated:graph" INTEGER);
CREATE TABLE "rdfs:Resource_rdf:type" (ID INTEGER NOT NULL, "rdf:type" INTEGER NOT NULL, "rdf:type:graph" INTEGER);
CREATE TABLE "scal:AccessLevel" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "scal:AttendanceStatus" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "scal:AttendeeRole" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "scal:Attendee_scal:delegated-from" (ID INTEGER NOT NULL,
CREATE TABLE "scal:Attendee_scal:delegated-from" (ID INTEGER NOT NULL, "scal:delegated-from" INTEGER NOT NULL, "scal:delegated-from:graph" INTEGER);
CREATE TABLE "scal:Attendee_scal:delegated-to" (ID INTEGER NOT NULL, "scal:delegated-to" INTEGER NOT NULL, "scal:delegated-to:graph" INTEGER);
CREATE TABLE "scal:Attendee_scal:member" (ID INTEGER NOT NULL, "scal:member" INTEGER NOT NULL, "scal:member:graph" INTEGER);
CREATE TABLE "scal:Attendee_scal:sent-by" (ID INTEGER NOT NULL, "scal:sent-by" INTEGER NOT NULL, "scal:sent-by:graph" INTEGER);
CREATE TABLE "scal:Calendar" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "scal:CalendarAlarm" (ID INTEGER NOT NULL PRIMARY KEY, "scal:alarmOffset" INTEGER, "scal:alarmOffset:graph" INTEGER);
CREATE TABLE "scal:CalendarAlarm_scal:alarmAttendee" (ID INTEGER NOT NULL, "scal:alarmAttendee" INTEGER NOT NULL, "scal:alarmAttendee:graph" INTEGER);
CREATE TABLE "scal:CalendarItem_scal:access" (ID INTEGER NOT NULL, "scal:access" INTEGER NOT NULL, "scal:access:graph" INTEGER);
CREATE TABLE "scal:CalendarItem_scal:attachment" (ID INTEGER NOT NULL, "scal:attachment" INTEGER NOT NULL, "scal:attachment:graph" INTEGER);
CREATE TABLE "scal:CalendarItem_scal:attendee" (ID INTEGER NOT NULL, "scal:attendee" INTEGER NOT NULL, "scal:attendee:graph" INTEGER);
CREATE TABLE "scal:CalendarItem_scal:belongsToCalendar" (ID INTEGER NOT NULL, "scal:belongsToCalendar" INTEGER NOT NULL, "scal:belongsToCalendar:graph" INTEGER);
CREATE TABLE "scal:CalendarItem_scal:contact" (ID INTEGER NOT NULL, "scal:contact" INTEGER NOT NULL, "scal:contact:graph" INTEGER);
CREATE TABLE "scal:CalendarItem_scal:rrule" (ID INTEGER NOT NULL, "scal:rrule" INTEGER NOT NULL, "scal:rrule:graph" INTEGER);
CREATE TABLE "scal:CalendarUserType" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "scal:Event" (ID INTEGER NOT NULL PRIMARY KEY, "scal:eventStatus" INTEGER, "scal:eventStatus:graph" INTEGER);
CREATE TABLE "scal:EventStatus" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "scal:Journal" (ID INTEGER NOT NULL PRIMARY KEY, "scal:journalStatus" INTEGER, "scal:journalStatus:graph" INTEGER);
CREATE TABLE "scal:JournalStatus" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "scal:RSVPValues" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "scal:RecurrenceRule" (ID INTEGER NOT NULL PRIMARY KEY,
CREATE TABLE "scal:DateTime" (ID INTEGER NOT NULL PRIMARY KEY, "scal:dateTime" INTEGER, "scal:dateTime:graph" INTEGER, "scal:dateTime:localDate" INTEGER, "scal:dateTime:localTime" INTEGER, "scal:TimeZone" TEXT COLLATE NOCASE, "scal:TimeZone:graph" INTEGER, "scal:TimeZone:localDate" INTEGER, "scal:TimeZone:localTime" INTEGER);
CREATE TABLE "tracker:Ontology" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "tracker:Volume" (ID INTEGER NOT NULL PRIMARY KEY,
"tracker:isMounted" INTEGER, "tracker:isMounted:graph" INTEGER,
"tracker:unmountDate" INTEGER, "tracker:unmountDate:graph" INTEGER,
"tracker:unmountDate:localDate" INTEGER,
"tracker:unmountDate:localTime" INTEGER, "tracker:mountPoint" INTEGER,
"tracker:mountPoint:graph" INTEGER, "tracker:isRemovable" INTEGER,
"tracker:isRemovable:graph" INTEGER, "tracker:isOptical" INTEGER,
"tracker:isOptical:graph" INTEGER);
CREATE UNIQUE INDEX "mfo:FeedMessage_mfo:enclosureList_ID_ID" ON
  "mfo:FeedMessage_mfo:enclosureList" (ID, "mfo:enclosureList");
CREATE UNIQUE INDEX "mlo:GeoBoundingBox_mlo:bbNorthWest_ID_ID" ON
  "mlo:GeoBoundingBox_mlo:bbNorthWest" (ID, "mlo:bbNorthWest");
CREATE UNIQUE INDEX "mlo:GeoBoundingBox_mlo:bbSouthEast_ID_ID" ON
  "mlo:GeoBoundingBox_mlo:bbSouthEast" (ID, "mlo:bbSouthEast");
CREATE INDEX "mlo:GeoLocation_mlo:asBoundingBox_ID" ON
  "mlo:GeoLocation_mlo:asBoundingBox" (ID);
CREATE UNIQUE INDEX "mlo:GeoLocation_mlo:asBoundingBox_ID_ID" ON
  "mlo:GeoLocation_mlo:asBoundingBox" ("mlo:asBoundingBox", ID);
CREATE INDEX "mlo:GeoLocation_mlo:asGeoPoint_ID" ON
  "mlo:GeoLocation_mlo:asGeoPoint" (ID);
CREATE UNIQUE INDEX "mlo:GeoLocation_mlo:asGeoPoint_ID_ID" ON
  "mlo:GeoLocation_mlo:asGeoPoint" ("mlo:asGeoPoint", ID);
CREATE INDEX "mlo:GeoLocation_mlo:asPostalAddress_ID" ON
  "mlo:GeoLocation_mlo:asPostalAddress" (ID);
CREATE UNIQUE INDEX "mlo:GeoLocation_mlo:asPostalAddress_ID_ID" ON
  "mlo:GeoLocation_mlo:asPostalAddress" ("mlo:asPostalAddress", ID);
CREATE UNIQUE INDEX "mlo:GeoPoint_mlo:address_ID_ID" ON
  "mlo:GeoPoint_mlo:address" (ID, "mlo:address");
CREATE UNIQUE INDEX "mlo:GeoPoint_mlo:altitude_ID_ID" ON
  "mlo:GeoPoint_mlo:altitude" (ID, "mlo:altitude");
CREATE UNIQUE INDEX "mlo:GeoPoint_mlo:city_ID_ID" ON
  "mlo:GeoPoint_mlo:city" (ID, "mlo:city");
CREATE UNIQUE INDEX "mlo:GeoPoint_mlo:country_ID_ID" ON
  "mlo:GeoPoint_mlo:country" (ID, "mlo:country");
CREATE UNIQUE INDEX "mlo:GeoPoint_mlo:latitude_ID_ID" ON
  "mlo:GeoPoint_mlo:latitude" (ID, "mlo:latitude");
CREATE UNIQUE INDEX "mlo:GeoPoint_mlo:longitude_ID_ID" ON
  "mlo:GeoPoint_mlo:longitude" (ID, "mlo:longitude");
CREATE UNIQUE INDEX "mlo:GeoPoint_mlo:state_ID_ID" ON
  "mlo:GeoPoint_mlo:state" (ID, "mlo:state");
CREATE UNIQUE INDEX "mlo:GeoPoint_mlo:timestamp_ID_ID" ON
  "mlo:GeoPoint_mlo:timestamp" (ID, "mlo:timestamp");
CREATE UNIQUE INDEX "mlo:GeoSphere_mlo:radius_ID_ID" ON
  "mlo:GeoSphere_mlo:radius" (ID, "mlo:radius");
CREATE UNIQUE INDEX "mlo:LandmarkCategory_mlo:isRemovable_ID_ID" ON
  "mlo:LandmarkCategory_mlo:isRemovable" (ID, "mlo:isRemovable");
CREATE UNIQUE INDEX "mlo:Landmark_mlo:belongsToCategory_ID_ID" ON
"mlo:Landmark_mlo:belongsToCategory" (ID, "mlo:belongsToCategory"),
CREATE UNIQUE INDEX "mlo:Landmark_mlo:belongsToCategory" (ID, "mlo:belongsToCategory"),
CREATE UNIQUE INDEX "mlo:Landmark_mlo:poiLocation_ID_ID" ON
"mlo:Landmark_mlo:poiLocation" (ID, "mlo:poiLocation"),
CREATE UNIQUE INDEX "mlo:LocationBoundingBox_mlo:boxEastLimit_ID_ID" ON
"mlo:LocationBoundingBox_mlo:boxEastLimit" (ID, "mlo:boxEastLimit"),
CREATE UNIQUE INDEX "mlo:LocationBoundingBox_mlo:boxNorthLimit_ID_ID" ON
"mlo:LocationBoundingBox_mlo:boxNorthLimit" (ID, "mlo:boxNorthLimit"),
CREATE UNIQUE INDEX "mlo:LocationBoundingBox_mlo:boxSouthWestCorner_ID_ID" ON
"mlo:LocationBoundingBox_mlo:boxSouthWestCorner" (ID, "mlo:boxSouthWestCorner"),
CREATE UNIQUE INDEX "mlo:LocationBoundingBox_mlo:boxVerticalLimit_ID_ID" ON
"mlo:LocationBoundingBox_mlo:boxVerticalLimit" (ID, "mlo:boxVerticalLimit"),
CREATE UNIQUE INDEX "mlo:Route_mlo:endTime_ID_ID" ON
"mlo:Route_mlo:endTime" (ID, "mlo:endTime"),
CREATE UNIQUE INDEX "mlo:Route_mlo:routeDetails_ID_ID" ON
"mlo:Route_mlo:routeDetails" (ID, "mlo:routeDetails"),
CREATE UNIQUE INDEX "mlo:Route_mlo:startTime_ID_ID" ON
"mlo:Route_mlo:startTime" (ID, "mlo:startTime"),
CREATE UNIQUE INDEX "mto:Transfer_mto:transferList_ID_ID" ON
"mto:Transfer_mto:transferList" (ID, "mto:transferList"),
CREATE UNIQUE INDEX "mto:Transfer_mto:transferPrivacyLevel_ID_ID" ON
"mto:Transfer_mto:transferPrivacyLevel" (ID, "mto:transferPrivacyLevel"),
CREATE UNIQUE INDEX "mto:UploadTransfer_mto:transferCategory_ID_ID" ON
"mto:UploadTransfer_mto:transferCategory" (ID, "mto:transferCategory"),
CREATE UNIQUE INDEX "nao:Tag_tracker:isDefaultTag_ID_ID" ON
"nao:Tag_tracker:isDefaultTag" (ID, "tracker:isDefaultTag"),
CREATE UNIQUE INDEX "nao:Tag_tracker:tagRelatedTo_ID_ID" ON
"nao:Tag_tracker:tagRelatedTo" (ID, "tracker:tagRelatedTo"),
CREATE UNIQUE INDEX "ncal:Alarm_ncal:action_ID_ID" ON
"ncal:Alarm_ncal:action" (ID, "ncal:action"),
CREATE UNIQUE INDEX "ncal:BydayRulePart_ncal:bydayModifier_ID_ID" ON
"ncal:BydayRulePart_ncal:bydayModifier" (ID, "ncal:bydayModifier"),
CREATE UNIQUE INDEX "ncal:BydayRulePart_ncal:bydayWeekday_ID_ID" ON
"ncal:BydayRulePart_ncal:bydayWeekday" (ID, "ncal:bydayWeekday"),
CREATE UNIQUE INDEX "ncal:Calendar_ncal:component_ID_ID" ON
"ncal:Calendar_ncal:component" (ID, "ncal:component"),
CREATE UNIQUE INDEX "ncal:Freebusy_ncal:freebusy_ID_ID" ON
"ncal:Freebusy_ncal:freebusy" (ID, "ncal:freebusy"),
CREATE UNIQUE INDEX "ncal:RecurrenceRule_ncal:byday_ID_ID" ON
CREATE UNIQUE INDEX "ncal:RecurrenceRule_ncal:byday" (ID, "ncal:byday") ON "ncal:RecurrenceRule_ncal:byday" (ID, "ncal:byday")
CREATE UNIQUE INDEX "ncal:RecurrenceRule_ncal:byhour" (ID, "ncal:byhour") ON "ncal:RecurrenceRule_ncal:byhour" (ID, "ncal:byhour")
CREATE UNIQUE INDEX "ncal:RecurrenceRule_ncal:bymonth" (ID, "ncal:bymonth") ON "ncal:RecurrenceRule_ncal:bymonth" (ID, "ncal:bymonth")
CREATE UNIQUE INDEX "ncal:RecurrenceRule_ncal:bymonthday" (ID, "ncal:bymonthday") ON "ncal:RecurrenceRule_ncal:bymonthday" (ID, "ncal:bymonthday")
CREATE UNIQUE INDEX "ncal:RecurrenceRule_ncal:bysecond" (ID, "ncal:bysecond") ON "ncal:RecurrenceRule_ncal:bysecond" (ID, "ncal:bysecond")
CREATE UNIQUE INDEX "ncal:RecurrenceRule_ncal:bysetpos" (ID, "ncal:bysetpos") ON "ncal:RecurrenceRule_ncal:bysetpos" (ID, "ncal:bysetpos")
CREATE UNIQUE INDEX "ncal:RecurrenceRule_ncal:byweekno" (ID, "ncal:byweekno") ON "ncal:RecurrenceRule_ncal:byweekno" (ID, "ncal:byweekno")
CREATE UNIQUE INDEX "ncal:RecurrenceRule_ncal:byyearday" (ID, "ncal:byyearday") ON "ncal:RecurrenceRule_ncal:byyearday" (ID, "ncal:byyearday")
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:attach" (ID, "ncal:attach") ON "ncal:UnionParentClass_ncal:attach" (ID, "ncal:attach")
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:attendee" (ID, "ncal:attendee") ON "ncal:UnionParentClass_ncal:attendee" (ID, "ncal:attendee")
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:categories" (ID, "ncal:categories") ON "ncal:UnionParentClass_ncal:categories" (ID, "ncal:categories")
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:exdate" (ID, "ncal:exdate") ON "ncal:UnionParentClass_ncal:exdate" (ID, "ncal:exdate")
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:rrule" (ID, "ncal:rrule") ON "ncal:UnionParentClass_ncal:rrule" (ID, "ncal:rrule")
CREATE UNIQUE INDEX "nco:Affiliation_nco:title" (ID, "nco:title") ON "nco:Affiliation_nco:title" (ID, "nco:title")
CREATE UNIQUE INDEX "nco:ContactList_nco:containsContact" (ID, "nco:containsContact") ON "nco:ContactList_nco:containsContact" (ID, "nco:containsContact")
CREATE UNIQUE INDEX "nco:Contact_ncal:anniversary" (ID, "ncal:anniversary") ON "nco:Contact_ncal:anniversary" (ID, "ncal:anniversary")

"nfo:BookmarkFolder_nfo:containsBookmark" (ID, "nfo:containsBookmark")
CREATE INDEX "nfo:FileDataObject_nfo:fileLastModified" ON "nfo:FileDataObject" ("nfo:fileLastModified");
CREATE UNIQUE INDEX "nfo:Image_nfo:depicts_ID_ID" ON "nfo:Image_nfo:depicts" (ID, "nfo:depicts");
CREATE UNIQUE INDEX "nfo:Image_nfo:hasRegionOfInterest_ID_ID" ON "nfo:Image_nfo:hasRegionOfInterest" (ID, "nfo:hasRegionOfInterest");
CREATE UNIQUE INDEX "nfo:MediaList_nfo:hasMediaFileListEntry_ID_ID" ON "nfo:MediaList_nfo:hasMediaFileListEntry" (ID, "nfo:MediaFileListEntry");
CREATE UNIQUE INDEX "nfo:MediaList_nfo:mediaListEntry_ID_ID" ON "nfo:MediaList_nfo:mediaListEntry" (ID, "nfo:mediaListEntry");
CREATE UNIQUE INDEX "nfo:Media_mtp:hidden_ID_ID" ON "nfo:Media_mtp:hidden" (ID, "mtp:hidden");
CREATE UNIQUE INDEX "nfo:Media_nmm:alternativeMedia_ID_ID" ON "nfo:Media_nmm:alternativeMedia" (ID, "nmm:alternativeMedia");
CREATE INDEX "nfo:Visual_nie:contentCreated" ON "nfo:Visual" ("nie:contentCreated");
CREATE UNIQUE INDEX "nid3:ID3Audio_nid3:leadArtist_ID_ID" ON "nid3:ID3Audio_nid3:leadArtist" (ID, "nid3:leadArtist");
CREATE UNIQUE INDEX "nie:DataObject_nie:dataSource_ID_ID" ON "nie:DataObject_nie:dataSource" (ID, "nie:dataSource");
CREATE UNIQUE INDEX "nie:DataObject_nie:isPartOf_ID_ID" ON "nie:DataObject_nie:isPartOf" (ID, "nie:isPartOf");
CREATE INDEX "nie:DataObject_nie:url" ON "nie:DataObject" ("nie:url");
CREATE INDEX "nie:InformationElement_mlo:location_ID" ON "nie:InformationElement_mlo:location" (ID);
CREATE UNIQUE INDEX "nie:InformationElement_mlo:location_ID_ID" ON "nie:InformationElement_mlo:location" ("mlo:location", ID);
CREATE UNIQUE INDEX "nie:InformationElement_nao:hasProperty_ID_ID" ON "nie:InformationElement_nao:hasProperty" (ID, "nao:hasProperty");
CREATE UNIQUE INDEX "nie:InformationElement_nco:contributor_ID_ID" ON "nie:InformationElement_nco:contributor" (ID, "nco:contributor");
CREATE UNIQUE INDEX "nie:InformationElement_nco:creator_ID_ID" ON "nie:InformationElement_nco:creator" (ID, "nco:creator");
CREATE UNIQUE INDEX "nie:InformationElement_nie:hasLogicalPart_ID_ID" ON "nie:InformationElement_nie:hasLogicalPart" (ID, "nie:hasLogicalPart");
CREATE UNIQUE INDEX "nie:InformationElement_nie:hasPart_ID_ID" ON "nie:InformationElement_nie:hasPart" (ID, "nie:hasPart");
CREATE UNIQUE INDEX "nie:InformationElement_nie:informationElementDate_ID_ID" ON "nie:InformationElement_nie:informationElementDate" (ID, "nie:informationElementDate");
CREATE UNIQUE INDEX "nie:InformationElement_nie:isLogicalPartOf_ID_ID" ON "nie:InformationElement_nie:isLogicalPartOf" (ID, "nie:isLogicalPartOf");
CREATE UNIQUE INDEX "nmo:Message_nmo:hasAttachment" (ID, "nmo:hasAttachment");
CREATE UNIQUE INDEX "nmo:Message_nmo:inReplyTo_ID_ID" ON "nmo:Message_nmo:inReplyTo" (ID, "nmo:inReplyTo");
CREATE UNIQUE INDEX "nmo:Message_nmo:messageHeader_ID_ID" ON "nmo:Message_nmo:messageHeader" (ID, "nmo:messageHeader");
CREATE UNIQUE INDEX "nmo:Message_nmo:recipient_ID_ID" ON "nmo:Message_nmo:recipient" (ID, "nmo:recipient");
CREATE UNIQUE INDEX "nmo:Message_nmo:references_ID_ID" ON "nmo:Message_nmo:references" (ID, "nmo:references");
CREATE INDEX "nmo:Message_nmo:sender" ON "nmo:Message" ("nmo:sender");
CREATE INDEX "nmo:Message_nmo:sender" ON "nmo:Message" ("nmo:sender");
CREATE INDEX "nmo:Message_nmo:to_ID" ON "nmo:Message_nmo:toID" (ID, "nmo:toID");
CREATE UNIQUE INDEX "nmo:Message_nmo:to_ID_ID" ON "nmo:Message_nmo:toID" ("nmo:toID", ID);
CREATE UNIQUE INDEX "nmo:MimePart_nmo:mimeHeader_ID_ID" ON "nmo:MimePart_nmo:mimeHeader" (ID, "nmo:mimeHeader");
CREATE UNIQUE INDEX "nmo:Multipart_nmo:partBoundary_ID_ID" ON "nmo:Multipart_nmo:partBoundary" (ID, "nmo:partBoundary");
CREATE UNIQUE INDEX "nmo:PhoneMessageFolder_nmo:containsPhoneMessageFolder_ID_ID" ON "nmo:PhoneMessageFolder_nmo:containsPhoneMessageFolder" (ID, "nmo:containsPhoneMessageFolder");
CREATE UNIQUE INDEX "nmo:PhoneMessageFolder_nmo:containsPhoneMessage_folder" (ID, "nmo:containsPhoneMessageFolder");
CREATE UNIQUE INDEX "nmo:PhoneMessage_nmo:toVCard_ID_ID" ON "nmo:PhoneMessage_nmo:toVCard" (ID, "nmo:toVCard");
CREATE UNIQUE INDEX "rdf:Property_rdfs:subPropertyOf_ID_ID" ON "rdf:Property_rdfs:subPropertyOf" (ID, "rdfs:subPropertyOf");
CREATE UNIQUE INDEX "rdfs:Class_rdfs:subClassOf_ID_ID" ON "rdfs:Class_rdfs:subClassOf" (ID, "rdfs:subClassOf");
CREATE UNIQUE INDEX "rdfs:Class_tracker:domainIndex_ID_ID" ON "rdfs:Class_tracker:domainIndex" (ID, "tracker:domainIndex");
CREATE UNIQUE INDEX "rdfs:Resource_dc:contributor_ID_ID" ON "rdfs:Resource_dc:contributor" (ID, "dc:contributor");
CREATE UNIQUE INDEX "rdfs:Resource_dc:contributor ID ID" ON "rdfs:Resource_dc:contributor" (ID, "dc:contributor");
CREATE UNIQUE INDEX "rdfs:Resource_nao:deprecated_ID_ID" ON "rdfs:Resource_nao:deprecated" (ID, "nalo:deprecated");
CREATE INDEX "rdfs:Resource_nao:hasTag ID_ID" ON "rdfs:Resource_nao:hasTag" (ID, "nalo:hasTag");
CREATE UNIQUE INDEX "rdfs:Resource_nao:hasTag ID_ID" ON "rdfs:Resource_nao:hasTag" (ID, "nalo:hasTag");
CREATE UNIQUE INDEX "rdfs:Resource_nao:isRelated_ID_ID" ON "rdfs:Resource_nao:isRelated" (ID, "nalo:isRelated");
EXPLAIN SELECT "1_u", (SELECT "nco:fullname" FROM "nco:Contact" WHERE ID = "1_u") COLLATE NOCASE, (SELECT "nco:nameFamily" FROM "nco:Contact" WHERE ID = "1_u") COLLATE NOCASE, (SELECT "nco:nameGiven" FROM "nco:PersonContact" WHERE ID = "1_u") COLLATE NOCASE, (SELECT "nco:nameAdditional" FROM "nco:PersonContact" WHERE ID = "1_u") COLLATE NOCASE, (SELECT "nco:nameHonorificPrefix" FROM "nco:PersonContact" WHERE ID = "1_u") COLLATE NOCASE, (SELECT "nco:nameHonorificSuffix" FROM "nco:PersonContact" WHERE ID = "1_u") COLLATE NOCASE, strftime("%s",(SELECT "nco:birthDate" FROM "nco:Contact" WHERE ID = "1_u")) COLLATE NOCASE, (SELECT "nie:url" FROM "nie:sso:nco:Contact" WHERE ID = "1_u") COLLATE NOCASE,
"nco:Role_nco:hasPostalAddress" AS
"nco:Role_nco:hasPostalAddress12" WHERE "1_u" =
"nco:PersonContact_nco:hasAffiliation11","ID" AND
"nco:PersonContact_nco:hasAffiliation11","nco:hasAffiliation" =
"nco:Role_nco:hasPostalAddress12","ID"),(SELECT
GROUP_CONCAT("10_u" COLLATE NOCASE, ',') FROM (SELECT
"nie:InformationElement_nao:hasProperty13","nao:hasProperty" AS
"8_u", "nao:Property14","nao:propertyName" AS "9_u",
"nao:Property14","nao:propertyValue" AS "10_u" FROM
"nie:InformationElement_nao:hasProperty" AS
"nie:InformationElement_nao:hasProperty13", "nao:Property" AS
"nao:Property14" WHERE "1_u" =
"nie:InformationElement_nao:hasProperty13","ID" AND
"nie:InformationElement_nao:hasProperty13","nao:hasProperty" =
"nao:Property14"."ID" AND "9_u" IS NOT NULL AND "10_u" IS NOT NULL AND "9_u" COLLATE NOCASE = ? COLLATE NOCASE))) FROM (SELECT
"nco:PersonContact1","ID" AS ") ORDER BY "1_u";
) {/.* Goto .*/}

finish_test

Found in path(s):
No license file was found, but licenses were detected in source scan.

without a shared lock, other processes are free to modify the database

Found in path(s):
No license file was found, but licenses were detected in source scan.

<a href="copyright.html">public domain</a>. But there also exist
proprietary, licensed extensions to SQLite, written and maintained
You are welcomed to use SQLite in closed source, proprietary, and/or

Found in path(s):
No license file was found, but licenses were detected in source scan.

Proprietary SQLite Extensions</h3>

Proprietary SQLite Extensions

You are welcomed to use SQLite in closed source, proprietary, and/or
Found in path(s):
No license file was found, but licenses were detected in source scan.

Suppose the demo_data.boundary field holds some proprietary data description

Found in path(s):
No license file was found, but licenses were detected in source scan.

<li>Sources are in the <a href="copyright.html">public domain</a>.
Rather than using fopen() to write XML or some proprietary format into

Found in path(s):
No license file was found, but licenses were detected in source scan.

# 2006 September 14
#
# The author disclaims copyright to this source code. In place of
# a legal notice, here is a blessing:
##
#  May you do good and not evil.
#  May you find forgiveness for yourself and forgive others.
#  May you share freely, never taking more than you give.
##
#*************************************************************************
# This file implements regression tests for SQLite library. The
# focus of this script is testing the FTS2 module.
#
# $Id: fts2c.test,v 1.1 2006/10/19 23:36:26 shess Exp $
#
set testdir [file dirname $argv0]
source $testdir/tester.tcl

# If SQLITE_ENABLE_FTS2 is defined, omit this file.
if capable !fts2 {
    finish_test
    return
}

# Create a table of sample email data. The data comes from email
# archives of Enron executives that was published as part of the
# litigation against that company.
#
do_test fts2c-1.1 {
  db eval {
    CREATE VIRTUAL TABLE email USING fts2([from],[to],subject,body);
    BEGIN TRANSACTION;
    INSERT INTO email([from],[to],subject,body) VALUES('savita.puthigai@enron.com', 'traders.eol@enron.com, traders.eol@enron.com', 'EnronOnline- Change to Autohedge', 'Effective Monday, October 22, 2001 the following changes will be made to the Autohedge functionality on EnronOnline.

    The volume on the hedge will now respect the minimum volume and volume increment settings on the parent product. See rules below:

    ?If the transaction volume on the child is less than half of the parent’s minimum volume no hedge will occur.
    ?If the transaction volume on the child is more than half the parent’s minimum volume but less than half the volume increment on the parent, the hedge will volume will be the parent’s minimum volume.
    ?For all other volumes, the same rounding rules will apply based on the volume increment on the parent product.

    Please see example below:

    Parent's Settings:
    Minimum: 5000
    Increment: 1000

    Volume on Autohedge transaction | Volume Hedged
    1   - 24990
    2500 - 54995000
    5500 - 64996000

    INSERT INTO email([from],[to],subject,body) VALUES('dana.davis@enron.com', 'laynie.east@enron.com, lisa.king@enron.com, lisa.best@enron.com', 'Leaving Early', 'FYI:
If it's ok with everyone’s needs, I would like to leave @4pm. If you think you will need my assistance past the 4 o’clock hour just let me know; I’ll be more than willing to stay.’);

    INSERT INTO email([from],[to],subject,body) VALUES('enron_update@concureworkplace.com', 'louise.kitchen@enron.com', '<<Concur Expense Document>> - CC02.06.02', 'The following expense report is ready for approval:

    Employee Name: Christopher F. Calger
    Status last changed by: Mollie E. Gustafson Ms
    Expense Report Name: CC02.06.02
    Report Total: $3,972.93
    Amount Due Employee: $3,972.93

    To approve this expense report, click on the following link for Concur Expense. http://expensexms.enron.com);
    INSERT INTO email([from],[to],subject,body) VALUES('jeff.duff@enron.com', 'julie.johnson@enron.com', 'Work request', 'Julie,
Could you print off the current work request report by 1:30 today?
Gentlemen,

I'd like to review this today at 1:30 in our office. Also, could you provide me with your activity reports so I can have Julie enter this information.

JD;
INSERT INTO email([from],[to],subject,body) VALUES('v.weldon@enron.com', 'gary.l.carrier@usa.dupont.com, scott.joyce@bankofamerica.com', 'Enron News', 'This could turn into something big.... http://biz.yahoo.com/rf/010129/n29305829.html');
INSERT INTO email([from],[to],subject,body) VALUES('mark.haedicke@enron.com', 'paul.simons@enron.com', 'Re: First Polish Deal!', 'Congrats! Things seem to be building rapidly now on the Continent. Mark');
INSERT INTO email([from],[to],subject,body) VALUES('e..carter@enron.com', 't..robinson@enron.com', 'FW: Producers Newsletter 9-24-2001', 'The producer lumber pricing sheet.'
-----Original Message-----
From: Johnson, Jay
Sent:Tuesday, October 16, 2001 3:42 PM
To:Carter, Karen E.
Subject:FW: Producers Newsletter 9-24-2001

-----Original Message-----
From: Daigre, Sergai
Sent:Friday, September 21, 2001 8:33 PM
Subject:Producers Newsletter 9-24-2001

');
INSERT INTO email([from],[to],subject,body) VALUES('david.delainey@enron.com', 'kenneth.lay@enron.com', 'Greater Houston Partnership', 'Ken, in response to the letter from Mr Miguel San Juan, my suggestion would be to offer up the Falcon for their use; however, given the tight time frame and your recent visit with Mr. Fox that it would be difficult for either you or me to participate.

I spoke to Max and he agrees with this approach.

I hope this meets with your approval.

Regards
Delainey');
INSERT INTO email([from],[to],subject,body) VALUES('lachandra.fenceroy@enron.com', 'lindy.donoho@enron.com', 'FW: Bus Applications Meeting Follow Up', 'Lindy,

Here is the original memo we discussed earlier. Please provide any information that you may have.

Your cooperation is greatly appreciated.
Thanks,

lachandra.fenceroy@enron.com
713.853.3884
877.498.3401 Pager

-----Original Message-----
From: Bisbee, Joanne
Sent:Wednesday, September 26, 2001 7:50 AM
To:Fenceroy, LaChandra
Subject:FW: Bus Applications Meeting Follow Up

Lachandra, Please get with David Duff today and see what this is about. Who are our TW accounting business users?

-----Original Message-----
From: Koh, Wendy
Sent:Tuesday, September 25, 2001 2:41 PM
To:Bisbee, Joanne
Subject:Bus Applications Meeting Follow Up

Lisa brought up a TW change effective Nov 1. It involves eliminating a turnback surcharge. I have no other information, but you might check with the business folks for any system changes required.

Wendy');

-----Original Message-----
From: Fagan, Fran
Sent:Thursday, December 20, 2001 11:10 AM
To:McCarty, Danny
Subject:worksheets

As discussed, attached are your sheets for bonus and merit.

Thanks,

Fran Fagan
Sr. HR Rep
713.853.5219

<< File: McCartyMerit.xls >> << File: mccartyBonusCommercial_UnP.xls >>
PLEASE SEND ME ANY REQUESTS THAT YOU HAVE FOR OCTOBER. SO FAR I HAVE THEM FOR LEAF. I WOULD LIKE TO HAVE IT DONE BY THE 15TH OF THE MONTH. ANY QUESTIONS PLEASE GIVE ME A CALL.

BERT

I spoke with Rickey (boy, is he long-winded!!). Gave him the name of our credit guy, Russell Diamond.

Thank for your help!

Here is the information on staffing and outside services. Call if you need anything else.

Jim

Attached you will find an excel document. The outages contained within are forced or rescheduled outages. Your daily delivery will still contain these outages.

In addition to the two excel documents, there is a dbf file that is formatted like your daily deliveries you receive nightly. This will enable you to load the data into your regular database. Any questions please let me know. Thanks.

Greg Elliott
IIR, Inc.
713-783-5147 x 3481
outages@industrialinfo.com

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You are invited to attend the EWS Brown Bag Lunch Series

Featuring:  RAY BOWEN, COO

Topic:  Enron Industrial Markets

Thursday, March 15, 2001
11:30 am - 12:30 pm
EB 5 C2

You bring your lunch, Limited Seating
We provide drinks and dessert. RSVP x 3-9610);

"Immer, Ingrid" <Ingrid.Immer@Williams.com> on 12/21/2000 11:48:47 AM
To: ""chris.germany@enron.com"" <chris.germany@enron.com>
cc: Subject: About St Pauls

I like the looks of this place. What do you think about going here Christmas eve?? They have an 11:00 a.m. service and a candlelight service at 5:00 p.m., among others.

Let me know.?? ii

- About St Pauls.url
INSERT INTO email([from],[to],subject,body) VALUES('nas@cpuc.ca.gov', 'skatz@sempratrading.com, kmccrea@sablaw.com, thompson@wrightlaw.com', 'Reply Brief filed July 31, 2000', ' - CPUC01-#76371-v1-Revised_Reply_Brief_due_today_7_31_.doc');

INSERT INTO email([from],[to],subject,body) VALUES('gascontrol@aglresources.com', 'dscott4@enron.com, lcampbel@enron.com', 'Alert Posted 10:00 AM November 20,2000: E-GAS Request Reminder', 'Alert Posted 10:00 AM November 20,2000: E-GAS Request Reminder

As discussed in the Winter Operations Meeting on Sept.29,2000, E-Gas(Emergency Gas) will not be offered this winter as a service from AGLC. Marketers and Poolers can receive gas via Peaking and IBSS nominations(daisy chain) from other marketers up to the 6 p.m. Same Day 2 nomination cycle.

');

INSERT INTO email([from],[to],subject,body) VALUES('dutch.quigley@enron.com', 'rwolkwitz@powermerchants.com', '', 'Here is a goody for you');

INSERT INTO email([from],[to],subject,body) VALUES('ryan.o''rourke@enron.com', 'k..allen@enron.com, randy.bhatia@enron.com, frank.ermis@enron.com', 'TRV Notification: (West VaR - 11/07/2001)', 'The report named: West VaR <http://trv.corp.enron.com/linkFromExcel.asp?report_cd=36&report_name=West+VaR&category_cd=2&category_name=WEST&toc_hide=1&sTV1=2&TV1Exp=Y&current_efct_date=11/07/2001>, published as of 11/07/2001 is now available for viewing on the website.);

INSERT INTO email([from],[to],subject,body) VALUES('mjones7@txu.com', 'cstone1@txu.com, ggreen2@txu.com, timpowell@txu.com', 'Enron / HPL Actuals for July 10, 2000', 'Teco Tap 10.000 / Enron ; LS HPL LSK IC 30.000 / Enron

');

INSERT INTO email([from],[to],subject,body) VALUES('susan.pereira@enron.com', 'kkw816@aol.com', 'soccer practice', 'Kathy-

Is it safe to assume that practice is cancelled for tonight??

Susan Pereira');

INSERT INTO email([from],[to],subject,body) VALUES('mark.whitt@enron.com', 'barry.tycholiz@enron.com', 'Huber Internal Memo', 'Please look at this. I didn’t know how deep to go with the desk. Do you think this works.

');

INSERT INTO email([from],[to],subject,body) VALUES('m..forney@enron.com', 'george.phillips@enron.com', '', 'George,

Give me a call and we will further discuss opportunities on the 13st floor. Thanks,

JMForney 3-7160');

INSERT INTO email([from],[to],subject,body) VALUES('brad.mckay@enron.com', 'angusmcka@aol.com', 'Re: (no subject)', 'not yet');

INSERT INTO email([from],[to],subject,body) VALUES('adam.bayer@enron.com', 'jonathan.mckay@enron.com', '', '');
'FW: Curve Fetch File', 'Here is the curve fetch file sent to me. It has plenty of points in it. If you give me a list of which ones you need we may be able to construct a secondary worksheet to vlookup the values.

adam
35227

-----Original Message-----
From: Royed, Jeff
Sent:Tuesday, September 25, 2001 11:37 AM
To:Bayer, Adam
Subject:Curve Fetch File

Let me know if it works. It may be required to have a certain version of Oracle for it to work properly.

Jeff Royed
Enron
Energy Operations
Phone: 713-853-5295);

The merged reports look great. I believe the only orientation changes are to "unmerge" the following six reports:

31 Keystone Receipts
15 Questar Pipeline
40 Rockies Production
22 West_2
23 West_3
25 CIG_WIC

The orientation of the individual reports should be correct. Thanks.

Mat

PS. Just a reminder to add the "*" by the title of calculated points.');

"Karkour, Randa" <Randa.Karkour@COMPAQ.com> on 09/07/2000 09:01:04 AM
To: "'Agheb (E-mail)" <Agheb@aol.com>, "Leila Mankarious (E-mail)"
<Leila_Mankarious@mhhs.org>, "'Marymankarious (E-mail)"
<marymankarious@aol.com>, "Michelle lokay (E-mail)" <mlokay@enron.com>, "Ramy
Subject: Egyptian Festival

<<Egyptian Festival.url>>

http://www.egyptianfestival.com/

Thanks

---------------------- Forwarded by Errol McLaughlin/Corp/Enron on 12/20/2000 08:39 AM -----------------------------

From: William Kelly @ ECT 12/20/2000 08:31 AM

To: Kam Keiser/HOU/ECT@ECT, Darron C Giron/HOU/ECT@ECT, David Baumbach/HOU/ECT@ECT, Errol McLaughlin/Corp/Enron@ENRON
cc: Kimat Singla/HOU/ECT@ECT, Kulvinder Fowler/NA/Enron@ENRON, Kyle R Lilly/HOU/ECT@ECT, Jeff Royed/Corp/Enron@ENRON, Alejandra Chavez/NA/Enron@ENRON, Crystal Hyde/HOU/ECT@ECT

Subject: New EAST books

We have new book names in TAGG for our intramonth portfolios and it is extremely important that any deal booked to the East is communicated quickly to someone on my team. I know it will take some time for the new names to sink in and I do not want us to miss any positions or P&L.

Thanks for your help on this.

New:
Scott Neal : East Northeast
Dick Jenkins: East Marketeast

WK

');

INSERT INTO email([from],[to],subject,body) VALUES('david.forster@enron.com', 'eol.wide@enron.com', 'Change to Stack Manager', 'Effective immediately, there is a change to the Stack Manager which will affect any Inactive Child.'
An inactive Child with links to Parent products will not have their calculated prices updated until the Child product is Activated.

When the Child Product is activated, the price will be recalculated and updated BEFORE it is displayed on the web.

This means that if you are inputting a basis price on a Child product, you will not see the final, calculated price until you Activate the product, at which time the customer will also see it.

If you have any questions, please contact the Help Desk on:

Americas: 713 853 4357
Europe: + 44 (0) 20 7783 7783
Asia/Australia: +61 2 9229 2300

Dave');
INSERT INTO email([from],[to],subject,body) VALUES('vince.kaminski@enron.com', 'jhh1@email.msn.com', 'Re: Light reading - see pieces beginning on page 7', 'John,

I saw it. Very interesting.

Vince

"John H Herbert" <jhh1@email.ms.com> on 07/28/2000 08:38:08 AM
To: "Vince J Kaminski" <Vince_J_Kaminski@enron.com>
cc: Subject: Light reading - see pieces beginning on page 7

Cheers and have a nice weekend,

JHHerbert

- gd000728.pdf

');
INSERT INTO email([from],[to],subject,body) VALUES('matthew.lenhart@enron.com', 'mmmarcantel@equiva.com', 'RE:', 'i will try to line up a pig for you');
INSERT INTO email([from],[to],subject,body) VALUES('jae.black@enron.com', 'claudette.harvey@enron.com, chaun.roberts@enron.com, judy.martinez@enron.com,', 'Disaster Recovery Equipment', 'As a reminder...there are several pieces of equipment that are set up on the 30th Floor, as well as on our floor, for the Disaster Recovery Team. PLEASE DO NOT TAKE, BORROW OR USE this equipment. Should you need to use another computer system, other than yours, or make conference calls please work with your Assistant to help find or set up equipment for you to use.

Thanks for your understanding in this matter.

T.Jae Black
East Power Trading
Assistant to Kevin Presto
off. 713-853-5800
fax 713-646-8272
cell 713-539-4760');
INSERT INTO email([from],[to],subject,body) VALUES('eric.bass@enron.com', 'dale.neuner@enron.com', '5 X 24', 'Dale,

Have you heard anything more on the 5 X 24s? We would like to get this product out ASAP.

Thanks,

Eric');
INSERT INTO email([from],[to],subject,body) VALUES('messenger@smartreminders.com', 'm..tholt@enron.com', '10% Coupon - PrintPal Printer Cartridges - 100% Guaranteed', 'Dear SmartReminders Member,

[IMAGE][IMAGE][IMAGE][IMAGE]

[IMAGE][IMAGE][IMAGE][IMAGE][IMAGE][IMAGE][IMAGE][IMAGE]

[IMAGE][IMAGE][IMAGE][IMAGE][IMAGE][IMAGE][IMAGE][IMAGE]
We respect your privacy and are a Certified Participant of the BBBOnLine Privacy Program. To be removed from future offers, click here.

SmartReminders.com is a permission based service. To unsubscribe click here.

INSERT INTO email ([from], [to], [subject], [body]) VALUES ('benjamin.rogers@enron.com', 'mark.bernstein@enron.com', '', 'The guy you are talking about left CIN under a "cloud of suspicion" sort of speak. He was the one who got into several bad deals and PPA's in California for CIN, thus he left on a bad note. Let me know if you need more detail than that, I felt this was the type of info you were looking for. Thanks!
Ben');

INSERT INTO email ([from], [to], [subject], [body]) VALUES ('enron_update@concureworkplace.com', 'michelle.cash@enron.com', 'Expense Report Receipts Not Received', 'Employee Name: Michelle Cash
Report Name: Houston Cellular 8-11-01
Report Date: 12/13/01
Report ID: 594D37C9ED2111D5B452
Submitted On: 12/13/01

You are only allowed 2 reports with receipts outstanding. Your expense reports will not be paid until you meet this requirement."

INSERT INTO email ([from], [to], [subject], [body]) VALUES ('susan.mara@enron.com', 'ray.alvarez@enron.com, karen.denne@enron.com', 'CAISO Emergency Motion -- to discontinue market-based rates for', 'FYI. the latest broadside against the generators.

Sue Mara
Enron Corp.
Tel: (415) 782-7802
Fax:(415) 782-7854
----- Forwarded by Susan J Mara/NA/Enron on 06/08/2001 12:24 PM -----
"Milner, Marcie" <MMilner@coral-energy.com> 06/08/2001 11:13 AM To: ""smara@enron.com"
<smara@enron.com> cc: Subject: CAISO Emergency Motion

Sue, did you see this emergency motion the CAISO filed today? Apparently they are requesting that FERC discontinue market-based rates immediately and grant refunds plus interest on the difference between cost-based rates and market revenues received back to May 2000. They are requesting the commission act within 14 days. Have you heard anything about what they are doing?

Marcie

Who is General Brinks?

Fletch;

Here are the documents that Peter has prepared for Mark Frevert.

Nailia

---------------------- Forwarded by Nailia Dindarova/LON/ECT on 25/06/2001 16:36 ---------------------------

Nailia Dindarova
25/06/2001 15:36
To: Michael Brown/Enron@EUEnronXGate
cc: Ross Sankey/Enron@EUEnronXGate, Eric Shaw/ENRON@EUEnronXGate, Peter Styles/LON/ECT@ECT

Subject: Documents for Mark Frevert (on EU developments and lessons from California)

Michael,

These are the documents that Peter promised to give to you for Mark Frevert. He has now handed them to him in person but asked me to transmit them electronically to you, as well as Eric and Ross.

Nailia

')

Attached are our comments and suggested changes. Please call to review.

On the time line for completion, we have four critical steps to complete:

- Finalize market analysis to refine business case, specifically
- projected revenue stream
Complete counterparty surveying, including targeting 3 CPs for letters of intent
Review Enron asset base for potential reuse/licensing
Contract negotiations

Joe will come back to us with an updated time line, but it is my expectation that we are still on the same schedule (we just begun week three) with possibly a week or so slippage.....contract negotiations will probably be the critical path.

We will send our cut at the actual time line here shortly. Thanks,

Peggy

(See attached file: accenture-dealpoints v2.doc)
- accenture-dealpoints v2.doc ');
INSERT INTO email([from],[to],subject,body) VALUES('thomas.martin@enron.com', 'thomas.martin@enron.com', 'Re: Guadalupe Power Partners LP', '---------------------- Forwarded by Thomas A Martin/HOU/ECT on 03/20/2001 03:49 PM ---------------------------

Thomas A Martin
10/11/2000 03:55 PM
To: Patrick Wade/HOU/ECT@ECT
cc:
Subject: Re: Guadalupe Power Partners LP

The deal is physically served at Oasis Waha or Oasis Katy and is priced at either HSC, Waha or Katytailgate GD at buyers option three days prior to NYMEX close.

');
INSERT INTO email([from],[to],subject,body) VALUES('judy.townsend@enron.com', 'dan.junek@enron.com, chris.germany@enron.com', 'Columbia Distribution''s Capacity Available for Release - Sum', '---------------------- Forwarded by Judy Townsend/HOU/ECT on 03/09/2001 11:04 AM ---------------------------

agoddard@nisource.com on 03/08/2001 09:16:57 AM
To: " - *Koch, Kent" <kkoch@nisource.com>, " - *Millar, Debra" <dmillar@nisource.com>, " - *Burke, Lynn" <lburke@nisource.com>
cc: " - *Heckathorn, Tom" <theckathorn@nisource.com>
Subject: Columbia Distribution''s Capacity Available for Release - Sum

Attached is Columbia Distribution''s notice of capacity available for release for

Please note that the deadline for bids is 3:00pm EST on March 20, 2001.

If you have any questions, feel free to contact any of the representatives listed at the bottom of the attachment.

Aaron Goddard

- 2001Summer.doc

');

INSERT INTO email([from],[to],subject,body) VALUES('rhonda.denton@enron.com', 'tim.belden@enron.com, dana.davis@enron.com, genia.fitzgerald@enron.com,','Split Rock Energy LLC', 'We have received the executed EEI contract from this CP dated 12/12/2000. Copies will be distributed to Legal and Credit.');

INSERT INTO email([from],[to],subject,body) VALUES('kerrymcelroy@dwt.com', 'jack.speer@alcoa.com, crow@millernash.com, michaelearly@earthlink.net,','Oral Argument Request', '' - Oral Argument Request.doc');

INSERT INTO email([from],[to],subject,body) VALUES('mike.carson@enron.com', 'rilmichaelis@hormel.com', ',','Did you come in town this wk end..... My new number at our house is : 713-668-3712...... my cell # is 281-381-7332 the kid');

INSERT INTO email([from],[to],subject,body) VALUES('cooper.richey@enron.com', 'trycooper@hotmail.com', 'FW: Contact Info', ' ');

-----Original Message-----
From: Punja, Karim
Sent: Thursday, December 13, 2001 2:35 PM
To: Richey, Cooper
Subject: Contact Info

Cooper,

Its been a real pleasure working with you (even though it was for only a small amount of time)
I hope we can stay in touch.

Home# 234-0249
e-mail: kpunja@hotmail.com

Take Care,

Karim.

');
I haven’t talked to many of you via email recently but I do want to give you my new address for your email file:

bjm30@earthlink.net

I hope all is well.

Brian McGuinn);

INSERT INTO email([from],[to],subject,body) VALUES('shelley.corman@enron.com', 'steve.hotte@enron.com', 'Flat Panels', 'Can you please advise what is going on with the flat panels that we had planned to distribute to our gas logistics team. It was in the budget and we had the okay, but now I’m hearing there is some hold-up & the units are stored on 44.

Shelley');

INSERT INTO email([from],[to],subject,body) VALUES('sara.davidson@enron.com', 'john.schwartzenburg@enron.com, scott.dieball@enron.com, recipients@enron.com', '2001 Enron Law Conference (Distribution List 2)', ’ Enron Law Conference
San Antonio, Texas May 2-4, 2001 Westin Riverwalk

See attached memo for more details!!

? Registration for the law conference this year will be handled through an Online RSVP Form on the Enron Law Conference Website at http://lawconference.corp.enron.com. The website is still under construction and will not be available until Thursday, March 15, 2001.

? We will send you another e-mail to confirm when the Law Conference Website is operational.

? Please complete the Online RSVP Form as soon as it is available and submit it no later than Friday, March 30th.

');

INSERT INTO email([from],[to],subject,body) VALUES('tori.kuykendall@enron.com', 'heath.b.taylor@accenture.com', 'Re:', 'hey - thats funny about john - he definitely remembers him - i’ll call pat and let him know - we are coming on saturday - i just havent had a chance to call you guys back -- looking forward to it -- i probably need the directions again though’);

INSERT INTO email([from],[to],subject,body) VALUES('darron.giron@enron.com', 'bryce.baxter@enron.com', 'Re: Feedback for Audrey Cook', 'Bryce,
I'll get it done today.

DG 3-9573

From: Bryce Baxter                           06/12/2000 07:15 PM

To: Darron C Giron/HOU/ECT@ECT
cc:
Subject: Feedback for Audrey Cook

You were identified as a reviewer for Audrey Cook. If possible, could you complete her feedback by end of business Wednesday? It will really help me in the PRC process to have your input. Thanks.

');

INSERT INTO email([from],[to],subject,body) VALUES('casey.evans@enron.com', 'stephanie.sever@enron.com', 'Gas EOL ID', 'Stephanie,

In conjunction with the recent movement of several power traders, they are changing the names of their gas books as well. The names of the new gas books and traders are as follows:

PWR-NG-LT-SPP: Mike Carson
PWR-NG-LT-SERC: Jeff King

If you need to know their power desk to map their ID to their gas books, those desks are as follows:

EPMI-LT-SPP: Mike Carson
EPMI-LT-SERC: Jeff King

I will be in training this afternoon, but will be back when class is over. Let me know if you have any questions.

Thanks for your help!
Casey');

INSERT INTO email([from],[to],subject,body) VALUES('darrell.schoolcraft@enron.com', 'david.roensch@enron.com, kimberly.watson@enron.com, michelle.lokay@enron.com.', 'Postings', 'Please see the attached.

ds
It was an honor and a pleasure to meet both of you yesterday. I know we will have fun working together on this very special event.

Jeff left the jurisprudence luncheon lists for me before he left on vacation. I wasn’t sure whether he transmitted them to you as well. Would you please advise me if you would like them sent to you? I can email the MS Excel files or I can fax the hard copies to you. Please advise what is most convenient.

I plan to be in town through the holidays and can be reached by phone, email, or cell phone at any time. My cell phone number is 713/705-4829.

Thanks again for your interest in the ADL’s work. Martin.

Martin B. Cominsky
Director, Southwest Region
Anti-Defamation League
713/627-3490, ext. 122
713/627-2011 (fax)
MCominsky@aol.com

Pursuant to your request, attached are the Schedule to the ISDA Master Agreement, together with Paragraph 13 to the ISDA Credit Support Annex. Please let me know if you need anything else. We look forward to hearing your comments.

Marie

Marie Heard
Senior Legal Specialist
Enron North America Corp.
Phone: (713) 853-3907
Fax: (713) 646-3490
marie.heard@enron.com

')
INSERT INTO email([from],[to],subject,body) VALUES('andrea.ring@enron.com', 'beverly.beaty@enron.com', 'Re: Tennessee Buy - Louis Dreyfus', 'Beverly - once again thanks so much for your help on this.'
INSERT INTO email([from],[to],subject,body) VALUES('karolyn.criado@enron.com', 'j..bonin@enron.com, felicia.case@enron.com, b..clapp@enron.com', 'Price List week of Oct. 8-9, 2001', '

Please contact me if you have any questions regarding last weeks prices.

Thank you,
Karolyn Criado
3-9441

INSERT INTO email([from],[to],subject,body) VALUES('kevin.presto@enron.com', 'edward.baughman@enron.com, billy.braddock@enron.com', 'Associated', 'Please begin working on filling our Associated short position in 02. I would like to take this risk off the books.

In addition, please find out what a buy-out of VEPCO would cost us. With Rogers transitioning to run our retail risk management, I would like to clean up our customer positions.

We also need to continue to explore a JEA buy-out.

Thanks.');
INSERT INTO email([from],[to],subject,body) VALUES('stacy.dickson@enron.com', 'gregg.penman@enron.com', 'RE: Constellation TC 5-7-01', 'Gregg,

I am at home with a sick baby. (Lots of fun!) I will call you about this tomorrow.

Stacy');
INSERT INTO email([from],[to],subject,body) VALUES('joe.quenet@enron.com', 'dfincher@utilicorp.com', '', 'hey big guy.....check this out....
www.gorelieberman-2000.com/');
INSERT INTO email([from],[to],subject,body) VALUES('k..allen@enron.com', 'jacqestc@aol.com', '', 'Jacques,

I sent you a fax of Kevin Kolb’s comments on the release. The payoff on the note would be $36,248 ($36090(principal) + $158 (accrued interest)). This is assuming we wrap this up on Tuesday.

Please email to confirm that their changes are ok so I can set up a meeting on Tuesday to reach closure.

Phillip');
INSERT INTO email([from],[to],subject,body) VALUES('kourtney.nelson@enron.com', 'mike.swerzbin@enron.com', 'Adjusted L/R Balance', 'Mike,
I placed the adjusted L/R Balance on the Enronwest site. It is under the "Staff/Kourtney Nelson". There are two links:

1) "Adj L_R" is the same data/format from the weekly strategy meeting.
2) "New Gen 2001_2002" link has all of the supply side info that is used to calculate the L/R balance
-Please note the Data Flag column, a value of "3" indicates the project was cancelled, on hold, etc and is not included in the calc.

Both of these sheets are interactive Excel spreadsheets and thus you can play around with the data as you please. Also, James Bruce is working to get his gen report on the web. That will help with your access to information on new gen.

Please let me know if you have any questions or feedback,

Kourtney

Kourtney Nelson
Fundamental Analysis
Enron North America
(503) 464-8280
kourtney.nelson@enron.com

-----Original Message-----
From: Grace, Rebecca M.
Sent: Monday, December 17, 2001 9:44 AM
To: Thomas, Paul D.
Cc: Cashion, Jim; Allen, Thresa A.; May, Tom
Subject: RE: Current Enron TCC Portfolio

Paul,

I reviewed NY”s list. I agree with all of their contracts numbers and mw amounts.

Call if you have any more questions.

Rebecca

-----Original Message-----
From: Thomas, Paul D.
Sent:Monday, December 17, 2001 9:08 AM
To: Grace, Rebecca M.
Subject: FW: Current Enron TCC Portfolio

<< File: enrontccs.xls >>
Rebecca,
Let me know if you see any differences.

Paul
X 3-0403
-----Original Message-----
From: Thomas, Paul D.
Sent: Monday, December 17, 2001 9:04 AM
To: Ahmed, Naveed
Subject: FW: Current Enron TCC Portfolio

-----Original Message-----
From: Thomas, Paul D.
Sent: Thursday, December 13, 2001 10:01 AM
To: Baughman, Edward D.
Subject: Current Enron TCC Portfolio

');
INSERT INTO email(from,to,subject,body) VALUES('stephanie.panus@enron.com',
'william.bradford@enron.com, debbie.brackett@enron.com',
'Coastal Merchant Energy/El Paso Merchant Energy',
'Coastal Merchant Energy, L.P. merged with and into El Paso Merchant Energy,
L.P., effective February 1, 2001, with the surviving entity being El Paso
Merchant Energy, L.P. We currently have ISDA Master Agreements with both
counterparties. Please see the attached memo regarding the existing Masters
and let us know which agreement should be terminated.

Thanks,
Stephanie
');
INSERT INTO email(from,to,subject,body) VALUES('kam.keiser@enron.com',
'c..kenne@enron.com', 'RE: What about this too???, '

-----Original Message-----
From: Kenne, Dawn C.
Sent: Wednesday, February 06, 2002 11:50 AM
To: Keiser, Kam
Subject: What about this too???

<< File: Netco Trader Matrix.xls >>
INSERT INTO email([from],[to],subject,body) VALUES('chris.meyer@enron.com', 'joe.parks@enron.com', 'Centana', 'Talked to Chip. We do need Cash Committe approval given the netting feature of your deal, which means Batch Funding Request. Please update per my previous e-mail and forward.

Thanks

chris
x31666');

INSERT INTO email([from],[to],subject,body) VALUES('debra.perlingiere@enron.com', 'jworman@academyofhealth.com', '', 'Have a great weekend! Happy Fathers Day!

Debra Perlingiere
Enron North America Corp.
1400 Smith Street, EB 3885
Houston, Texas 77002
dperlin@enron.com
Phone 713-853-7658
Fax 713-646-3490');

INSERT INTO email([from],[to],subject,body) VALUES('outlook.team@enron.com', '', 'Demo by Martha Janousek of Dashboard & Pipeline Profile / Julia &', 'CALENDAR ENTRY:APPOINTMENT

Description:
Demo by Martha Janousek of Dashboard & Pipeline Profile / Julia & Dir Rpts. - 4102

Date: 1/5/2001
Time: 9:00 AM - 10:00 AM (Central Standard Time)

Chairperson: Outlook Migration Team

Detailed Description: ');

INSERT INTO email([from],[to],subject,body) VALUES('diana.seifert@enron.com', 'mark.taylor@enron.com', 'Guest access Chile', 'Hello Mark,

Justin Boyd told me that your can help me with questions regarding Chile.
We got a request for guest access through MG.
The company is called Escondida and is a subsidiary of BHP Australia.

Please advise if I can set up a guest account or not.
F.Y.I.: MG is planning to put a "in w/h Chile" contract for Copper on-line as soon as Enron has done the due diligence for this country.
Thanks!

Best regards

Diana Seifert
Status last changed by: Barry L. Tycholiz
Expense Report Name: 121001
Report Total: $198.98
Amount Due Employee: $198.98
Amount Approved: $198.98
Amount Paid: $0.00
Approval Status: Approved
Payment Status: Pending

To review this expense report, click on the following link for Concur Expense.
http://expensexms.enron.com/

Please refer to the Worldwide Customer Support card for a complete technical support contact list.'
running the reports now

-----Original Message-----
From: Storey, Geoff
Sent:Wednesday, October 31, 2001 10:10 AM
To:Quigley, Dutch
Subject:RE:
give me a contact over there too
BP

-----Original Message-----
From: Quigley, Dutch
Sent:Wednesday, October 31, 2001 9:42 AM
To:Storey, Geoff
Subject:

CoralJeff Whitnah713-767-5374
RelaintSteve McGinn713-207-4000');
INSERT INTO email([from],[to],subject,body) VALUES('pete.davis@enron.com', 'pete.davis@enron.com', 'Start Date: 4/22/01; HourAhead hour: 3;  <CODESITE>', 'Start Date: 4/22/01; HourAhead hour: 3;  No ancillary schedules awarded.
Variance detected.
Variance detected in Load schedule.

LOG MESSAGES:

PARSING FILE --> O:\Portland\WestDesk\California Scheduling\ISO Final Schedules\2001042203.txt

---- Load Schedule ----
$$$ Variance found in table tblLoads.
Details: (Hour: 3 / Preferred: 1.92 / Final: 1.89)
TRANS_TYPE: FINAL
LOAD_ID: PGE4
MKT_TYPE: 2
TRANS_DATE: 4/22/01
SC_ID: EPMI

');
INSERT INTO email([from],[to],subject,body) VALUES('john.postlethwaite@enron.com', 'john.zufferli@enron.com', 'Reference', 'John, hope things are going well up there for you. The big day is almost here for you and Jessica. I was wondering if I could use your name as a job reference if need be. I am just trying to get everything in order just in case something happens.

John');
INSERT INTO email([from],[to],subject,body) VALUES('jeffrey.shankman@enron.com', 'lschiffm@jonesday.com', 'Re', 'I saw you called on the cell this a.m. Sorry I missed you. (I was in the shower). I have had a shitty week--I suspect my silence (not only to you, but others) after our phone call is a result of the week. I'm seeing Glen at 11:15....talk to you');

INSERT INTO email([from],[to],subject,body) VALUES('litebytz@enron.com', '', 'Lite Bytz RSVP', '');

This week’s Lite Bytz presentation will feature the following TOOLZ speaker:

Richard McDougall
Solaris 8
Thursday, June 7, 2001

If you have not already signed up, please RSVP via email to litebytz@enron.com by the end of the day Tuesday, June 5, 2001.

*Remember: this is now a Brown Bag Event--so bring your lunch and we will provide cookies and drinks.

Click below for more details.

http://home.enron.com:84/messaging/litebytztolzprint.jpg';

    COMMIT;

} {}

*******************************************************************************
# Everything above just builds an interesting test database. The actual
# tests come after this comment.
*******************************************************************************

do_test fts2c-1.2 {
    execsql {
        SELECT rowid FROM email WHERE email MATCH 'mark'
    }
} {6 17 25 38 40 42 73 74}
do_test fts2c-1.3 {
    execsql {
        SELECT rowid FROM email WHERE email MATCH 'susan'
    }
} {24 40}
do_test fts2c-1.4 {
    execsql {
        SELECT rowid FROM email WHERE email MATCH 'mark susan'
    }
} {40}
do_test fts2c-1.5 {
    execsql {
        SELECT rowid FROM email WHERE email MATCH 'susan mark'
    }
}
do_test fts2c-1.6 {
  execsql {
    SELECT rowid FROM email WHERE email MATCH '"mark susan"
  }
}
}
do_test fts2c-1.7 {
  execsql {
    SELECT rowid FROM email WHERE email MATCH 'mark -susan'
  }
}
}
do_test fts2c-1.8 {
  execsql {
    SELECT rowid FROM email WHERE email MATCH '-mark susan'
  }
}
}
do_test fts2c-1.9 {
  execsql {
    SELECT rowid FROM email WHERE email MATCH 'mark OR susan'
  }
}
}

do_test fts2c-2.1 {
  execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE email MATCH 'gas reminder'
  }
}
}
do_test fts2c-2.2 {
  execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE email MATCH 'subject:gas reminder'
  }
}
}
do_test fts2c-2.3 {
  execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE email MATCH 'body:gas reminder'
  }
}
}
do_test fts2c-2.4 {
  execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE subject MATCH 'gas reminder'
  }
}

do_test fts2c-2.5 {
    execsql {
        SELECT rowid, offsets(email) FROM email
        WHERE body MATCH 'gas reminder'
    }
} {20 {2 0 42 3 2 1 54 8}}

do_test fts2c-3.1 {
    execsql {
        SELECT rowid, offsets(email) FROM email
        WHERE body MATCH 'child product' AND +rowid=32
    }
} {32 {3 0 94 5 3 0 114 5 3 0 207 5 3 1 213 7 3 0 245 5 3 1 251 7 3 0 409 5 3 1 415 7 3 1 493 7}}

do_test fts2c-3.2 {
    execsql {
        SELECT rowid, offsets(email) FROM email
        WHERE body MATCH "child product"
    }
} {32 {3 0 207 5 3 1 213 7 3 0 245 5 3 1 251 7 3 0 409 5 3 1 415 7}}

# Snippet generator tests
#

do_test fts2c-4.1 {
    execsql {
        SELECT snippet(email) FROM email
        WHERE email MATCH 'subject:gas reminder'
    }
} {{Alert Posted 10:00 AM November 20,2000: E-<b>GAS</b> Request <b>Reminder</b>}}

do_test fts2c-4.2 {
    execsql {
        SELECT snippet(email) FROM email
        WHERE email MATCH 'christmas candlelight'
    }
} {{<b>...</b> place.? What do you think about going here <b>Christmas</b>eve?? They have an 11:00 a.m. service and a <b>candlelight</b> service at 5:00 p.m., among others. <b>...</b>}}


do_test fts2c-4.3 {
    execsql {
        SELECT snippet(email) FROM email
        WHERE email MATCH 'deal sheet potential reuse'
    }
}
{EOL-Accenture <b>Deal</b> <b>Sheet</b> <b>...</b> intent
Review Enron asset base for <b>potential</b> <b>reuse</b>/ licensing
Contract negotiations <b>...</b> }

\[
\text{do}\_\text{test}\ fts2c-4.4\ \{\ 
\begin{align*}
&\text{execsql}\ \{\ 
&\begin{array}{l}
\text{SELECT snippet(email,'<<<','>>>',' ') FROM email}
\text{WHERE email MATCH 'deal sheet potential reuse'}
\end{array}
\}
\}
\end{align*}
\]

\[
\text{do}\_\text{test}\ fts2c-4.5\ \{\ 
\begin{align*}
&\text{execsql}\ \{\ 
&\begin{array}{l}
\text{SELECT snippet(email,'<<<','>>>',' ') FROM email}
\text{WHERE email MATCH 'first things'}
\end{array}
\}
\}
\end{align*}
\]

\[
\text{do}\_\text{test}\ fts2c-4.6\ \{\ 
\begin{align*}
&\text{execsql}\ \{\ 
&\begin{array}{l}
\text{SELECT snippet(email) FROM email}
\text{WHERE email MATCH 'chris is here'}
\end{array}
\}
\}
\end{align*}
\]

\[
\text{do}\_\text{test}\ fts2c-4.7\ \{\ 
\begin{align*}
&\text{execsql}\ \{\ 
&\begin{array}{l}
\text{SELECT snippet(email) FROM email}
\text{WHERE email MATCH '"pursuant to'"}
\end{array}
\}
\}
\end{align*}
\]

\[
\text{do}\_\text{test}\ fts2c-4.8\ \{\ 
\begin{align*}
&\text{execsql}\ \{\ 
&\begin{array}{l}
\text{SELECT snippet(email) FROM email}
\text{WHERE email MATCH 'ancillary load davis'}
\end{array}
\}
\}
\end{align*}
\]

\[
\text{do}\_\text{test}\ fts2c-4.9\ \{\ 
\begin{align*}
&\text{execsql}\ \{\ 
&\begin{array}{l}
\text{SELECT snippet(email) FROM email}
\text{WHERE email MATCH 'ancillary load davis'}
\end{array}
\}
\}
\end{align*}
\]

Erin:

\[
\text{Pursuant to your request, attached are the Schedule to }\b\text{your request, attached are the Schedule to }\b\text{ here }\b\text{...}/b\text{)
\end{align*}
\]

\[
\text{do}\_\text{test}\ fts2c-4.10\ \{\ 
\begin{align*}
&\text{execsql}\ \{\ 
&\begin{array}{l}
\text{SELECT snippet(email) FROM email}
\text{WHERE email MATCH '"pursuant to'"}
\end{array}
\}
\}
\end{align*}
\]

\[
\text{do}\_\text{test}\ fts2c-4.11\ \{\ 
\begin{align*}
&\text{execsql}\ \{\ 
&\begin{array}{l}
\text{SELECT snippet(email) FROM email}
\text{WHERE email MATCH 'ancillary load davis'}
\end{array}
\}
\}
\end{align*}
\]

\[
\text{do}\_\text{test}\ fts2c-4.12\ \{\ 
\begin{align*}
&\text{execsql}\ \{\ 
&\begin{array}{l}
\text{SELECT snippet(email) FROM email}
\text{WHERE email MATCH 'ancillary load davis'}
\end{array}
\}
\}
\end{align*}
\]

\[
\text{do}\_\text{test}\ fts2c-4.13\ \{\ 
\begin{align*}
&\text{execsql}\ \{\ 
&\begin{array}{l}
\text{SELECT snippet(email) FROM email}
\text{WHERE email MATCH 'ancillary load davis'}
\end{array}
\}
\}
\end{align*}
\]

PETE: <b>davis</b>@enron.com <b>...</b> Start Date: 4/22/01; HourAhead hour: 3; No <b>ancillary</b>schedules awarded.
Variance detected.
Variance detected in <b>Load</b> schedule.

LOG MESSAGES:

PARSING <b>...</b>}

# Combinations of AND and OR operators:
This file implements regression tests for SQLite library. The focus of this script is testing the FTS1 module.

$Id: fts1c.test,v 1.11 2006/10/04 17:35:28 drh Exp$

set testdir [file dirname $argv0]
source $testdir/tester.tcl

# If SQLite_ENABLE_FTS1 is defined, omit this file.
if capable !fts1 {
    finish_test
    return
}

# Create a table of sample email data. The data comes from email archives of Enron executives that was published as part of the litigation against that company.

do_test fts1c-1.1 {
    db eval {
        CREATE VIRTUAL TABLE email USING fts1([from],[to],subject,body);
        BEGIN TRANSACTION;
        INSERT INTO email([from],[to],subject,body) VALUES('savita.puthigai@enron.com', 'traders.eol@enron.com, traders.eol@enron.com', 'EnronOnline- Change to Autohedge', 'Effective Monday, October 22, 2001 the following changes will be made to the Autohedge functionality on EnronOnline.

The volume on the hedge will now respect the minimum volume and volume increment settings on the parent product. See rules below:

?If the transaction volume on the child is less than half of the parent’s minimum volume no hedge will occur.
?If the transaction volume on the child is more than half the parent’s minimum volume but less than half the volume increment on the parent, the hedge will volume will be the parent’s minimum volume.
?For all other volumes, the same rounding rules will apply based on the volume increment on the parent product.

Please see example below:

Parent’s Settings:
Minimum: 5000
Increment: 1000

Volume on Autohedge transactionVolume Hedged
1 - 24990
2500 - 54995000
5500 - 64996000);

INSERT INTO email([from],[to],subject,body) VALUES('dana.davis@enron.com', 'laynie.east@enron.com, lisa.king@enron.com, lisa.best@enron.com', 'Leaving Early', 'FYI: If it’s ok with everyone’s needs, I would like to leave @4pm. If you think
you will need my assistance past the 4 o’clock hour just let me know; I’ll be more than willing to stay.’);

INSERT INTO email([from],[to],subject,body) VALUES('enron_update@concureworkplace.com', 'louise.kitchen@enron.com', '<Concur Expense Document> - CC02.06.02', 'The following expense report is ready for approval:

Employee Name: Christopher F. Calger
Status last changed by: Mollie E. Gustafson Ms
Expense Report Name: CC02.06.02
Report Total: $3,972.93
Amount Due Employee: $3,972.93

To approve this expense report, click on the following link for Concur Expense.
http://expensexms.enron.com/');

INSERT INTO email([from],[to],subject,body) VALUES('jeff.duff@enron.com', 'julie.johnson@enron.com', 'Work request', 'Julie,
Could you print off the current work request report by 1:30 today?

Gentlemen,

I’d like to review this today at 1:30 in our office. Also, could you provide me with your activity reports so I can have Julie enter this information.

JD');

INSERT INTO email([from],[to],subject,body) VALUES('v.weldon@enron.com', 'gary.l.carrier@usa.dupont.com, scott.joyce@bankofamerica.com', 'Enron News', 'This could turn into something big.... http://biz.yahoo.com/rt/010129/n29305829.html');

INSERT INTO email([from],[to],subject,body) VALUES('mark.haedicke@enron.com', 'paul.simons@enron.com', 'Re: First Polish Deal!', 'Congrats! Things seem to be building rapidly now on the Continent. Mark');

INSERT INTO email([from],[to],subject,body) VALUES('e..carter@enron.com', 't..robinson@enron.com', 'FW: Producers Newsletter 9-24-2001', 'The producer lumber pricing sheet.
-----Original Message-----
From: Johnson, Jay
Sent:Tuesday, October 16, 2001 3:42 PM
To:Carter, Karen E.
Subject:FW: Producers Newsletter 9-24-2001

-----Original Message-----
From: Daigre, Sergai
Sent:Friday, September 21, 2001 8:33 PM
Subject:Producers Newsletter 9-24-2001

');
I spoke to Max and he agrees with this approach.

I hope this meets with your approval.

Regards
Delainey.

Here is the original memo we discussed earlier. Please provide any information that you may have.

Your cooperation is greatly appreciated.

Thanks,

lachandra.fenceroy@enron.com
713.853.3884
877.498.3401 Pager

-----Original Message-----
From: Bisbee, Joanne
Sent: Wednesday, September 26, 2001 7:50 AM
To: Fenceroy, LaChandra
Subject: FW: Bus Applications Meeting Follow Up

Lachandra, Please get with David Duff today and see what this is about. Who are our TW accounting business users?

-----Original Message-----
From: Koh, Wendy
Sent: Tuesday, September 25, 2001 2:41 PM
To: Bisbee, Joanne
Subject: Bus Applications Meeting Follow Up

Lisa brought up a TW change effective Nov 1. It involves eliminating a turnback surcharge. I have no other information, but you might check with the business folks for any system changes required.

Wendy.

If Julie”s merit needs to be lump sum, just move it over to that column. Also, send me Eric Gadd”s sheets as well.

Thanks.
Dan

-----Original Message-----
From: Fagan, Fran
Sent: Thursday, December 20, 2001 11:10 AM
To: McCarty, Danny
Subject: worksheets

As discussed, attached are your sheets for bonus and merit.

Thanks,

Fran Fagan
Sr. HR Rep
713.853.5219

<< File: McCartyMerit.xls >>  << File: mccartyBonusCommercial_UnP.xls >>

');
INSERT INTO email([from],[to],subject,body) VALUES('bert.meyers@enron.com', 'shift.dl-portland@enron.com', 'OCTOBER SCHEDULE', 'TEAM,

PLEASE SEND ME ANY REQUESTS THAT YOU HAVE FOR OCTOBER. SO FAR I HAVE THEM FOR LEAF. I WOULD LIKE TO HAVE IT DONE BY THE 15TH OF THE MONTH. ANY QUESTIONS PLEASE GIVE ME A CALL.

BERT);
INSERT INTO email([from],[to],subject,body) VALUES('errol.mclaughlin@enron.com', 'john.arnold@enron.com, bilal.bajwa@enron.com, john.griffith@enron.com,'; 'TRV Notification: (NG - PROPT P/L - 09/27/2001)', 'The report named: NG - PROPT P/L <http://trv.corp.enron.com/linkFromExcel.asp?report_cd=11&report_name=NG+PROPT+P/L&category_cd=5&category_name=FINANCIAL&toe_hide=1&sTV1=5&TV1Exp=Y&current_efct_date=09/27/2001>, published as of 09/27/2001 is now available for viewing on the website.);
INSERT INTO email([from],[to],subject,body) VALUES('patrice.mims@enron.com', 'calvin.eakins@enron.com', 'Re: Small business supply assistance', 'Hi Calvin

I spoke with Rickey (boy, is he long-winded!!). Gave him the name of our credit guy, Russell Diamond.

Thank for your help!');
INSERT INTO email([from],[to],subject,body) VALUES('legal <.hall@enron.com>', 'stephanie.panus@enron.com', 'Termination update', 'City of Vernon and Salt River Project terminated their contracts. I will fax these notices to you.'));
INSERT INTO email([from],[to],subject,body) VALUES('d..steffes@enron.com', 'richard.shapiro@enron.com', 'EES / ENA Government Affairs Staffing & Outside Services', 'Rick --

Here is the information on staffing and outside services. Call if you need anything else.
Jim

');
INSERT INTO email([from],[to],subject,body) VALUES('gelliott@industrialinfo.com',
'pcopello@industrialinfo.com', 'ECAAR (Gavin), WSCC (Diablo Canyon), & NPCC (Seabrook)', 'Dear Power Outage Database Customer,
Attached you will find an excel document. The outages contained within are forced or rescheduled outages. Your daily delivery will still contain these outages.
In addition to the two excel documents, there is a dbf file that is formatted like your daily deliveries you receive nightly. This will enable you to load the data into your regular database. Any questions please let me know. Thanks.
Greg Elliott
IIR, Inc.
713-783-5147 x 3481
outages@industrialinfo.com
THE INFORMATION CONTAINED IN THIS E-MAIL IS LEGALLY PRIVILEGED AND CONFIDENTIAL INFORMATION INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY NAMED ABOVE. YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, DISTRIBUTION, OR COPY OF THIS E-MAIL TO UNAUTHORIZED ENTITIES IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS E-MAIL IN ERROR, PLEASE DELETE IT.
- OUTAGE.dbf
- 111201R.xls
- 111201.xls ');
INSERT INTO email([from],[to],subject,body) VALUES('enron.announcements@enron.com',
'all_ena_egm_eim@enron.com', 'EWS Brown Bag', 'MARK YOUR LUNCH CALENDARS NOW !
You are invited to attend the EWS Brown Bag Lunch Series
Featuring:  RAY BOWEN, COO
Topic:  Enron Industrial Markets
Thursday, March 15, 2001
11:30 am - 12:30 pm
EB 5 C2
You bring your lunch,  Limited Seating
We provide drinks and dessert.  RSVP x 3-9610');
INSERT INTO email([from],[to],subject,body) VALUES('chris.germany@enron.com',
'ingrid.immer@williams.com', 'Re: About St Pauls', 'Sounds good to me.  I bet this is next to the Warick?? Hotel.
"Immer, Ingrid" <Ingrid.Immer@Williams.com> on 12/21/2000 11:48:47 AM
To:  "chris.germany@enron.com" <chris.germany@enron.com>
cc:
Subject: About St Pauls

<<About St Pauls.url>>

?http://www.stpaulshouston.org/about.html

Chris,

I like the looks of this place. What do you think about going here Christmas eve?? They have an 11:00 a.m. service and a candlelight service at 5:00 p.m., among others.

Let me know.?? ii

- About St Pauls.url

');

INSERT INTO email([from],[to],subject,body) VALUES('nas@cpuc.ca.gov', 'skatz@sempratrading.com, kmccrea@sablaw.com, thompson@wrightlaw.com,', 'Reply Brief filed July 31, 2000', ' - CPUC01-#76371-v1-Revised_Reply_Brief___Due_today_7_31_.doc');

INSERT INTO email([from],[to],subject,body) VALUES('gascontrol@aglresources.com', 'dscott4@enron.com, lcampbel@enron.com', 'Alert Posted 10:00 AM November 20,2000: E-GAS Request Reminder', 'Alert Posted 10:00 AM November 20,2000: E-GAS Request Reminder
As discussed in the Winter Operations Meeting on Sept.29,2000,
E-Gas(Emergency Gas) will not be offered this winter as a service from AGLC.
Marketers and Poolers can receive gas via Peaking and IBSS nominations(daissy chain) from other marketers up to the 6 p.m. Same Day 2 nomination cycle.
');

INSERT INTO email([from],[to],subject,body) VALUES('dutch.quigley@enron.com', 'rwolkwitz@powermerchants.com', '', 'Here is a goody for you');

INSERT INTO email([from],[to],subject,body) VALUES('ryan.o'rourke@enron.com', 'k..allen@enron.com, randy.bhatia@enron.com, frank.ermis@enron.com,', 'TRV Notification: (West VaR - 11/07/2001)', 'The report named: West VaR <http://trv.corp.enron.com/linkFromExcel.asp?report_cd=36&report_name=West+VaR&category_cd=2&category_name=WEST&toc_hide=1&sTV1=2&TV1Exp=Y&current_efct_date=11/07/2001>, published as of 11/07/2001 is now available for viewing on the website.);

INSERT INTO email([from],[to],subject,body) VALUES('mjones7@txu.com', 'cstone1@txu.com, ggreen2@txu.com, timpowell@txu.com,','Enron / HPL Actuals for July 10, 2000', 'Teco Tap 10.000 / Enron ;
LS HPL LSK IC 30.000 / Enron
');

INSERT INTO email([from],[to],subject,body) VALUES('susan.pereira@enron.com', 'kkw816@aol.com', 'soccer
Is it safe to assume that practice is cancelled for tonight??

Susan Pereira);
INSERT INTO email([from],[to],subject,body) VALUES('mark.whitt@enron.com', 'barry.tycholiz@enron.com', 'Huber Internal Memo', 'Please look at this. I didn’t know how deep to go with the desk. Do you think this works. ');
INSERT INTO email([from],[to],subject,body) VALUES('m..forney@enron.com', 'george.phillips@enron.com', '', 'George,
Give me a call and we will further discuss opportunities on the 13st floor.

Thanks,
JMForney
3-7160');
INSERT INTO email([from],[to],subject,body) VALUES('brad.mckay@enron.com', 'angusmcka@aol.com', 'Re: (no subject)', 'not yet');
INSERT INTO email([from],[to],subject,body) VALUES('adam.bayer@enron.com', 'jonathan.mckay@enron.com', 'FW: Curve Fetch File', 'Here is the curve fetch file sent to me. It has plenty of points in it. If you give me a list of which ones you need we may be able to construct a secondary worksheet to vlookup the values.

adam
35227

-----Original Message-----
From: Royed, Jeff
Sent: Tuesday, September 25, 2001 11:37 AM
To: Bayer, Adam
Subject: Curve Fetch File

Let me know if it works. It may be required to have a certain version of Oracle for it to work properly.

Jeff Royed
Enron
Energy Operations
Phone: 713-853-5295');
INSERT INTO email([from],[to],subject,body) VALUES('matt.smith@enron.com', 'yan.wang@enron.com', 'Report Formats', 'Yan,
The merged reports look great. I believe the only orientation changes are to "unmerge" the following six reports:

31 Keystone Receipts
15 Questar Pipeline
The orientation of the individual reports should be correct. Thanks.

Mat

PS. Just a reminder to add the "*" by the title of calculated points.}

"Karkour, Randa" <Randa.Karkour@COMPAQ.com> on 09/07/2000 09:01:04 AM
To: "''Agheb (E-mail)" <Agheb@aol.com>, "Leila Mankarious (E-mail)"
"Marymankarious@mhhs.org>, "Ramy Mankarious (E-mail)" 
To: "''Marymankarious@aol.com>, "Michelle lokay (E-mail)" <mlokay@enron.com>, "Ramy Mankarious (E-mail)" <Mankarious@aol.com>

Subject: Egyptian Festival

<<Egyptian Festival.url>>

http://www.egyptianfestival.com/

- Egyptian Festival.url

')

Thanks

-------------------- Forwarded by Errol McLaughlin/Corp/Enron on 12/20/2000

From: William Kelly @ ECT 12/20/2000 08:31 AM

To: Kam Keiser/HOU/ECT@ECT, Darron C Giron/HOU/ECT@ECT, David Baumbach/HOU/ECT@ECT, Errol McLaughlin/Corp/Enron@ENRON
cc: Kimat Singla/HOU/ECT@ECT, Errol McLaughlin/Corp/Enron@ENRON, Kyle R Lilly/HOU/ECT@ECT, Jeff Royed/Corp/Enron@ENRON, Alejandra Chavez/NA/Enron@ENRON, Crystal Hyde/HOU/ECT@ECT
Subject: New EAST books

We have new book names in TAGG for our intramonth portfolios and it is extremely important that any deal booked to the East is communicated quickly to someone on my team. I know it will take some time for the new names to sink in and I do not want us to miss any positions or P&L.

Thanks for your help on this.

New:
Scott Neal : East Northeast
Dick Jenkins: East Marketeast

WK
');

INSERT INTO email([from],[to],subject,body) VALUES('david.forster@enron.com', 'eol.wide@enron.com', 'Change to Stack Manager', 'Effective immediately, there is a change to the Stack Manager which will affect any Inactive Child.

An inactive Child with links to Parent products will not have their calculated prices updated until the Child product is Activated.

When the Child Product is activated, the price will be recalculated and updated BEFORE it is displayed on the web.

This means that if you are inputting a basis price on a Child product, you will not see the final, calculated price until you Activate the product, at which time the customer will also see it.

If you have any questions, please contact the Help Desk on:

Americas: 713 853 4357
Europe: +44 (0) 20 7783 7783
Asia/Australia: +61 2 9229 2300

Dave');

INSERT INTO email([from],[to],subject,body) VALUES('vince.kaminski@enron.com', 'jhh1@email.msn.com', 'Re: Light reading - see pieces beginning on page 7', 'John,

I saw it. Very interesting.

Vince
"John H Herbert" <jhh1@email.msn.com> on 07/28/2000 08:38:08 AM
To: "Vince J Kaminski" <Vince_J_Kaminski@enron.com>
cc:
Subject: Light reading - see pieces beginning on page 7

Cheers and have a nice weekend,

JHHerbert

- gd000728.pdf

');
INSERT INTO email([from],[to],subject,body) VALUES('matthew.lenhart@enron.com', 'mmmarcantel@equiva.com', 'RE:', 'i will try to line up a pig for you ');
INSERT INTO email([from],[to],subject,body) VALUES('jae.black@enron.com', 'claudette.harvey@enron.com, chaun.roberts@enron.com, judy.martinez@enron.com', 'Disaster Recovery Equipment', 'As a reminder...there are several pieces of equipment that are set up on the 30th Floor, as well as on our floor, for the Disaster Recovery Team. PLEASE DO NOT TAKE, BORROW OR USE this equipment. Should you need to use another computer system, other than yours, or make conference calls please work with your Assistant to help find or set up equipment for you to use.

Thanks for your understanding in this matter.

T.Jae Black
East Power Trading
Assistant to Kevin Presto
off. 713-853-5800
fax 713-646-8272
cell 713-539-4760');
INSERT INTO email([from],[to],subject,body) VALUES('eric.bass@enron.com', 'dale.neuner@enron.com', '5 X 24', 'Dale,

Have you heard anything more on the 5 X 24s? We would like to get this product out ASAP.

Thanks,

Eric');
INSERT INTO email([from],[to],subject,body) VALUES('messenger@smartreminders.com', 'm..tholt@enron.com', '10% Coupon - PrintPal Printer Cartridges - 100% Guaranteed', '[IMAGE]
Dear SmartReminders Member,

We respect your privacy and are a Certified Participant of the BBBOnLine Privacy Program. To be removed from future offers, click here.

SmartReminders.com is a permission based service. To unsubscribe click here.

INSERT INTO email([from],[to],subject,body) VALUES('benjamin.rogers@enron.com', 'mark.bernstein@enron.com', "The guy you are talking about left CIN under a "cloud of suspicion" sort of speak. He was the one who got into several bad deals and PPA's in California for CIN, thus he left on a bad note. Let me know if you need more detail than that, I felt this was the type of info you were looking for. Thanks! Ben');

INSERT INTO email([from],[to],subject,body) VALUES('enron_update@concureworkplace.com', 'michelle.cash@enron.com', 'Expense Report Receipts Not Received', 'Employee Name: Michelle Cash Report Name: Houston Cellular 8-11-01 Report Date: 12/13/01 Report ID: 594D37C9ED2111D5B452 Submitted On: 12/13/01 You are only allowed 2 reports with receipts outstanding. Your expense reports will not be paid until you meet this requirement.);

INSERT INTO email([from],[to],subject,body) VALUES('susan.mara@enron.com', 'ray.alvarez@enron.com, mark.palmer@enron.com, karen.denne@enron.com', 'CAISO Emergency Motion -- to discontinue market-based rates for', 'FYI the latest broadside against the generators.

Sue Mara
Enron Corp.

Open Source Used In MSX Platform Infrastructure 4.1.0 37405
"Milner, Marcie" <MMilner@coral-energy.com> 06/08/2001 11:13 AM To: ""smara@enron.com"
<smara@enron.com> cc: Subject: CAISO Emergency Motion

Sue, did you see this emergency motion the CAISO filed today? Apparently they are requesting that FERC discontinue market-based rates immediately and grant refunds plus interest on the difference between cost-based rates and market revenues received back to May 2000. They are requesting the commission act within 14 days. Have you heard anything about what they are doing?

Marcie


Who is General Brinks?

Fletch);

Here are the documents that Peter has prepared for Mark Frevert.

Nailia

-------------------------- Forwarded by Nailia Dindarova/LON/ECT on 25/06/2001
16:36 --------------------------

Nailia Dindarova
25/06/2001 15:36
To: Michael Brown/Enron@EUEnronXGate
cc: Ross Sankey/Enron@EUEnronXGate, Eric Shaw/ENRON@EUEnronXGate, Peter Styles/LON/ECT@ECT

Subject: Documents for Mark Frevert (on EU developments and lessons from California)

Michael,
These are the documents that Peter promised to give to you for Mark Frevert. He has now handed them to him in person but asked me to transmit them electronically to you, as well as Eric and Ross.

Nailia

');
INSERT INTO email([from],[to],subject,body) VALUES('peggy.a.kostial@accenture.com', 'dave.samuels@enron.com', 'EOL-Accenture Deal Sheet', 'Dave -

Attached are our comments and suggested changes. Please call to review.

On the time line for completion, we have four critical steps to complete:
- Finalize market analysis to refine business case, specifically projected revenue stream
- Complete counterparty surveying, including targeting 3 CPs for letters of intent
- Review Enron asset base for potential reuse/licensing
- Contract negotiations

Joe will come back to us with an updated time line, but it is my expectation that we are still on the same schedule (we just begun week three) with possibly a week or so slippage.....contract negotiations will probably be the critical path.

We will send our cut at the actual time line here shortly. Thanks,

Peggy

(See attached file: accenture-dealpoints v2.doc)
- accenture-dealpoints v2.doc ');
INSERT INTO email([from],[to],subject,body) VALUES('thomas.martin@enron.com', 'thomas.martin@enron.com', 'Re: Guadalupe Power Partners LP', '---------------------- Forwarded by Thomas A Martin/HOU/ECT on 03/20/2001 03:49 PM ---------------------------

Thomas A Martin
10/11/2000 03:55 PM
To: Patrick Wade/HOU/ECT@ECT
cc:
Subject: Re: Guadalupe Power Partners LP

The deal is physically served at Oasis Waha or Oasis Katy and is priced at either HSC, Waha or Katy tailgate GD at buyers option three days prior to
NYMEX close.

'));
INSERT INTO email([from],[to],subject,body) VALUES('judy.townsend@enron.com', 'dan.junek@enron.com,
chris.germany@enron.com', 'Columbia Distribution''s Capacity Available for Release - Sum', '--------------------------
Forwarded by Judy Townsend/HOU/ECT on 03/09/2001 11:04
AM ------------------------

agoddard@nisource.com on 03/08/2001 09:16:57 AM
To: " " - *Kent" <kkoch@nisource.com>, " " - *Debra" <dmillar@nisource.com>, " " - *Lynn" <lburke@nisource.com>
cc: " " - *Tom" <theckathorn@nisource.com>
Subject: Columbia Distribution''s Capacity Available for Release - Sum

Attached is Columbia Distribution''s notice of capacity available for release
for

Please note that the deadline for bids is 3:00pm EST on March 20, 2001.

If you have any questions, feel free to contact any of the representatives
listed
at the bottom of the attachment.

Aaron Goddard

- 2001Summer.doc
'));
INSERT INTO email([from],[to],subject,body) VALUES('rhonda.denton@enron.com', 'tim.belden@enron.com,
dana.davis@enron.com, genia.fitzgerald@enron.com', 'Split Rock Energy LLC', 'We have received the executed
EEI contract from this CP dated 12/12/2000.
Copies will be distributed to Legal and Credit.');
INSERT INTO email([from],[to],subject,body) VALUES('kerrymcelroy@dwt.com', 'jack.speer@alcoa.com,
crow@millernash.com, michaelearly@earthlink.net', 'Oral Argument Request', ' - Oral Argument Request.doc');
INSERT INTO email([from],[to],subject,body) VALUES('mike.carson@enron.com', 'rmiichaelis@hormel.com', "
'Did you come in town this wk end.... My new number at our house is :
713-668-3712...... my cell # is 281-381-7332
the kid');
INSERT INTO email([from],[to],subject,body) VALUES('cooper.richey@enron.com', 'trycooper@hotmail.com', 'FW: Contact Info', ')
-----Original Message-----
From: Punja, Karim
Sent: Thursday, December 13, 2001 2:35 PM
To: Richey, Cooper
Subject: Contact Info

Cooper,

Its been a real pleasure working with you (even though it was for only a small amount of time)
I hope we can stay in touch.

Home# 234-0249
email: kpunja@hotmail.com

Take Care,

Karim.

');

I haven't talked to many of you via email recently but I do want to give you
my new address for your email file:

bjm30@earthlink.net

I hope all is well.

Brian McGuinn');

Shelley');

San Antonio, Texas  May 2-4, 2001  Westin Riverwalk

See attached memo for more details!!

? Registration for the law conference this year will be handled through an
Online RSVP Form on the Enron Law Conference Website at
http://lawconference.corp.enron.com. The website is still under construction
and will not be available until Thursday, March 15, 2001.

? We will send you another e-mail to confirm when the Law Conference Website is operational.

? Please complete the Online RSVP Form as soon as it is available and submit it no later than Friday, March 30th.

');
INSERT INTO email([from],[to],subject,body) VALUES('tori.kuykendall@enron.com', 'heath.b.taylor@accenture.com', 'Re:', 'hey - thats funny about john - he definitely remembers him - i'll call pat and let him know - we are coming on saturday - i just havent had a chance to call you guys back -- looking forward to it -- i probably need the directions again though');
INSERT INTO email([from],[to],subject,body) VALUES('darron.giron@enron.com', 'bryce.baxter@enron.com', 'Re: Feedback for Audrey Cook', 'Bryce,

I'll get it done today.

DG 3-9573

From: Bryce Baxter 06/12/2000 07:15 PM

To: Darron C Giron/HOU/ECT@ECT
cc:
Subject: Feedback for Audrey Cook

You were identified as a reviewer for Audrey Cook. If possible, could you complete her feedback by end of business Wednesday? It will really help me in the PRC process to have your input. Thanks.

');
INSERT INTO email([from],[to],subject,body) VALUES('casey.evans@enron.com', 'stephanie.sever@enron.com', 'Gas EOL ID', 'Stephanie,

In conjunction with the recent movement of several power traders, they are changing the names of their gas books as well. The names of the new gas books and traders are as follows:

PWR-NG-LT-SPP: Mike Carson
PWR-NG-LT-SERC: Jeff King
If you need to know their power desk to map their ID to their gas books, those desks are as follows:

EPMI-LT-SPP: Mike Carson  
EPMI-LT-SERC: Jeff King

I will be in training this afternoon, but will be back when class is over. Let me know if you have any questions.

Thanks for your help!  
Casey

');
INSERT INTO email([from],[to],subject,body) VALUES('darrell.schoolcraft@enron.com', 'david.roensch@enron.com, kimberly.watson@enron.com, michelle.lokay@enron.com', 'Postings', 'Please see the attached.
ds

');
INSERT INTO email([from],[to],subject,body) VALUES('mcominsky@aol.com', 'cpatman@bracepatt.com, james_derrick@enron.com', 'Jurisprudence Luncheon', 'Carrin & Jim --

It was an honor and a pleasure to meet both of you yesterday. I know we will have fun working together on this very special event.

Jeff left the jurisprudence luncheon lists for me before he left on vacation. I wasn’t sure whether he transmitted them to you as well. Would you please advise me if you would like them sent to you? I can email the MS Excel files or I can fax the hard copies to you. Please advise what is most convenient.

I plan to be in town through the holidays and can be reached by phone, email, or cell phone at any time. My cell phone number is 713/705-4829.

Thanks again for your interest in the ADL’s work. Martin.

Martin B. Cominsky  
Director, Southwest Region  
Anti-Defamation League  
713/627-3490, ext. 122  
713/627-2011 (fax)  
MCominsky@aol.com');
INSERT INTO email([from],[to],subject,body) VALUES('phillip.love@enron.com', 'todagost@utmb.edu, gbsonnta@utmb.edu', 'New President', 'I had a little bird put a word in my ear. Is there any possibility for Ben Raimer to be Bush’s secretary of HHS? Just curious about that infamous UTMB rumor mill. Hope things are well, happy holidays. PL');
Pursuant to your request, attached are the Schedule to the ISDA Master Agreement, together with Paragraph 13 to the ISDA Credit Support Annex. Please let me know if you need anything else. We look forward to hearing your comments.

Marie

Marie Heard
Senior Legal Specialist
Enron North America Corp.
Phone: (713) 853-3907
Fax: (713) 646-3490
marie.heard@enron.com

Thank you,
Karolyn Criado
3-9441

In addition, please find out what a buy-out of VEPCO would cost us. With Rogers transitioning to run our retail risk management, I would like to clean up our customer positions.

We also need to continue to explore a JEA buy-out.

Thanks.

Gregg
I am at home with a sick baby. (Lots of fun!) I will call you about this tomorrow.

Stacy');
INSERT INTO email([from],[to],subject,body) VALUES('joe.quenet@enron.com', 'dfincher@utilicorp.com', '', 'hey big guy.....check this out.....

www.gorelieberman-2000.com/');
INSERT INTO email([from],[to],subject,body) VALUES('k..allen@enron.com', 'jacqestc@aol.com', '', 'Jacques,

I sent you a fax of Kevin Kolb’s comments on the release. The payoff on the note would be $36,248 ($36090(principal) + $158 (accrued interest)).
This is assuming we wrap this up on Tuesday.

Please email to confirm that their changes are ok so I can set up a meeting on Tuesday to reach closure.

Phillip');
INSERT INTO email([from],[to],subject,body) VALUES('kourtney.nelson@enron.com', 'mike.swerzbin@enron.com', 'Adjusted L/R Balance', 'Mike,

I placed the adjusted L/R Balance on the Enronwest site. It is under the "Staff/Kourtney Nelson". There are two links:

1) "Adj L_R" is the same data/format from the weekly strategy meeting.
2) "New Gen 2001_2002" link has all of the supply side info that is used to calculate the L/R balance
   -Please note the Data Flag column, a value of "3" indicates the project was cancelled, on hold, etc and is not included in the calc.

Both of these sheets are interactive Excel spreadsheets and thus you can play around with the data as you please.
Also, James Bruce is working to get his gen report on the web. That will help with your access to information on new gen.

Please let me know if you have any questions or feedback,

Kourtney

Kourtney Nelson
Fundamental Analysis
Enron North America
(503) 464-8280
kourtney.nelson@enron.com');
INSERT INTO email([from],[to],subject,body) VALUES('d..thomas@enron.com', 'naveed.ahmed@enron.com', 'FW: Current Enron TCC Portfolio', '}

-----Original Message-----
From: Grace, Rebecca M.
Paul,

I reviewed NY’s list. I agree with all of their contracts numbers and mw amounts.

Call if you have any more questions.

Rebecca

-----Original Message-----
From: Thomas, Paul D.
Sent: Monday, December 17, 2001 9:08 AM
To: Grace, Rebecca M.
Subject: FW: Current Enron TCC Portfolio

<< File: enrontccs.xls >>
Rebecca,
Let me know if you see any differences.

Paul
X 3-0403
-----Original Message-----
From: Thomas, Paul D.
Sent: Monday, December 17, 2001 9:04 AM
To: Ahmed, Naveed
Subject: FW: Current Enron TCC Portfolio

-----Original Message-----
From: Thomas, Paul D.
Sent: Thursday, December 13, 2001 10:01 AM
To: Baughman, Edward D.
Subject: Current Enron TCC Portfolio

');
INSERT INTO email([from],[to],subject,body) VALUES('stephanie.panus@enron.com',
'william.bradford@enron.com, debbie.brackett@enron.com,', 'Coastal Merchant Energy/El Paso Merchant Energy',
'Coastal Merchant Energy, L.P. merged with and into El Paso Merchant Energy,'
L.P., effective February 1, 2001, with the surviving entity being El Paso Merchant Energy, L.P. We currently have ISDA Master Agreements with both counterparties. Please see the attached memo regarding the existing Masters and let us know which agreement should be terminated.

Thanks,
Stephanie

-----Original Message-----
From: Kenne, Dawn C.
Sent: Wednesday, February 06, 2002 11:50 AM
To: Keiser, Kam
Subject: What about this too???

<< File: Netco Trader Matrix.xls >>

chris
x31666);

Debra Perlingiere
Enron North America Corp.
1400 Smith Street, EB 3885
Houston, Texas 77002
dperlin@enron.com
Phone 713-853-7658
Fax 713-646-3490);

Debra Perlingiere
Enron North America Corp.
1400 Smith Street, EB 3885
Houston, Texas 77002
dperlin@enron.com
Phone 713-853-7658
Fax 713-646-3490);

Debra Perlingiere
Enron North America Corp.
1400 Smith Street, EB 3885
Houston, Texas 77002
dperlin@enron.com
Phone 713-853-7658
Fax 713-646-3490);

Debra Perlingiere
Enron North America Corp.
1400 Smith Street, EB 3885
Houston, Texas 77002
dperlin@enron.com
Phone 713-853-7658
Fax 713-646-3490);

Centana, Talked to Chip. We do need Cash Committe approval given the netting feature of your deal, which means Batch Funding Request. Please update per my previous e-mail and forward.

Thanks

chris
x31666);

INSERT INTO email([from],[to],subject,body) VALUES('kam.keiser@enron.com', 'c..kenne@enron.com', 'RE: What about this too???, '

-----Original Message-----
From: Kenne, Dawn C.
Sent: Wednesday, February 06, 2002 11:50 AM
To: Keiser, Kam
Subject: What about this too???

<< File: Netco Trader Matrix.xls >>

chris
x31666);

INSERT INTO email([from],[to],subject,body) VALUES('chris.meyer@enron.com', 'joe.parks@enron.com', 'Centana', 'Talked to Chip. We do need Cash Committe approval given the netting feature of your deal, which means Batch Funding Request. Please update per my previous e-mail and forward.

Thanks

chris
x31666);

INSERT INTO email([from],[to],subject,body) VALUES('debra.perlingiere@enron.com', 'jworman@academyofhealth.com', 'Centana', 'Talked to Chip. We do need Cash Committe approval given the netting feature of your deal, which means Batch Funding Request. Please update per my previous e-mail and forward.

Thanks

chris
x31666);

INSERT INTO email([from],[to],subject,body) VALUES('debra.perlingiere@enron.com', 'jworman@academyofhealth.com', 'Centana', 'Talked to Chip. We do need Cash Committe approval given the netting feature of your deal, which means Batch Funding Request. Please update per my previous e-mail and forward.

Thanks

chris
x31666);

INSERT INTO email([from],[to],subject,body) VALUES('debra.perlingiere@enron.com', 'jworman@academyofhealth.com', 'Centana', 'Talked to Chip. We do need Cash Committe approval given the netting feature of your deal, which means Batch Funding Request. Please update per my previous e-mail and forward.

Thanks

chris
x31666);

INSERT INTO email([from],[to],subject,body) VALUES('debra.perlingiere@enron.com', 'jworman@academyofhealth.com', 'Centana', 'Talked to Chip. We do need Cash Committe approval given the netting feature of your deal, which means Batch Funding Request. Please update per my previous e-mail and forward.

Thanks

chris
x31666);
Justin Boyd told me that you can help me with questions regarding Chile. We got a request for guest access through MG. The company is called Escondida and is a subsidiary of BHP Australia.

Please advise if I can set up a guest account or not.
F.Y.I.: MG is planning to put a "in w/h Chile" contract for Copper on-line as soon as Enron has done the due diligence for this country.

Thanks!

Best regards

Diana Seifert
EOL PCG};

INSERT INTO email([from],[to],subject,body) VALUES('enron_update@concureworkplace.com', 'mark.whitt@enron.com', '<<Concur Expense Document>> - 121001', 'The Approval status has changed on the following report:

Status last changed by: Barry L. Tycholiz
Expense Report Name: 121001
Report Total: $198.98
Amount Due Employee: $198.98
Amount Approved: $198.98
Amount Paid: $0.00
Approval Status: Approved
Payment Status: Pending

To review this expense report, click on the following link for Concur Expense.
http://expensexms.enron.com'}

Australia:
1800 678-515
support@palm-au.com

Canada:
1905 305-6530
support@palm.com

New Zealand:
0800 446-398
support@palm-nz.com

U.K.:
0171 867 0108
eurosupport@palm.3com.com

Please refer to the Worldwide Customer Support card for a complete technical support contact list.

INSERT INTO email(from, to, subject, body) VALUES('geoff.storey@enron.com', 'dutch.quigley@enron.com', 'RE:', 'duke contact?'

-----Original Message-----
From: Quigley, Dutch
Sent: Wednesday, October 31, 2001 10:14 AM
To: Storey, Geoff
Subject: RE:

bp corp
Albert LaMore
281-366-4962

running the reports now

-----Original Message-----
From: Storey, Geoff
Sent: Wednesday, October 31, 2001 10:10 AM
To: Quigley, Dutch
Subject: RE:

give me a contact over there too

BP

-----Original Message-----
From: Quigley, Dutch
Sent: Wednesday, October 31, 2001 9:42 AM
To: Storey, Geoff
Subject:

Coral Jeff Whitnah
713-767-5374
Reliant Steve McGinn
713-207-4000

Log messages:

Start Date: 4/22/01; HourAhead hour: 3; No ancillary schedules awarded.
Variance detected.
Variance detected in Load schedule.

LOG MESSAGES:
---- Load Schedule ----
$$$ Variance found in table tblLoads.
   Details: (Hour: 3 / Preferred:  1.92 / Final:  1.89)
TRANS_TYPE: FINAL
LOAD_ID: PGE4
MKT_TYPE: 2
TRANS_DATE: 4/22/01
SC_ID: EPMI

');
INSERT INTO email([from],[to],subject,body) VALUES('john.postlethwaite@enron.com',
'john.zufferli@enron.com', 'Reference', 'John, hope things are going well up there for you. The big day is almost
here for you and Jessica. I was wondering if I could use your name as a job reference if need be. I am just trying to
get everything in order just in case something happens.

John');
INSERT INTO email([from],[to],subject,body) VALUES('jeffrey.shankman@enron.com',
'lschiffm@jonesday.com', 'Re:', 'I saw you called on the cell this a.m. Sorry I missed you. (I was in the
shower). I have had a shitty week--I suspect my silence (not only to you,
but others) after our phone call is a result of the week. I'm seeing Glen at
11:15....talk to you');
INSERT INTO email([from],[to],subject,body) VALUES('litebytz@enron.com', '', 'Lite Bytz RSVP', '
This week’s Lite Bytz presentation will feature the following TOOLZ speaker:

Richard McDougall
Solaris 8
Thursday, June 7, 2001

If you have not already signed up, please RSVP via email to litebytz@enron.com by the end of the day Tuesday,

*Remember: this is now a Brown Bag Event--so bring your lunch and we will provide cookies and drinks.

Click below for more details.

http://home.enron.com:84/messaging/litebytztoolzprint.jpg');
   COMMIT;
} 
} {}
# Some simple tests of the automatic "offsets(email)" column. In the sample data set above, only one message, number 20, contains the words "gas" and "reminder" in both body and subject.

do_test fts1c-2.1 {
  execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE email MATCH 'mark OR susan'
  }
  } {6 17 24 25 38 40 42 73 74}
WHERE email MATCH 'gas reminder'
}
} {20 [2 0 42 3 2 1 54 8 3 0 42 3 3 1 54 8 3 0 129 3 3 0 143 3 3 0 240 3]}
do_test fts1c-2.2 {
  execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE email MATCH 'subject:gas reminder'
  }
} {20 [2 0 42 3 2 1 54 8 3 1 54 8 3 0 129 3 3 0 143 3 3 0 240 3]}
do_test fts1c-2.3 {
  execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE email MATCH 'body:gas reminder'
  }
} {20 [2 1 54 8 3 0 42 3 3 1 54 8 3 0 129 3 3 0 143 3 3 0 240 3]}
do_test fts1c-2.4 {
  execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE subject MATCH 'gas reminder'
  }
} {20 [2 0 42 3 2 1 54 8]}
do_test fts1c-2.5 {
  execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE body MATCH 'gas reminder'
  }
} {20 [3 0 42 3 3 1 54 8 3 0 129 3 3 0 143 3 3 0 240 3]}

# Document 32 contains 5 instances of the world "child". But only
# 3 of them are paired with "product". Make sure only those instances
# that match the phrase appear in the offsets(email) list.
#
do_test fts1c-3.1 {
  execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE body MATCH 'child product' AND +rowid=32
  }
} {32 [3 0 94 5 3 0 114 5 3 0 207 5 3 1 251 7 3 0 245 5 3 1 251 7 3 0 409 5 3 1 415 7 3 1 493 7]}
do_test fts1c-3.2 {
  execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE body MATCH "child product"
  }
} {32 [3 0 207 5 3 1 213 7 3 0 245 5 3 1 251 7 3 0 409 5 3 1 415 7]}

# Snippet generator tests
#
do_test fts1c-4.1 {
execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'subject:gas reminder'
}
}  {{Alert Posted 10:00 AM November 20,2000: E-<b>GAS</b> Request <b>Reminder</b>}}
do_test fts1c-4.2 {
execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'christmas candlelight'
}
}  {{<b>...</b> place.? What do you think about going here <b>Christmas</b>eve?? They have an 11:00 a.m. service and a <b>candlelight</b> service at 5:00 p.m., among others. <b>...</b>}}
do_test fts1c-4.3 {
execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'deal sheet potential reuse'
}
}  {{EOL-Accenture <b>Deal</b> <b>Sheet</b> intent
    Review Enron asset base for <b>potential</b>/ <b>reuse</b>/ licensing
    Contract negotiations <b>...</b>}}
do_test fts1c-4.4 {
execsql {
    SELECT snippet(email,'<<<','>>>',' ') FROM email
    WHERE email MATCH 'deal sheet potential reuse'
}
}  {{EOL-Accenture <<<Deal>>> <<<Sheet>>> intent
    Review Enron asset base for <<<potential>>> <<<reuse>>> licensing
    Contract negotiations  }}
do_test fts1c-4.5 {
execsql {
    SELECT snippet(email,'<<<','>>>',' ') FROM email
    WHERE email MATCH 'first things'
}
}  {{Re: <<<First>>> Polish Deal! Congrats! <<<Things>>> seem to be building rapidly now on the  }}
do_test fts1c-4.6 {
execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'chris is here'
}
}  {{<b>chris</b>.germany@enron.com <b>...</b> Sounds good to me. I bet this <b>is</b> next to the Warick?? Hotel. <b>...</b> place.? What do you think about going <b>here</b> Christmas eve?? They have an 11:00 a.m. <b>...</b>}}
do_test fts1c-4.7 {
execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH "pursuant to"
Pursuant to your request, attached are the Schedule to do_test fts1c-4.8 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'ancillary load davis'
  }
} {{
  {pete.<b>davis</b>@enron.com <b>...</b> Start Date: 4/22/01; HourAhead hour: 3; No <b>ancillary</b>
  schedules awarded.
  Variances detected.
  Variances detected in <b>Load</b> schedule.

  LOG MESSAGES:

  PARSING ...

  # Combinations of AND and OR operators:
  do_test fts1c-5.1 {
    execsql {
      SELECT snippet(email) FROM email
      WHERE email MATCH 'questar enron OR com'
    }
  }
} {{
  {matt.smith@enron.com <b>...</b> six reports:
  31 Keystone Receipts
  15 <b>Questar</b> Pipeline
  40 Rockies Production
  22 West_2 <b>...</b>}
  do_test fts1c-5.2 {
    execsql {
      SELECT snippet(email) FROM email
      WHERE email MATCH 'enron OR com questar'
    }
  }
} {{
  {matt.smith@enron.com <b>...</b> six reports:
  31 Keystone Receipts
  15 <b>Questar</b> Pipeline
  40 Rockies Production
  22 West_2 <b>...</b>}

  finish_test

  Found in path(s):
  * /opt/ws_local/PERMITS_SQL/1049079049_1591308668.43/0/sqlite-3.7.17-8.el7_7.1-1.src.rpm-cosi-expand-archive-d7GDY6A0/sqlite-src-3071700.zip-cosi-expand-archive-d7GDY6A0/sqlite-src-3071700/test/fts1c.test
SQLite is open source, and is available in the public domain

application code is free to use these routines as well, if desired.

No license file was found, but licenses were detected in source scan.
most deployed SQL database engine<h3>

Charlotte, North Carolina - December 12, 2007 - The SQLite Consortium, a new membership association dedicated to maintaining SQLite as a fully open and independent product, was formally announced today. Mozilla and Symbian Ltd. have joined the SQLite Consortium as charter members.<p>

SQLite is a compact, high efficiency, high reliability, embeddable SQL database engine. The source code to SQLite is in the public domain and is available with no associated fees. SQLite is the most deployed SQL database engine in the world and is currently used in a wide range of commercial software products and electronic devices from leading manufacturers. SQLite is found today in many mobile phones, MP3 players, set-top boxes, and PCs.</p>

The mission of the SQLite Consortium is to continue developing and enhancing SQLite as a product that anyone may use without paying royalties or licensing fees. Members of the SQLite Consortium provide funding to enable this mission and in return receive enterprise-level technical support. Technical control and direction of SQLite remains entirely with the SQLite developers.<p>

Mozilla, developer of the popular open-source Firefox web browser, and Symbian, the market-leading open operating system for advanced data-enabled smartphones, both deploy the SQLite database engine in their products. As charter members of the Consortium, Mozilla and Symbian are ensuring the development and support of SQLite as a freely accessible and public domain software asset.</p>

"SQLite has become a popular embedded database because it is lightweight, fast, and open source," said Michael Schroepfer, Vice President of Engineering, Mozilla. "As a charter member of the SQLite Consortium, Mozilla is excited to help ensure SQLite remains a vibrant and open technology, in line with our mission to promote choice and innovation on the Internet."

"The SQLite Consortium will help set the standards for database management which are essential in smartphone functionality and will also help create a pool of developers, highly-skilled in SQLite for future mobile phone development," said Bruce Carney, Director, Developer Programmes & Services, Symbian. "Our involvement with the SQL Consortium not only demonstrates Symbian's commitment to open standards in the industry, but as mobile phones become increasingly powerful and smartphones become increasingly popular, we are focused on ensuring that desktop developers, who move to the mobile space, have the easiest and most productive experience possible."

SQLite is a winner of the 2005 Google/O'Reilly Open Source Award. Additional information regarding the SQLite Consortium is available at the SQLite website, http://www.sqlite.org/.

# # #
<p><b>About SQLite</b></p>

SQLite is a software library that implements a self-contained, embeddable, serverless, zero-configuration, transactional SQL database engine. The code for SQLite is in the public domain and is free for any use, commercial or private. SQLite is currently found in countless software titles and electronic devices.

SQLite was originally developed and released 2000 by Dr. D. Richard Hipp. The code continues to be maintained and enhanced by an international team of developers under Hipp's direction.

<p>CONTACT INFORMATION:<br>
SQLite Consortium<br>Dr. D. Richard Hipp<br>6200 Maple Cove Lane<br>Charlotte, NC 28269<br>Email: drh@sqlite.org<br>http://www.sqlite.org<br>Tel: +1.704.948.4565</p>

<p><b>About Mozilla</b></p>

Mozilla is a global community dedicated to building free, open source products and technologies that improve the online experience for people everywhere. Mozilla works in the open with a highly disciplined, transparent and cooperative development process, under the umbrella of the non-profit Mozilla Foundation. As a wholly owned subsidiary, the Mozilla Corporation organizes the development and marketing of Mozilla products. This unique structure has enabled Mozilla to financially support and cultivate competitive, viable community innovation.
For more information, visit www.mozilla.com.

<p>CONTACT INFORMATION:<br>Mozilla Corporation<br>Jessica Waight<br>Tel: +1.415.345.4754<br>Email: jwaight@outcastpr.com</p>

<p><b>About Symbian Limited</b></p>

Symbian is a software licensing company that develops and licenses Symbian OS, the market-leading open operating system for advanced, data-enabled mobile phones.
known as smartphones.\) 

\[\text{Symbian licenses Symbian OS to the world's leading handset manufacturers and has built close co-operative business relationships with leading companies across the mobile industry. During Q3 2007, 20.4 million Symbian smartphones were sold worldwide to over 250 major network operators, bringing the total number of Symbian smartphones shipped up to 30 September 2007 to 165 million.}\]

\[\text{Symbian has its headquarters in London, United Kingdom, with offices in the United States, United Kingdom, Asia (India, P.R. China, and Korea) and Japan. For more information, please visit www.symbian.com.}\]

CONTACT INFORMATION:
Symbian Global Press Office
Karen Hamblen
+44 207 154 1707
press@symbian.com

The \text{psow} query parameter works with the default windows and unix VFSes but might be a no-op for other proprietary or non-standard VFSes.

SQLite core and like the SQLite core are in the public domain. The
The \text{TH3} test harness is a set of proprietary tests, written in

/*
 ** Return a pointer to the "temporary page" buffer held internally
 ** by the pager. This is a buffer that is big enough to hold the
 ** entire content of a database page. This buffer is used internally
 ** during rollback and will be overwritten whenever a rollback
 ** occurs. But other modules are free to use it too, as long as
*/
** no rollbacks are happening.
*/

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application is free to use the same <a href="../c3ref/sqlite3.html">database connection</a> or the

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/**
** The "printf" code that follows dates from the 1980's. It is in
** the public domain. The original comments are included here for
** completeness. They are very out-of-date but might be useful as
** an historical reference. Most of the "enhancements" have been backed
** out so that the functionality is now the same as standard printf().
**
** **************************************************************************
**
** This file contains code for a set of "printf"-like routines. These
** routines format strings much like the printf() from the standard C
** library, though the implementation here has enhancements to support
** SQLite.
**
*/

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other proprietary or non-standard VFSes.

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<html>
<head>
<title>SQLite Consortium Agreement</title>
</head>
<body bgcolor="white">

---

Open Source Used In MSX Platform Infrastructure 4.1.0 37427
This SQLite Consortium Agreement ("Agreement") is made and entered into as of the _____ day of ______________, 2007 ("Effective Date") by and between ______________ (the "Company"), and Hipp, Wyrick & Company, Inc., a Georgia Corporation with headquarters at 6200 Maple Cove Lane, Charlotte, NC ("Hwaci").

WHEREAS, Hwaci is the developer of a serverless, embeddable, public domain SQL database engine available at http://www.sqlite.org/ ("SQLite"); and

WHEREAS, Company wishes to support the independent development of the SQLite database engine to insure the continuing reliability, vitality, and independence of SQLite, and in connection therewith, Company wishes to provide funds for ongoing research, development, and maintenance of the SQLite code base, operation of the SQLite website, protection and maintenance of the SQLite trademark, as well as for promotion of SQLite at conferences and trade shows; and

WHEREAS, Company wishes to receive benefits in the form of services from Hwaci in consideration for their support of SQLite; and

WHEREAS, Company and Hwaci each wish SQLite to be supported and maintained as an independent, community-driven project, and to ensure the SQLite development team remains independent.

NOW, THEREFORE, in consideration of the mutual promises contained herein, the parties agree as follows:

1.0 Definitions

1.1 SQLite Developers

The "SQLite Developers" are the employees or contractors of Hwaci engaged in the development of SQLite, including without limitation the SQLite Architect.

1.2 SQLite Architect

The "SQLite Architect" is the SQLite Developer with ultimate responsibility and authority over changes and maintenance of the SQLite code. The current SQLite Architect is the original designer and developer of SQLite, D. Richard Hipp. Hwaci may change the SQLite Architect from time to time upon approval by Company.
<h3>1.3 Consortium Member</h3>
<p>A "Consortium Member" is a company or organization, including but not limited to Company, which has entered into an agreement with Hwaci which is substantially similar to this Agreement.</p>

<h2>2.0 Agreement</h2>

<h3>2.1 Responsibilities And Obligations Of SQLite Developers</h3>

<h4>2.1.1 General Support</h4>
<p>The SQLite Developers shall provide, without limit, timely and accurate answers, advice, and instruction in response to questions and comments from Company about SQLite submitted by email or by telephone at any time day or night.</p>

<h4>2.1.2 Debugging Support</h4>
<p>The SQLite Developers shall at Company's request provide Company with direct assistance in debugging applications that are built upon or use SQLite. The combined time for Debugging Support and Custom Development for Company is limited to 330 hours per year.</p>

<h4>2.1.3 Custom Development</h4>
<p>The SQLite Developers shall at the request of Company write new extensions or enhancements to SQLite according to Company's specifications. These extensions and enhancements may be proprietary to Company or open source or with the consent of both Company and the SQLite Architect may be folded into the public domain SQLite source tree. The time devoted to Custom Development for Company is limited 220 hours per year.</p>

<h4>2.1.4 Custom Builds</h4>
<p>The SQLite Developers shall at Company's request provide Company with specialized builds of SQLite according to Company's specifications.</p>

<h4>2.1.5 Legacy Support</h4>
<p>The SQLite Developers shall at Company's request provide support and bug-fix patches for any historical version of SQLite.</p>

<h4>2.1.6 Custom Testing</h4>
<p>The SQLite Developers shall at Company's request set up and run
acceptance tests according Company's specifications that are specifically designed to exercise SQLite as configured and used by Company. These acceptance tests shall be run and shall pass prior to any release of SQLite.

<h4>2.1.7 Priority Bug Fixes</h4>
<p>The SQLite Developers shall assign highest priority to fixing bugs in SQLite that are reported by Company or in which Company has expressed a specific interest.

</p>

<h4>2.1.8 Code Quality</h4>
<p>The SQLite Developers shall at all times keep the SQLite source code well commented and documented and clearly structured and organized so that an experienced and competent programmer can understand it and support it after no more than a few months of study.

</p>

<h4>2.1.9 Backwards Compatibility</h4>
<p>The SQLite Developers recognize that Company uses SQLite in mission-critical applications and therefore shall work diligently to ensure continuing bug-free correct operation and backwards compatibility with prior releases.

</p>

<h4>2.1.10 Test Coverage</h4>
<p>The SQLite Developers shall maintain the SQLite test suite such that no less than 95% source code coverage is provided.

</p>

<h4>2.1.11 Website</h4>
<p>The SQLite Developers shall maintain the SQLite website at <a href="http://www.sqlite.org/">http://www.sqlite.org/</a> in good working order and all SQLite source code shall be made freely available at such website.

</p>

<h3>2.2 Responsibilities And Obligations Of The SQLite Architect</h3>

<h4>2.2.1 Private Briefings</h4>
<p>The SQLite Architect shall, at the request of Company, provide Company with private notification and briefings of any new bugs or new features in SQLite that might effect Company's products.

</p>
<h4>2.2.2 Direction</h4>
The SQLite Architect shall coordinate the activities of SQLite Developers and shall publish from time to time a roadmap of proposed future changes and enhancements to SQLite.

<h4>2.2.3 Oversight</h4>
The SQLite Architect shall personally review all changes to the SQLite Source Code and take responsibility for the quality and correctness of those changes.

<h4>2.2.4 Continuity</h4>
The initial SQLite Architect shall be the original developer of SQLite, D. Richard Hipp. The role of SQLite Architect shall not be assigned to another during the term of this Agreement except due to the disability of Dr. Hipp and with approval of Company.

<h3>2.3 Responsibilities And Obligations Of Hwaci</h3>

<h4>2.3.1 Employer</h4>
Hwaci shall act as the employer of the SQLite Developers and SQLite Architect and shall make all tax and legal filings and tax withholding required by employers. Hwaci shall provide Company with W-9 information upon request.

<h4>2.3.2 Responsible Party</h4>
All obligations of the SQLite Developers set forth in this agreement are deemed obligations of Hwaci. Hwaci shall recruit, employ, and supervise SQLite Developers in such a way that the responsibilities and obligations of the SQLite Developers set forth in this agreement are upheld.

<h4>2.3.3 Multiple Developers</h4>
Hwaci shall recruit and employ as many SQLite Developers for as many hours as can be reasonably achieved using the funds received from Consortium Members under this agreement. So that support for SQLite will not be interrupted by the disability or withdrawal of any one SQLite Developer, Hwaci will keep at least two knowledgeable and competent SQLite Developers on staff.

<h4>2.3.4 Mentorship</h4>
Hwaci shall work to encourage independent programmers from around the world to become familiar with SQLite internals so that there will be a
pool of talent able to support SQLite in the future.
</p>

<h4>2.3.5 Audits</h4>
<p>Hwaci shall keep and maintain complete and accurate records of the use of development funds provided by Company and shall allow Company, or its representative, a certified public accountant mutually acceptable to Hwaci and Company, during office hours and at reasonable intervals, no more than once every 12 months, to inspect and make extracts or copies of such records solely for the purpose of ascertaining Hwaci's compliance with the objectives and requirements of this agreement.</p>

<h4>2.3.6 Disaster Planning</h4>
<p>Hwaci shall maintain backup copies of all SQLite source files and documentation, current and historical, at least two separate locations separated from each other and from the primary on-line SQLite repository by at least 400 kilometers.</p>

<h4>2.3.7 Trademark</h4>
<p>Hwaci shall maintain ownership of the SQLite trademark and the sqlite.org domain name and shall purchase bandwidth and server space for the <a href="http://www.sqlite.org/">http://www.sqlite.org/</a> website.</p>

<h4>2.3.8 No Take-overs or Buy-outs</h4>
<p>Neither Hwaci nor the SQLite Architect shall relinquish development control of SQLite during the term of this Agreement, by acquisition or merger or by any other means, except with the consent of Company.</p>

<h4>2.3.9 New Consortium Members</h4>
<p>New Consortium Members may be accepted into the consortium from time to time under identical terms as this agreement, or under substantially similar terms that have been approved by existing Consortium Members.</p>

<h4>2.3.10 Adequate Staff</h4>
<p>Hwaci shall recruit and employ a sufficient number of qualified SQLite Developers to easily cover all custom development, debugging, and general support service obligations for all Consortium Members while still providing ample time for the SQLite Developers to engage in general maintenance tasks.</p>
and extension of SQLite.

2.3.11 Use Of Funds

Hwaci shall use the funds provided hereunder solely for the development and maintenance of SQLite as set forth in this Agreement. Interest on funds received in advance and held in trust will be reinvested and used for the same purposes as the principal.

2.4 Responsibilities And Obligations Of Company

2.4.1 Funding

Company shall provide funding for the ongoing support and maintenance of SQLite as set forth in section 3.0 "Fees".

2.4.2 Copyright Disclaimer

Company acknowledges that SQLite source code and documentation published on the SQLite website is in the public domain and that nothing in this agreement shall change that fact.

3.0 Fees

In consideration of the performance by Hwaci, the SQLite Developers, and the SQLite Architect of the obligations described herein, Company shall pay Hwaci at least US $75,000 per year in advance either annually, quarterly, or monthly, at Company's discretion.

4.0 Confidentiality

4.1 Definition of Confidential Information

"Confidential Information" means any Company proprietary information, technical data, trade secrets or know-how, including, but not limited to, research, product plans, products, services, customers, customer lists, markets, software, developments, inventions, processes, formulas, technology, designs, drawings, engineering, hardware configuration information, marketing, finances or other business information disclosed by Company either directly or indirectly in writing, orally or by drawings or inspection of parts or equipment.
Hwaci shall not, during or subsequent to the term of this Agreement, use Company's Confidential Information for any purpose whatsoever other than the performance of the Services or disclose Company's Confidential Information to any third party. The parties acknowledge that Confidential Information will remain the sole property of Company. Hwaci shall take all reasonable precautions to prevent any unauthorized disclosure of Confidential Information including, but not limited to, having each employee or consultant of Hwaci, if any, with access to any Confidential Information, execute a nondisclosure agreement containing provisions in Company's favor substantially similar to this Agreement. Confidential Information does not include information that: (i) is known to Hwaci at the time of disclosure to Hwaci by Company as evidenced by written records of Hwaci; (ii) has become publicly known and made generally available through no wrongful act of Hwaci; or (iii) has been received by Hwaci from a third party who is authorized to make such disclosure.

**4.2.1 Disclosure Required by Law**

In the event any Confidential Information is required to be disclosed by Hwaci under the terms of a valid and effective subpoena or order issued by a court of competent jurisdiction, or by a demand or information request from an executive or administrative agency or other governmental authority, Hwaci shall, unless prohibited by the terms of a subpoena, order, or demand, promptly notify Company of the existence, terms and circumstances surrounding such demand or request, shall consult with Company on the advisability of taking legally available steps to resist or narrow such demand or request, and, if disclosure of such Confidential Information is required, shall exercise its reasonable best efforts to narrow the scope of disclosure and obtain an order or other reliable assurance that confidential treatment will be accorded to such Confidential Information. To the extent that Hwaci is prohibited from notifying Company of a subpoena, order or demand, by the terms of same, Hwaci shall exercise its reasonable efforts to narrow the scope of disclosure.

**4.3 Return of Materials.**

Upon the termination of this Agreement, or upon Company's earlier request, Hwaci shall deliver to Company all of Company's property or Confidential Information that Hwaci may have in Hwaci's possession or control.

**5.0 Intellectual Property**
<h3>5.1 No Assignment</h3>

<p>Company acknowledges that all copyrightable material, notes, records, drawings, designs, inventions, improvements, developments, discoveries and trade secrets made, generated, conceived, or reduced to practice by Hwaci related to SQLite will remain the property of Hwaci. Nothing in this Agreement will be construed to transfer any intellectual property right of Hwaci to Company.</p>

<h3>5.2 Availability and Public Domain Dedication</h3>

<p>The SQLite Developers and Hwaci shall, subject to their discretion as to the quality and suitability of the SQLite source code and documentation for public release, make the SQLite source code and documentation publicly available as downloadable files and make a public statement ceding all intellectual property rights, including but not limited to copyright and patent rights, in the SQLite source code and documentation to the public domain. To the extent that the SQLite Developers and Hwaci elect not to release the SQLite source code and documentation publicly, they shall provide copies thereof to Company and hereby grants to Company, under all of the SQLite Developers' and Hwaci's rights including but not limited to copyright and patent rights, in and to the SQLite source code and documentation, perpetual, irrevocable, worldwide, non-exclusive, sublicenseable license to use, copy, prepare derivative works of, publicly perform and display the SQLite source code and documentation and derivative works thereof.</p>

<h3>5.3 Trademark</h3>

<p>Hwaci shall use the name "SQLite" only to apply to the publicly available project known by such name as of the Effective Date. Hwaci may in its discretion file such trademark applications or registrations as it deems appropriate to protect or record its rights therein, and may set such policies as it deems appropriate for licensing the use of the trademark.</p>

<h2>6.0 Representations And Warranties</h2>
6.1 Intellectual Property Clearances.

Hwaci hereby represents and warrants that Hwaci shall enter into agreements with the SQLite Developers sufficient to enable Hwaci to undertake the obligations of Section 5.

6.2 Disclaimer.

THE WORK PRODUCT AND ALL MATERIAL PROVIDED BY HWACI AND COMPANY ARE PROVIDED "AS IS." NEITHER PARTY MAKES ANY REPRESENTATIONS OR WARRANTIES OF ANY KIND, WHETHER ORAL OR WRITTEN, WHETHER EXPRESS, IMPLIED, OR ARISING BY STATUTE, CUSTOM, COURSE OF DEALING OR TRADE USAGE, WITH RESPECT TO THE SUBJECT MATTER HEREOF, IN CONNECTION WITH THIS AGREEMENT. EACH PARTY SPECIFICALLY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES OR CONDITIONS OF TITLE, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT.

7.0 Term And Termination

7.1 Term.

This Agreement will commence on the Effective Date and will continue until 12 months after the Effective Date. Thereafter, the parties may by mutual consent renew this Agreement subject to agreement on fees to be paid by Company for sponsorship for additional periods.

7.2 Termination.

If either party materially defaults in the performance of any of its material obligations hereunder and if any such default is not corrected within 30 days after notice in writing, then the non-defaulting party, at its option, may, in addition to any other remedies it may have, thereupon terminate this Agreement by giving written notice of termination to the defaulting party.

7.3 Survival.

Upon such termination all rights and duties of the parties toward each other will cease except: Sections 4 (Confidentiality), 5 (Intellectual Property), and 8 (Miscellaneous) will survive termination of this Agreement.

8. Miscellaneous
8.1 Nonassignment/Binding Agreement.

The parties acknowledge that the unique nature of Hwaci's services are substantial consideration for the parties' entering into this Agreement. Neither this Agreement nor any rights under this Agreement may be assigned or otherwise transferred by Hwaci, in whole or in part, whether voluntarily or by operation of law, without the prior written consent of Company, which consent will not be unreasonably withheld. Subject to the foregoing, this Agreement will be binding upon and will inure to the benefit of the parties and their respective successors and assigns. Any assignment in violation of the foregoing will be null and void.

8.2 Notices.

Any notice required or permitted under the terms of this Agreement or required by law must be in writing and must be: (a) delivered in person; (b) sent by first class registered mail, or air mail, as appropriate; or (c) sent by overnight air courier, in each case properly posted and fully prepaid to the appropriate address set forth in the preamble to this Agreement. Either party may change its address for notice by notice to the other party given in accordance with this Section. Notices will be considered to have been given at the time of actual delivery in person, three business days after deposit in the mail as set forth above, or one day after delivery to an overnight air courier service.

8.3 Waiver.

Any waiver of the provisions of this Agreement or of a party's rights or remedies under this Agreement must be in writing to be effective. Failure, neglect, or delay by a party to enforce the provisions of this Agreement or its rights or remedies at any time, will not be construed as a waiver of such party's rights under this Agreement and will not in any way affect the validity of the whole or any part of this Agreement or prejudice such party's right to take subsequent action. No exercise or enforcement by either party of any right or remedy under this Agreement will preclude the enforcement by such party of any other right or remedy under this Agreement or that such party is entitled by law to enforce.
8.4 Severability.

If any term, condition, or provision in this Agreement is found to be invalid, unlawful or unenforceable to any extent, the parties shall endeavor in good faith to agree to such amendments that will preserve, as far as possible, the intentions expressed in this Agreement. If the parties fail to agree on such an amendment, such invalid term, condition or provision will be severed from the remaining terms, conditions and provisions, which will continue to be valid and enforceable to the fullest extent permitted by law.

8.5 Integration.

This Agreement contains the entire agreement of the parties with respect to the subject matter of this Agreement and supersedes all previous communications, representations, understandings and agreements, either oral or written, between the parties with respect to said subject matter. This Agreement may not be amended, except by a writing signed by both parties.

8.6 Counterparts.

This Agreement may be executed in counterparts, each of which so executed will be deemed to be an original and such counterparts together will constitute one and the same agreement.

8.7 Governing Law.

This Agreement will be interpreted and construed in accordance with the laws of the State of North Carolina and the United States of America, without regard to conflict of law principles. All disputes arising out of this Agreement will be subject to the exclusive jurisdiction of the state and federal courts located in North Carolina, and each party hereby consents to the personal jurisdiction thereof.

8.8 Independent Contractors.

It is the intention of the parties that Hwaci is an independent contractor. Nothing in this Agreement will in any way be construed to constitute Hwaci or any of its employees as an agent, employee or representative of Company.
<h2>9.0 Signatures</h2>

<p>The parties have executed this Agreement below to indicate their acceptance of its terms.</p>

<table width="100%" border="0">
<tr><td valign="top">
HWACI<br>
By:<hr>
Print Name:<hr>
Title:<hr>
</td></tr>
<tr><td width="10%"></td></tr></table>

<table width="100%" border="0">
<tr><td valign="top">
COMPANY<br>
By:<hr>
Print Name:<hr>
Title:<hr>
</td></tr></table>

Found in path(s):

No license file was found, but licenses were detected in source scan.

/*
 ** 2004 May 22
 **
 ** The author disclaims copyright to this source code. In place of
 ** a legal notice, here is a blessing:
 **
 ** May you do good and not evil.
 ** May you find forgiveness for yourself and forgive others.
 ** May you share freely, never taking more than you give.
 **
 ****************************************************************************
 **
 ** This file contains the VFS implementation for unix-like operating systems
 ** include Linux, MacOSX, *BSD, QNX, VxWorks, AIX, HPUX, and others.
 **
 ** There are actually several different VFS implementations in this file.
The differences are in the way that file locking is done. The default implementation uses Posix Advisory Locks. Alternative implementations use flock(), dot-files, various proprietary locking schemas, or simply skip locking all together.

This source file is organized into divisions where the logic for various subfunctions is contained within the appropriate division. PLEASE KEEP THE STRUCTURE OF THIS FILE INTACT. New code should be placed in the correct division and should be clearly labeled.

The layout of divisions is as follows:

* General-purpose declarations and utility functions.
* Unique file ID logic used by VxWorks.
* Various locking primitive implementations (all except proxy locking):
  + for Posix Advisory Locks
  + for no-op locks
  + for dot-file locks
  + for flock() locking
  + for named semaphore locks (VxWorks only)
  + for AFP filesystem locks (MacOSX only)
* sqlite3_file methods not associated with locking.
* Definitions of sqlite3_io_methods objects for all locking methods plus "finder" functions for each locking method.
* sqlite3_vfs method implementations.
* Locking primitives for the proxy uber-locking-method. (MacOSX only)
* Definitions of sqlite3_vfs objects for all locking methods
  + plus implementations of sqlite3_os_init() and sqlite3_os_end().

/*

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.
This code is in the public domain; do with it what you wish.

Equivalent code is available from RSA Data Security, Inc.
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.
*/

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2.31 0
1.23 0
1.0 0

Found in path(s):
* %%%Version

No license file was found, but licenses were detected in source scan.

<p><b>Public domain</b></p>
The source code for SQLite is in the public domain. No claim of copyright

Found in path(s):

No license file was found, but licenses were detected in source scan.

<a href="http://en.wikipedia.org/wiki/Public_Domain">public domain</a>
the public domain and originals of
author, and all of those authors have public domain dedications
Even though SQLite is in the public domain and does not require
the public domain.  &lt;li&gt;
their contributions to the public domain.
in this code to the public domain.  We make this dedication for the benefit

Found in path(s):

No license file was found, but licenses were detected in source scan.

# 2001 September 15
#
# The author disclaims copyright to this source code. In place of
# a legal notice, here is a blessing:
#
#    May you do good and not evil.
#    May you find forgiveness for yourself and forgive others.
# May you share freely, never taking more than you give.
#
#***********************************************************************
# This file implements regression tests for SQLite library. The
# focus of this file is testing built-in functions.
#
set testdir [file dirname $argv0]
source $testdir/tester.tcl

# Create a table to work with.
#
do_test func-0.0 {
execsql {CREATE TABLE tbl1(t1 text)}
foreach word {this program is free software} {
    execsql "INSERT INTO tbl1 VALUES('$word')"
}
execsql {SELECT t1 FROM tbl1 ORDER BY t1}
} {free is program software this}
do_test func-0.1 {
execsql {
    CREATE TABLE t2(a);
    INSERT INTO t2 VALUES(1);
    INSERT INTO t2 VALUES(NULL);
    INSERT INTO t2 VALUES(345);
    INSERT INTO t2 VALUES(NULL);
    INSERT INTO t2 VALUES(67890);
    SELECT * FROM t2;
}
} {1 {} 345 {} 67890}

# Check out the length() function
#
do_test func-1.0 {
execsql {SELECT length(t1) FROM tbl1 ORDER BY t1}
} {4 2 7 8 4}
do_test func-1.1 {
set r [catch {execsql {SELECT length(*) FROM tbl1 ORDER BY t1}} msg]
lappend r $msg
} {1 {wrong number of arguments to function length()}}
do_test func-1.2 {
set r [catch {execsql {SELECT length(t1,5) FROM tbl1 ORDER BY t1}} msg]
lappend r $msg
} {1 {wrong number of arguments to function length()}}
do_test func-1.3 {
execsql {SELECT length(t1), count(*) FROM tbl1 GROUP BY length(t1)
    ORDER BY length(t1)}
} {2 1 4 2 7 1 8 1}
do_test func-1.4 {
  execsql [SELECT coalesce(length(a),-1) FROM t2]
} {1 -1 3 -1 5}

# Check out the substr() function
#
do_test func-2.0 {
  execsql [SELECT substr(t1,1,2) FROM tbl1 ORDER BY t1]
} {fr is pr so th}
do_test func-2.1 {
  execsql [SELECT substr(t1,2,1) FROM tbl1 ORDER BY t1]
} {rs ro h}
do_test func-2.2 {
  execsql [SELECT substr(t1,3,3) FROM tbl1 ORDER BY t1]
} {ee } ogr ftw is

do_test func-2.3 {
  execsql [SELECT substr(t1,-1,1) FROM tbl1 ORDER BY t1]
} {es mes}
do_test func-2.4 {
  execsql [SELECT substr(t1,-1,2) FROM tbl1 ORDER BY t1]
} {es mes}
do_test func-2.5 {
  execsql [SELECT substr(t1,-2,1) FROM tbl1 ORDER BY t1]
} {ea ri}
do_test func-2.6 {
  execsql [SELECT substr(t1,-2,2) FROM tbl1 ORDER BY t1]
} {ee is am re is}
do_test func-2.7 {
  execsql [SELECT substr(t1,-4,2) FROM tbl1 ORDER BY t1]
} {fr {} gr wa th}
do_test func-2.8 {
  execsql [SELECT t1 FROM tbl1 ORDER BY substr(t1,2,20)]
} {this software free program is}
do_test func-2.9 {
  execsql [SELECT substr(a,1,1) FROM t2]
} {1 {} 3 {} 6}
do_test func-2.10 {
  execsql [SELECT substr(a,2,2) FROM t2]
} {{} {} 45 {} 78}

# Only do the following tests if TCL has UTF-8 capabilities
#
if {"u1234"!="u1234"} {

# Put some UTF-8 characters in the database
#
do_test func-3.0 {
  execsql [DELETE FROM tbl1]
foreach word "contains UTF-8 characters hi\u1234ho" {  
  execsql "INSERT INTO tbl1 VALUES('Sword')"
}
execsql {SELECT t1 FROM tbl1 ORDER BY t1}  
} "UTF-8 characters contains hi\u1234ho"
do_test func-3.1 {
  execsql {SELECT length(t1) FROM tbl1 ORDER BY t1}  
} {5 10 8 5}
do_test func-3.2 {
  execsql {SELECT substr(t1,1,2) FROM tbl1 ORDER BY t1}  
} {UT ch co hi}
do_test func-3.3 {
  execsql {SELECT substr(t1,1,3) FROM tbl1 ORDER BY t1}  
} "UTF cha con hi\u1234"
do_test func-3.4 {
  execsql {SELECT substr(t1,2,2) FROM tbl1 ORDER BY t1}  
} "TF ha on i\u1234"  
do_test func-3.5 {
  execsql {SELECT substr(t1,2,3) FROM tbl1 ORDER BY t1}  
} "TF- har ont i\u1234h"
do_test func-3.6 {
  execsql {SELECT substr(t1,3,2) FROM tbl1 ORDER BY t1}  
} "F- ar nt \u1234h"
do_test func-3.7 {
  execsql {SELECT substr(t1,4,2) FROM tbl1 ORDER BY t1}  
} "TF- ter ain i\u1234h"
do_test func-3.8 {
  execsql {SELECT substr(t1,-1,1) FROM tbl1 ORDER BY t1}  
} "8 s s o"
do_test func-3.9 {
  execsql {SELECT substr(t1,-3,2) FROM tbl1 ORDER BY t1}  
} "F- er in \u1234h"
do_test func-3.10 {
  execsql {DELETE FROM tbl1}
  foreach word [this program is free software] {
    execsql "INSERT INTO tbl1 VALUES('Sword')"
  }
  execsql {SELECT t1 FROM tbl1}
} [this program is free software]
} ;# End \u1234!=u1234

# Test the abs() and round() functions.
#
ifcapable !floatingpoint {
do_test func-4.1 {
    execsql {
        CREATE TABLE t1(a,b,c);
        INSERT INTO t1 VALUES(1,2,3);
        INSERT INTO t1 VALUES(2,12345678901234,-1234567890);
        INSERT INTO t1 VALUES(3,-2,-5);
    }
    catchsql {SELECT abs(a,b) FROM t1}
} {1 {wrong number of arguments to function abs()}}
}
ifcapable floatingpoint {
    do_test func-4.1 {
        execsql {
            CREATE TABLE t1(a,b,c);
            INSERT INTO t1 VALUES(1,2,3);
            INSERT INTO t1 VALUES(2,1.2345678901234,-12345.67890);
            INSERT INTO t1 VALUES(3,-2,-5);
        }
        catchsql {SELECT abs(a,b) FROM t1}
} {1 {wrong number of arguments to function abs()}}
}
do_test func-4.2 {
    catchsql {SELECT abs() FROM t1}
} {1 {wrong number of arguments to function abs()}}
ifcapable floatingpoint {
    do_test func-4.3 {
        catchsql {SELECT abs(b) FROM t1 ORDER BY a}
} {0 {2 1.2345678901234 2}}
    do_test func-4.4 {
        catchsql {SELECT abs(c) FROM t1 ORDER BY a}
} {0 {3 12345.6789 5}}
}
ifcapable !floatingpoint {
    if {
        [working_64bit_int]
    } {
        do_test func-4.3 {
            catchsql {SELECT abs(b) FROM t1 ORDER BY a}
} {0 {2 12345678901234 2}}
    }
    do_test func-4.4 {
        catchsql {SELECT abs(c) FROM t1 ORDER BY a}
} {0 {3 1234567890 5}}
}
do_test func-4.4.1 {
    execsql {SELECT abs(a) FROM t2}
} {1 {} 345 {} 67890}
do_test func-4.4.2 {
    execsql {SELECT abs(t1) FROM tbl1}
} {0.0 0.0 0.0 0.0 0.0}
if capable floatingpoint {
  do_test func-4.5 {
    catchsql {SELECT round(a,b,c) FROM t1}
  } {1 {wrong number of arguments to function round()}}
  do_test func-4.6 {
    catchsql {SELECT round(b,2) FROM t1 ORDER BY b}
  } {0 [-2.0 1.23 2.0]}
  do_test func-4.7 {
    catchsql {SELECT round(b,0) FROM t1 ORDER BY a}
  } {0 [2.0 1.0 -2.0]}
  do_test func-4.8 {
    catchsql {SELECT round(c) FROM t1 ORDER BY a}
  } {0 [3.0 -12346.0 -5.0]}
  do_test func-4.9 {
    catchsql {SELECT round(c,a) FROM t1 ORDER BY a}
  } {0 [3.0 -12345.68 -5.0]}
  do_test func-4.10 {
    catchsql {SELECT round(b,2.0) FROM t1 ORDER BY b}
  } {0 [-2.0 1.23 2.0]}
# Verify some values reported on the mailing list.
# Some of these fail on MSVC builds with 64-bit
# long doubles, but not on GCC builds with 80-bit
# long doubles.
for {set i 1} {$i<999} {incr i} {
    set x1 [expr 40222.5 + $i]
    set x2 [expr 40223.0 + $i]
    do_test func-4.17.$i {
        execsql {SELECT round($x1);}
    } $x2
}
for {set i 1} {$i<999} {incr i} {
    set x1 [expr 40222.05 + $i]
    set x2 [expr 40222.10 + $i]
    do_test func-4.18.$i {
        execsql {SELECT round($x1,1);}
    } $x2
}
do_test func-4.20 {
    execsql {SELECT round(40223.499999999999);}
} {40223.0}
do_test func-4.21 {
    execsql {SELECT round(40224.499999999999);}
} {40224.0}
do_test func-4.22 {
    execsql {SELECT round(40225.499999999999);}
} {40225.0}
for {set i 1} {$i<10} {incr i} {
    do_test func-4.23.$i {
        execsql {SELECT round(40223.4999999999,$i);}
    } {40223.5}
    do_test func-4.24.$i {
        execsql {SELECT round(40224.4999999999,$i);}
    } {40224.5}
    do_test func-4.25.$i {
        execsql {SELECT round(40225.4999999999,$i);}
    } {40225.5}
}
for {set i 1} {$i<32} {incr i} {
    do_test func-4.26.$i {
        execsql {SELECT round(40223.4999999999,$i);}
    } {40223.4999999999}
    do_test func-4.27.$i {
        execsql {SELECT round(40224.4999999999,$i);}
    } {40224.4999999999}
    do_test func-4.28.$i {
        execsql {SELECT round(40225.4999999999,$i);}
    } {40225.4999999999}
}
do_test func-4.29 {
    execsql {SELECT round(1234567890.5);}
} {1234567891.0}
do_test func-4.30 {
    execsql {SELECT round(12345678901.5);}
} {12345678902.0}
do_test func-4.31 {
    execsql {SELECT round(123456789012.5);}
} {123456789013.0}
do_test func-4.32 {
  execsql {SELECT round(1234567890123.5);}
} {1234567890124.0}
do_test func-4.33 {
  execsql {SELECT round(1234567890123.5);}
} {1234567890123.5}
do_test func-4.34 {
  execsql {SELECT round(1234567890123.35,1);}
} {1234567890123.4}
do_test func-4.35 {
  execsql {SELECT round(1234567890123.445,2);}
} {1234567890123.45}
do_test func-4.36 {
  execsql {SELECT round(99999999999994.5);}
} {99999999999995.0}
do_test func-4.37 {
  execsql {SELECT round(9999999999999.55,1);}
} {9999999999999.6}
do_test func-4.38 {
  execsql {SELECT round(9999999999999.556,2);}
} {9999999999999.56}
}

# Test the upper() and lower() functions
#
do_test func-5.1 {
  execsql {SELECT upper(t1) FROM tbl1}
} {THIS PROGRAM IS FREE SOFTWARE}
do_test func-5.2 {
  execsql {SELECT lower(upper(t1)) FROM tbl1}
} {this program is free software}
do_test func-5.3 {
  execsql {SELECT upper(a), lower(a) FROM t2}
} {1 1 {} {} 345 345 {} {} 67890 67890}
ifcapable !icu {
  do_test func-5.4 {
    catchsql {SELECT upper(a,5) FROM t2}
  } {wrong number of arguments to function upper()}
}
do_test func-5.5 {
  catchsql {SELECT upper(*) FROM t2}
} {wrong number of arguments to function upper()}

# Test the coalesce() and nullif() functions
#
do_test func-6.1 {
  execsql {SELECT coalesce(a,'xyz') FROM t2}
} {xyz 345 xyz 67890}
do_test func-6.2 {
  execsql {SELECT coalesce(upper(a), 'nil') FROM t2}
} {1 nil 345 nil 67890}

do_test func-6.3 {
  execsql {SELECT coalesce(nullif(1.1), 'nil')}
} {nil}

do_test func-6.4 {
  execsql {SELECT coalesce(nullif(1.2), 'nil')}
} {1}

do_test func-6.5 {
  execsql {SELECT coalesce(nullif(1,NULL), 'nil')}
} {1}

# Test the last_insert_rowid() function
#
do_test func-7.1 {
  execsql {SELECT last_insert_rowid()}
} [db last_insert_rowid]

# Tests for aggregate functions and how they handle NULLs.
#
ifcapable floatingpoint {
  do_test func-8.1 {
    ifcapable explain {
      execsql {EXPLAIN SELECT sum(a) FROM t2;}
    }
    execsql {
      SELECT sum(a), count(a), round(avg(a),2), min(a), max(a), count(*) FROM t2;
    }
} {68236 3 22745.33 1 67890 5}
}

ifcapable !floatingpoint {
  do_test func-8.1 {
    ifcapable explain {
      execsql {EXPLAIN SELECT sum(a) FROM t2;}
    }
    execsql {
      SELECT sum(a), count(a), avg(a), min(a), max(a), count(*) FROM t2;
    }
} {68236 3 22745.0 1 67890 5}
}

do_test func-8.2 {
  execsql {
    SELECT max('z+'||a||'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOP') FROM t2;
  }
} {z+67890abedefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZJKLMNOP}
if capable tempdb {
    do_test func-8.3 {
        execsql {
            CREATE TEMP TABLE t3 AS SELECT a FROM t2 ORDER BY a DESC;
            SELECT min('z+'||a||'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ') FROM t3;
        }
    } {z+1abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ}
} else {
    do_test func-8.3 {
        execsql {
            CREATE TABLE t3 AS SELECT a FROM t2 ORDER BY a DESC;
            SELECT min('z+'||a||'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ') FROM t3;
        }
    } {z+1abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ}
} do_test func-8.4 {
    execsql {
        SELECT max('z+'||a||'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ') FROM t3;
    }
} {z+67890abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ}
if capable compound {
    do_test func-8.5 {
        execsql {
            SELECT sum(x) FROM (SELECT '9223372036' || '854775807' AS x
                UNION ALL SELECT -9223372036854775807)
        }
    } {0}
} do_test func-8.6 {
    execsql {
        SELECT typeof(sum(x)) FROM (SELECT '9223372036' || '854775807' AS x
            UNION ALL SELECT -9223372036854775807)
    }
} {integer}
} do_test func-8.7 {
    execsql {
        SELECT typeof(sum(x)) FROM (SELECT '9223372036' || '854775808' AS x
            UNION ALL SELECT -9223372036854775807)
    }
} {real}
if capable floatingpoint {
    do_test func-8.8 {
        execsql {
            SELECT sum(x)>0.0 FROM (SELECT '9223372036' || '854775808' AS x
                UNION ALL SELECT -9223372036854775807)
        }
    } {1}
} if capable !floatingpoint {
do_test func-8.8 {
  execsql {
    SELECT sum(x)>0 FROM (SELECT '9223372036' || '854775808' AS x
    UNION ALL SELECT -9223372036850000000)
  }
} {1}
}

# How do you test the random() function in a meaningful, deterministic way?
#
do_test func-9.1 {
  execsql {
    SELECT random() is not null;
  }
} {1}

do_test func-9.2 {
  execsql {
    SELECT typeof(random());
  }
} {integer}

do_test func-9.3 {
  execsql {
    SELECT randomblob(32) is not null;
  }
} {1}

do_test func-9.4 {
  execsql {
    SELECT typeof(randomblob(32));
  }
} {blob}

do_test func-9.5 {
  execsql {
    SELECT length(randomblob(32)), length(randomblob(-5)),
            length(randomblob(2000))
  }
} {32 1 2000}

# The "hex()" function was added in order to be able to render blobs
# generated by randomblob(). So this seems like a good place to test
# hex().
#
ifcapable bloblit {
  do_test func-9.10 {
    execsql {SELECT hex(x'00112233445566778899aAbBeCdDeEfF'))
  } {00112233445566778899AABBCCDDEEFF}
} {1}

set encoding [db one {PRAGMA encoding}]

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if {$encoding=="UTF-16le"} {
  do_test func-9.11-utf16le {
    execsql {SELECT hex(replace('abcdefg','ef','12'))}
  } {6100620063006400310032006700}
  do_test func-9.12-utf16le {
    execsql {SELECT hex(replace('abcdefg','","12"))}
  } {6100620063006400650066006700}
  do_test func-9.13-utf16le {
    execsql {SELECT hex(replace('aabcdefg','a','aaa'))}
  } {610061006100610061006606606606700}
} elseif {$encoding=="UTF-8"} {
  do_test func-9.11-utf8 {
    execsql {SELECT hex(replace('abcdefg','ef','12'))}
  } {61626364313267}
  do_test func-9.12-utf8 {
    execsql {SELECT hex(replace('abcdefg','","12"))}
  } {61626364656667}
  do_test func-9.13-utf8 {
    execsql {SELECT hex(replace('aabcdefg','a','aaa'))}
  } {6161616161626364656667}
}

# Use the "sqlite_register_test_function" TCL command which is part of
# the text fixture in order to verify correct operation of some of
# the user-defined SQL function APIs that are not used by the built-in
# functions.
#
set ::DB [sqlite3_connection_pointer db]
sqlite_register_test_function $::DB testfunc
do_test func-10.1 {
  catchsql {
    SELECT testfunc(NULL,NULL);
  }
} {1 {first argument should be one of: int int64 string double null value}}
do_test func-10.2 {
  execsql {
    SELECT testfunc('string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
                 'int', 1234
                  );
  }
} {1234}
do_test func-10.3 {
  execsql {
    SELECT testfunc('string', 'abcdefgijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
                 'string', NULL
                  );
  }
}
if capable floatingpoint {
do_test func-10.4 {
  execsql {
    SELECT testfunc(
      'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
      'double', 1.234
    );
  }
}
}
do_test func-10.5 {
  execsql {
    SELECT testfunc(
      'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
      'int', 1234,
      'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
      'string', NULL,
      'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
      'double', 1.234,
      'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
      'int', 1234,
      'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
      'string', NULL,
      'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
      'double', 1.234
    );
  }
}
}

# Test the built-in sqlite_version(*) SQL function.
#
do_test func-11.1 {
  execsql {
    SELECT sqlite_version(*);
  }
} [sqlite3 -version]

# Test that destructors passed to sqlite3 by calls to sqlite3_result_text()
# etc. are called. These tests use two special user-defined functions
# (implemented in func.c) only available in test builds.
#
# Function test_destructor() takes one argument and returns a copy of the
# text form of that argument. A destructor is associated with the return
# value. Function test_destructor_count() returns the number of outstanding
# destructor calls for values returned by test_destructor().
if {[db eval {PRAGMA encoding}]=='UTF-8'} {
  do_test func-12.1-utf8 {
    execsql {
      SELECT test_destructor('hello world'), test_destructor_count();
    }
  } {{hello world} 1}
} else {
  ifcapable {utf16} {
    do_test func-12.1-utf16 {
      execsql {
        SELECT test_destructor16('hello world'), test_destructor_count();
      }
    } {{hello world} 1}
  }
}

do_test func-12.2 {
  execsql {
    SELECT test_destructor_count();
  }
} {0}

do_test func-12.3 {
  execsql {
    SELECT test_destructor('hello')||' world'
  }
} {{hello world}}

do_test func-12.4 {
  execsql {
    SELECT test_destructor_count();
  }
} {0}

do_test func-12.5 {
  execsql {
    CREATE TABLE t4(x);
    INSERT INTO t4 VALUES(test_destructor('hello'));
    INSERT INTO t4 VALUES(test_destructor('world'));
    SELECT min(test_destructor(x)), max(test_destructor(x)) FROM t4;
  }
} {hello world}

do_test func-12.6 {
  execsql {
    SELECT test_destructor_count();
  }
} {0}

do_test func-12.7 {
  execsql {
    DROP TABLE t4;
  }
}
# Test that the auxdata API for scalar functions works. This test uses
# a special user-defined function only available in test builds,
# test_auxdata(). Function test_auxdata() takes any number of arguments.
do_test func-13.1 {
  execsql {
    SELECT test_auxdata('hello world');
  }
  {0}
}
do_test func-13.2 {
  execsql {
    CREATE TABLE t4(a, b);
    INSERT INTO t4 VALUES('abc', 'def');
    INSERT INTO t4 VALUES('ghi', 'jkl');
  }
  {}
}
do_test func-13.3 {
  execsql {
    SELECT test_auxdata('hello world') FROM t4;
  }
  {0 1}
}
do_test func-13.4 {
  execsql {
    SELECT test_auxdata('hello world', 123) FROM t4;
  }
  {{0 0} {1 1}}
}
do_test func-13.5 {
  execsql {
    SELECT test_auxdata('hello world', a) FROM t4;
  }
  {{0 0} {1 0}}
}
do_test func-13.6 {
  execsql {
    SELECT test_auxdata('hello'||'world', a) FROM t4;
  }
  {{0 0} {1 0}}
}

# Test that auxiliary data is preserved between calls for SQL variables.
do_test func-13.7 {
  set DB [sqlite3_connection_pointer db]
  set sql "SELECT test_auxdata(? , a ) FROM t4;"
  set STMT [sqlite3_prepare $DB $sql -1 TAIL]
  sqlite3_bind_text $STMT 1 hello\000 -1
  set res [list]
  while { "SQLITE_ROW"==[sqlite3_step $STMT] } {
    {0 1}
  }
  {
    {0 1}
  }
}
lappend res [sqlite3_column_text $STMT 0]
}
lappend res [sqlite3_finalize $STMT]
} {{0 0} {1 0} SQLITE_OK}

# Make sure that a function with a very long name is rejected
do_test func-14.1 {
catch {
    db function [string repeat X 254] {return "hello"}
}
} {0}
do_test func-14.2 {
catch {
    db function [string repeat X 256] {return "hello"}
}
} {1}
do_test func-15.1 {
catchsql {select test_error(NULL)}
} {1 {}}
do_test func-15.2 {
catchsql {select test_error('this is the error message')}
} {1 {this is the error message}}
do_test func-15.3 {
catchsql {select test_error('this is the error message',12)}
} {1 {this is the error message}}
do_test func-15.4 {
db errorcode
} {12}

# Test the quote function for BLOB and NULL values.
do_test func-16.1 {
execsql {
    CREATE TABLE tbl2(a, b);
}
set STMT [sqlite3_prepare $::DB "INSERT INTO tbl2 VALUES(?, ?)" -1 TAIL]
sqlite3_bind_blob $::STMT 1 abc 3
sqlite3_step $::STMT
sqlite3_finalize $::STMT
execsql {
    SELECT quote(a), quote(b) FROM tbl2;
}
} {X'616263' NULL}

# Correctly handle function error messages that include %.
# Ticket #1354

do_test func-17.1 {
proc testfunc1 args {error "Error \%d with \%s percents \%p"}
db function testfunc1 ::testfunc1
catchsql {
    SELECT testfunc1(1,2,3);
}
} {{1 {Error %d with %s percents %p}}}

# The SUM function should return integer results when all inputs are integer.
#
do_test func-18.1 {
    execsql {
        CREATE TABLE t5(x);
        INSERT INTO t5 VALUES(1);
        INSERT INTO t5 VALUES(-99);
        INSERT INTO t5 VALUES(10000);
        SELECT sum(x) FROM t5;
    }
} {9902}
ifcapable floatingpoint {
    do_test func-18.2 {
        execsql {
            INSERT INTO t5 VALUES(0.0);
            SELECT sum(x) FROM t5;
        }
    } {9902.0}
}

# The sum of nothing is NULL. But the sum of all NULLs is NULL.
#
# The TOTAL of nothing is 0.0.
#
do_test func-18.3 {
    execsql {
        DELETE FROM t5;
        SELECT sum(x), total(x) FROM t5;
    }
} {{}} 0.0

do_test func-18.4 {
    execsql {
        INSERT INTO t5 VALUES(NULL);
        SELECT sum(x), total(x) FROM t5
    }
} {{}} 0.0

do_test func-18.5 {
    execsql {
        INSERT INTO t5 VALUES(NULL);
        SELECT sum(x), total(x) FROM t5
    }
} {{}} 0.0
do_test func-18.6 {
excsql {
    INSERT INTO t5 VALUES(123);
    SELECT sum(x), total(x) FROM t5
}
} {123 123.0}

# Ticket #1664, #1669, #1670, #1674: An integer overflow on SUM causes
# an error. The non-standard TOTAL() function continues to give a helpful
# result.
#
# do_test func-18.10 {
excsql {
    CREATE TABLE t6(x INTEGER);
    INSERT INTO t6 VALUES(1);
    INSERT INTO t6 VALUES(1<<62);
    SELECT sum(x) - ((1<<62)+1) from t6;
}
} 0
do_test func-18.11 {
excsql {
    SELECT typeof(sum(x)) FROM t6
}
} integer
ifcapable floatingpoint {
do_test func-18.12 {
catchsql {
    INSERT INTO t6 VALUES(1<<62);
    SELECT sum(x) - ((1<<62)*2.0+1) from t6;
}
} {1 {integer overflow}}
do_test func-18.13 {
excsql {
    SELECT total(x) - ((1<<62)*2.0+1) FROM t6
}
} 0.0
}
ifcapable !floatingpoint {
do_test func-18.12 {
catchsql {
    INSERT INTO t6 VALUES(1<<62);
    SELECT sum(x) - ((1<<62)*2+1) from t6;
}
} {1 {integer overflow}}
do_test func-18.13 {
excsql {
    SELECT total(x) - ((1<<62)*2+1) FROM t6
}
}
if {
    if {
        do_test func-18.14 {
            execsql {
                SELECT sum(-9223372036854775805);
            }
        } -9223372036854775805
    }
    ifcapable compound&&subquery {
        do_test func-18.15 {
            catchsql {
                SELECT sum(x) FROM
                    (SELECT 9223372036854775807 AS x UNION ALL
                        SELECT 10 AS x);
            }
        } {1 {integer overflow}}
        if {
            do_test func-18.16 {
                catchsql {
                    SELECT sum(x) FROM
                        (SELECT 9223372036854775807 AS x UNION ALL
                            SELECT -10 AS x);
                }
            } {0 9223372036854775797}
            do_test func-18.17 {
                catchsql {
                    SELECT sum(x) FROM
                        (SELECT -9223372036854775807 AS x UNION ALL
                            SELECT 10 AS x);
                }
            } {0 -9223372036854775797}
        }
        do_test func-18.18 {
            catchsql {
                SELECT sum(x) FROM
                    (SELECT -9223372036854775807 AS x UNION ALL
                        SELECT -10 AS x);
            }
        } {1 {integer overflow}}
        do_test func-18.19 {
            catchsql {
                SELECT sum(x) FROM (SELECT 9 AS x UNION ALL SELECT -10 AS x);
            }
        } {0 -1}
        do_test func-18.20 {
            catchsql {
            }
        }
    }
}
SELECT sum(x) FROM (SELECT -9 AS x UNION ALL SELECT 10 AS x);
]
} {0 1}
do_test func-18.21 {
catchsql {
    SELECT sum(x) FROM (SELECT -10 AS x UNION ALL SELECT 9 AS x);
} {0 -1}
do_test func-18.22 {
catchsql {
    SELECT sum(x) FROM (SELECT 10 AS x UNION ALL SELECT -9 AS x);
} {0 1}
}
} ;# if capable compound& subquery

# Integer overflow on abs()
#
if [[working_64bit_int]] {
do_test func-18.31 {
catchsql {
    SELECT abs(-9223372036854775807);
} {0 9223372036854775807}
}
do_test func-18.32 {
catchsql {
    SELECT abs(-9223372036854775807-1);
} {1 {integer overflow}}
}
# The MATCH function exists but is only a stub and always throws an error.
#
do_test func-19.1 {
exesql {
    SELECT match(a,b) FROM t1 WHERE 0;
}
} {}
do_test func-19.2 {
catchsql {
    SELECT 'abc' MATCH 'xyz';
} {1 {unable to use function MATCH in the requested context}}
do_test func-19.3 {
catchsql {
    SELECT 'abc' NOT MATCH 'xyz';
} {1 {unable to use function MATCH in the requested context}}
}
do_test func-19.4 {
    catchsql {
        SELECT match(1,2,3);
    }
} {1 {wrong number of arguments to function match()}}

# Soundex tests.
#
if {!catch {db eval {SELECT soundex('hello')}}} {
    set i 0
    foreach {name sdx} {
        euler   E460
        EULER   E460
        Euler   E460
        ellery  E460
        gauss   G200
        ghosh   G200
        hilbert H416
        Heilbronn H416
        knuth   K530
        kant    K530
        Lloyd   L300
        LADD    L300
        Lukasiewicz L222
        Lissajous L222
        A       A000
        12345   ?000
    } {
        incr i
        do_test func-20.$i {
            execsql {SELECT soundex($name)} $sdx
        }
    }
}

# Tests of the REPLACE function.
#
do_test func-21.1 {
    catchsql {
        SELECT replace(1,2);
    }
} {1 {wrong number of arguments to function replace()}}
do_test func-21.2 {
    catchsql {
        SELECT replace(1,2,3,4);
    }
} {1 {wrong number of arguments to function replace()}}
do_test func-21.3 {
execsql {
    SELECT typeof(replace("This is the main test string", NULL, "ALT"));
} {null}
do_test func-21.4 {
    execsql {
        SELECT typeof(replace(NULL, "main", "ALT"));
    } {null}
do_test func-21.5 {
    execsql {
        SELECT typeof(replace("This is the main test string", "main", NULL));
    } {null}
do_test func-21.6 {
    execsql {
        SELECT replace("This is the main test string", "main", "ALT");
    } {{This is the ALT test string}}
do_test func-21.7 {
    execsql {
        SELECT replace("This is the main test string", "main", "larger-main");
    } {{This is the larger-main test string}}
do_test func-21.8 {
    execsql {
        SELECT replace("aaaaaaa", "a", "0123456789");
    } {01234567890123456789012345678901234567890123456789012345678901234567890123456789}
}
ifcapable tclvar {
    do_test func-21.9 {
        # Attempt to exploit a buffer-overflow that at one time existed
        # in the REPLACE function.
        set ::str ["string repeat A 29998CC[string repeat A 35537]"]
        set ::rep ["string repeat B 65536"]
        execsql {
            SELECT LENGTH(REPLACE($::str, 'C', $::rep));
        } [expr 29998 + 2*65536 + 35537]
    }
}
# Tests for the TRIM, LTRIM and RTRIM functions.
#
do_test func-22.1 {
    catchsql {SELECT trim(1,2,3)}
} {1 {wrong number of arguments to function trim()}}
do_test func-22.2 {


catchsql {SELECT ltrim(1,2,3)}
} {1 {wrong number of arguments to function ltrim()}}
do_test func-22.3 {
catchsql {SELECT rtrim(1,2,3)}
} {1 {wrong number of arguments to function rtrim()}}
do_test func-22.4 {
execsql {SELECT trim(' hi ');} 
} {hi}
do_test func-22.5 {
execsql {SELECT ltrim(' hi ');} 
} {{hi}}
do_test func-22.6 {
execsql {SELECT rtrim(' hi ');} 
} {{ hi}}
do_test func-22.7 {
execsql {SELECT trim(' hi ','xyz');} 
} {{ hi }}
do_test func-22.8 {
execsql {SELECT rtrim(' hi ','xyz');} 
} {{ hi }}
do_test func-22.9 {
execsql {SELECT trim('xyxzy hi zzzy','xyz');} 
} {{  hi  zzzy}}
do_test func-22.10 {
execsql {SELECT ltrim('xyxzy hi zzzy','xyz');} 
} {{  hi  zzzy}}
do_test func-22.11 {
execsql {SELECT rtrim('xyxzy hi zzzy','xyz');} 
} {{xyxzy hi }}
do_test func-22.12 {
execsql {SELECT trim(' hi ','');} 
} {{  hi  }}
if {[db one {PRAGMA encoding}]=="UTF-8"} {
do_test func-22.14 {
execsql {SELECT hex(trim(x'c280e1bfbff48fbfbf6869',x'6162e1bfbc280'))} 
} {F48FBF6869}
do_test func-22.15 {
execsql {SELECT hex(trim(x'6869c280e1bfbff48fbfbf61', x'6162e1bfbc280f48fbfbf'))} 
} {6869}
do_test func-22.16 {
execsql {SELECT hex(trim(x'ceb1ceb2ceb3',x'ceb1'))};} 
} {CEB2CEB3}
} 
do_test func-22.20 {
execsql {SELECT typeof(trim(NULL));} {null}

do_test func-22.21 {
    execsql {SELECT typeof(trim(NULL,'xyz'));} {null}
}
do_test func-22.22 {
    execsql {SELECT typeof(trim('hello',NULL));} {null}
}

# This is to test the deprecated sqlite3_aggregate_count() API.
ifcapable deprecated {
    do_test func-23.1 {
        sqlite3_create_aggregate db
        execsql {
            SELECT legacy_count() FROM t6;
        } {3}
    }
}

# The group_concat() function.

do_test func-24.1 {
    execsql {
        SELECT group_concat(t1) FROM tbl1
    } {this,program,is,free,software}
}
do_test func-24.2 {
    execsql {
        SELECT group_concat(t1,' ') FROM tbl1
    } {{this program is free software}}
}
do_test func-24.3 {
    execsql {
        SELECT group_concat(t1,' ' || rowid || ' ') FROM tbl1
    } {{this 2 program 3 is 4 free 5 software}}
}
do_test func-24.4 {
    execsql {
        SELECT group_concat(NULL,t1) FROM tbl1
    } {}{}
}
do_test func-24.5 {
    execsql {
        SELECT group_concat(t1,NULL) FROM tbl1
    } {thisprogramisfreesoftware}
}
do_test func-24.6 {

execsql {
    SELECT 'BEGIN-['||group_concat(t1) FROM tbl1
} {BEGIN-this,program,is,free,software}

# Ticket #3179: Make sure aggregate functions can take many arguments.
# None of the built-in aggregates do this, so use the md5sum() from the
# test extensions.
#
unset -nocomplain midargs
set midargs {}
unset -nocomplain midres
set midres {}
unset -nocomplain result
for {set i 1} {$i<\[sqlite3_limit db SQLITE_LIMIT_FUNCTION_ARG -1\]} {incr i} {
    append midargs '/$i'
    append midres /$i
    set result [md5 "this$midres]program$midres]is$midres]free$midres]software$midres"]
    set sql "SELECT md5sum(t1$midargs) FROM tbl1"
    do_test func-24.7.$i {
        db eval $::sql
    } $result
}

# Ticket #3806. If the initial string in a group_concat is an empty
# string, the separator that follows should still be present.
#
do_test func-24.8 {
    execsql {
        SELECT group_concat(CASE t1 WHEN 'this' THEN '' ELSE t1 END) FROM tbl1
    } {.program,is,free,software}
    do_test func-24.9 {
        execsql {
            SELECT group_concat(CASE WHEN t1!='software' THEN '' ELSE t1 END) FROM tbl1
        } {,,...,software}
    }

# Ticket #3923. Initial empty strings have a separator. But initial
# NULLs do not.
#
do_test func-24.10 {
    execsql {
        SELECT group_concat(CASE t1 WHEN 'this' THEN null ELSE t1 END) FROM tbl1
    } {program,is,free,software}
    do_test func-24.11 {

execsql {
SELECT group_concat(CASE WHEN t1!='software' THEN null ELSE t1 END) FROM tbl1
}
} {software}
do_test func-24.12 {
execsql {
SELECT group_concat(CASE t1 WHEN 'this' THEN ''
WHEN 'program' THEN null ELSE t1 END) FROM tbl1
}
} {,is,free,software}

# Use the test_isolation function to make sure that type conversions
# on function arguments do not effect subsequent arguments.
#
do_test func-25.1 {
execsql {SELECT test_isolation(t1,t1) FROM tbl1}
} {this program is free software}
# Try to misuse the sqlite3_create_function() interface. Verify that
# errors are returned.
#
do_test func-26.1 {
abuse_create_function db
} {}
# The previous test (func-26.1) registered a function with a very long
# function name that takes many arguments and always returns NULL. Verify
# that this function works correctly.
#
do_test func-26.2 {
set a {}
for {set i 1} {$i<=$::SQLITE_MAX_FUNCTION_ARG} {incr i} {
lappend a $i
}
db eval "
SELECT
nullx_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_12345678
9_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_1
23456789_123456789_123456789_123456789_123456789_123456789_123456789([join $a ,]);
"
} {{}}
do_test func-26.3 {
set a {}
for {set i 1} {$i<=$::SQLITE_MAX_FUNCTION_ARG+1} {incr i} {
lappend a $i
}
catchsql "

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SELECT
nullx_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_12345678
9_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_1
23456789_123456789_123456789_123456789_123456789_123456789_123456789([join $a ,]);
"
} {1 {too many arguments on function
nullx_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_12345678
9_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_1
23456789_123456789_123456789_123456789_123456789_123456789_123456789}}
do_test func-26.4 {
set a {}
for {set i 1} {$i<=$::SQLITE_MAX_FUNCTION_ARG-1} {incr i} {
lappend a $i
}
catchsql "
SELECT
nullx_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_12345678
9_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_1
23456789_123456789_123456789_123456789_123456789_123456789_123456789([join $a ,]);
"
} {1 {wrong number of arguments to function
nullx_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_12345678
9_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_1
23456789_123456789_123456789_123456789_123456789_123456789_123456789()}}
do_test func-26.5 {
catchsql "
SELECT
nullx_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_12345678
9_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_1
23456789_123456789_123456789_123456789_123456789_123456789_12345678a(0);
"
} {1 {no such function:
nullx_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_12345678
9_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_1
23456789_123456789_123456789_123456789_123456789_123456789_12345678a}}
do_test func-26.6 {
catchsql "
SELECT
nullx_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_12345678
9_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_1
23456789_123456789_123456789_123456789_123456789_123456789_123456789a(0);
"
} {1 {no such function:
nullx_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_12345678
9_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_1
23456789_123456789_123456789_123456789_123456789_123456789_123456789a}}
do_test func-27.1 {

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catchsql {SELECT coalesce()} } {1 {wrong number of arguments to function coalesce()}}
do_test func-27.2 {
catchsql {SELECT coalesce(1)} } {1 {wrong number of arguments to function coalesce()}}
do_test func-27.3 {
catchsql {SELECT coalesce(1,2)} } {0 1}

# Ticket 2d401a94287b5
# Unknown function in a DEFAULT expression causes a segfault.
#
do_test func-28.1 {
db eval {
    CREATE TABLE t28(x, y DEFAULT(nosuchfunc(1)));
}
catchsql {
    INSERT INTO t28(x) VALUES(1);
}
} {1 {unknown function: nosuchfunc()}}

# Verify that the length() and typeof() functions do not actually load
# the content of their argument.
#
do_test func-29.1 {
db eval {
    CREATE TABLE t29(id INTEGER PRIMARY KEY, x, y);
    INSERT INTO t29 VALUES(1, 2, 3), (2, NULL, 4), (3, 4.5, 5);
    INSERT INTO t29 VALUES(4, randomblob(1000000), 6);
    INSERT INTO t29 VALUES(5, "hello", 7);
}
db close
sqlite3 db test.db
sqlite3_db_status db CACHE_MISS 1
db eval {SELECT typeof(x), length(x), typeof(y) FROM t29 ORDER BY id}
} {integer 1 integer null {} integer real 3 integer blob 1000000 integer text 5 integer}
do_test func-29.2 {
set x [lindex [sqlite3_db_status db CACHE_MISS 1] 1]
if {$x<5} {set x 1}
set x
} {1}
do_test func-29.3 {
db close
sqlite3 db test.db
sqlite3_db_status db CACHE_MISS 1
db eval {SELECT typeof(x) FROM t29 ORDER BY id}
} {integer null real blob text}
if {{[permutation] != "mmap"}} {
do_test func-29.4 {
    set x [lindex [sqlite3_db_status db CACHE_MISS 1] 1]
    if {$x>100} {set x many}
    set x
} {many}
}
do_test func-29.5 {
    db close
    sqlite3 db test.db
    sqlite3_db_status db CACHE_MISS 1
    db eval {SELECT sum(length(x)) FROM t29}
} {1000009}
do_test func-29.6 {
    set x [lindex [sqlite3_db_status db CACHE_MISS 1] 1]
    if {$x<5} {set x 1}
    set x
} {1}

do_execsql_test func-30.1 {SELECT unicode('\');} 36
ndo_execsql_test func-30.2 [subst {SELECT unicode('\u00A2');}] 162
do_execsql_test func-30.3 [subst {SELECT unicode('\u20AC');}] 8364
do_execsql_test func-30.4 {SELECT char(36,162,8364);} [subst {\u00A2\u20AC}]

for {set i 1} {$i<0xd800} {incr i 13} {
    do_execsql_test func-30.5.$i {SELECT unicode(char($i))} $i
}
for {set i 57344} {$i<=0xfffd} {incr i 17} {
    if {$i==0xfeff} continue
    do_execsql_test func-30.5.$i {SELECT unicode(char($i))} $i
}
for {set i 65536} {$i<=0x10ffff} {incr i 139} {
    do_execsql_test func-30.5.$i {SELECT unicode(char($i))} $i
}

finish_test

Found in path(s):
No license file was found, but licenses were detected in source scan.

# 2006 October 1
#
# The author disclaims copyright to this source code. In place of
# a legal notice, here is a blessing:
#
# May you do good and not evil.
# May you find forgiveness for yourself and forgive others.
# May you share freely, never taking more than you give.
#
#*************************************************************************
# This file implements regression tests for SQLite library. The
# focus of this script is testing the FTS1 module, and in particular
# the Porter stemmer.
#
# $Id: fts1porter.test,v 1.5 2006/10/03 19:37:37 drh Exp $
#
set testdir [file dirname $argv0]  
source $testdir/tester.tcl

# If SQLITE_ENABLE_FTS1 is defined, omit this file.
ifcapable !fts1 {
    finish_test
    return
}

# Test data for the Porter stemmer. The first word of each line
# is the input. The second word is the desired output.
#
# This test data is taken from http://www.tartarus.org/martin/PorterStemmer/
# There is no claim of copyright made on that page, but you should
# probably contact the author (Martin Porter - the inventor of the
# Porter Stemmer algorithm) if you want to use this test data in a
# commercial product of some kind. The stemmer code in FTS1 is a
# complete rewrite from scratch based on the algorithm specification
# and does not contain any code under copyright.
#
set porter_test_data {
    a        a
    aaron    aaron
    abaissiez abaissiez
    abandon  abandon
    abandoned abandon
    abase    abas
    abash    abash
    abate    abat
    abated   abat
    abatement abat
    abatements abat
    abates   abat
    abbess  abbess
    abbey    abbei
    abbeys   abbei
    abominable  abomin
    abbot    abbot
accidentally accident
accidents accid
acrite accit
accited accit
accites accit
acclamations acclam
accommodate accommod
accommodated accommod
accommodation accommod
accommodations accommod
accommodo accommodo
accompanied accompani
accompanying accompani
acomplices accomplic
accomplish accomplish
accomplished accomplish
accomplishing accomplish
accomplishment accomplish
accompt accompt
accord accord
accordant accord
accorded accord
accordeth accordeth
according accord
accordingly accordingli
accords accord
accost accost
accosted accost
account account
accountant account
accounted account
accounts account
accoutrda accoutr
accoutrment accoutr
accoutrments accoutr
accru accru
accumulate accumul
accumulated accumul
accumulation accumul
accurs accur
accursed accurs
accurst accurst
accus accu
accusation accus
accusations accus
accusative accus
accusativo accusativo
accuse  accus
accused  accus
accuser  accus
accusers  accus
accuses  accus
accuseth  accuseth
accusing  accus
accustom  accustom
accustomed  accustom
ace  ac
acerb  acerb
ache  ach
acheron  acheron
aches  ach
achiev  achiev
achieve  achiev
achieved  achiev
achievement  achiev
achievements  achiev
achiever  achiev
achieves  achiev
achieving  achiev
achilles  achil
aching  ach
achitophel  achitophel
acknowledg  acknowledg
acknowledge  acknowledg
acknowledged  acknowledg
acknowledgment  acknowledg
acknown  acknown
acold  acold
aconitum  aconitum
acordo  acordo
acorn  acorn
acquaint  acquaint
acquaintance  acquaint
acquainted  acquaint
acquaints  acquaint
acquir  acquir
acquire  acquir
acquisition  acquisit
acquit  acquit
acquittance  acquitt
acquittances  acquitt
acquitted  acquit
acre  acr
acres  acr
across  across
alighted alight
alights alight
aliis alii
alike alik
alisander alisand
alive aliv
all all
alla alla
allay allai
allayed allai
allaying allai
allayment allay
allayments allai
allays allai
allegation alleg
allegations alleg
allege alleg
alleged alleg
allegiance allegi
allegiant allegi
alley allei
alleys allei
allhallowmas allhallowma
alliance allianc
allicholy allicholi
allied ali
allies ali
alligant allig
alligator allig
allons allon
allot allot
allots allot
allotted allot
allottery allotteri
allow allow
allowance allow
allowed allow
allowing allow
allows allow
allur allur
allure allur
allurement allur
alluring allur
allusion allus
ally ali
allycholly allycholli
almain almain
almanac almanac
amazon
amazonian
amazons
ambassador
ambassadors
amber
ambiguous
ambiguity
ambition
ambitions
ambitious
ambitiously
amble
ambled
ambles
ambling
ambo
ambuscadoes
ambush
amen
amend
amended
amendment
amends
amerce
america
ames
amiable
amid
amidst
amiens
amis
amiss
amities
amity
amnipotent
among
amongst
amorous
amorously
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# Create a full-text index to use for testing the stemmer.

```sql
# Create a full-text index to use for testing the stemmer.
```

```sql
#
```

```sql
db close
sqlite3 db :memory:
db eval {
```
CREATE VIRTUAL TABLE t1 USING fts1(word, tokenize Porter);
}

foreach {pfrom pto} $porter_test_data {
do_test fts1porter-$pfrom {
  execsql {
    DELETE FROM t1_term;
    DELETE FROM t1_content;
    INSERT INTO t1(word) VALUES($pfrom);
    SELECT term FROM t1_term;
  }
} $pto
}

finish_test

Found in path(s):
No license file was found, but licenses were detected in source scan.

<a href="copyright.html">public domain</a>.  No claim of ownership is made

Found in path(s):
No license file was found, but licenses were detected in source scan.

SQLite is high-quality, public domain software.  The goal of members can also request their own private, proprietary extensions

Found in path(s):
No license file was found, but licenses were detected in source scan.

{string currentfile exch readstring pop}executeonly def

Found in path(s):
* /
No license file was found, but licenses were detected in source scan.

\*/
** CAPI3REF: Configuration Options
** KEYWORDS: {configuration option}
**
** These constants are the available integer configuration options that ** can be passed as the first argument to the [sqlite3_config()] interface.
** New configuration options may be added in future releases of SQLite.
** Existing configuration options might be discontinued. Applications
** should check the return code from [sqlite3_config()] to make sure that
** the call worked. The [sqlite3_config()] interface will return a
** non-zero [error code] if a discontinued or unsupported configuration option
** is invoked.
**
** <dl>
** [[SQLITE_CONFIG_SINGLETHREAD]] <dt>SQLITE_CONFIG_SINGLETHREAD</dt>
** <dd>There are no arguments to this option. This option sets the
** [threading mode] to Single-thread. In other words, it disables
** all mutexing and puts SQLite into a mode where it can only be used
** by a single thread. If SQLite is compiled with
** the [SQLITE_THREADSAFE | SQLITE_THREADSAFE=0] compile-time option then
** it is not possible to change the [threading mode] from its default
** value of Single-thread and so [sqlite3_config()] will return
** [SQLITE_ERROR] if called with the SQLITE_CONFIG_SINGLETHREAD
** configuration option.</dd>
**
** [[SQLITE_CONFIG_MULTITHREAD]] <dt>SQLITE_CONFIG_MULTITHREAD</dt>
** <dd>There are no arguments to this option. This option sets the
** [threading mode] to Multi-thread. In other words, it disables
** mutexing on [database connection] and [prepared statement] objects.
** The application is responsible for serializing access to
** [database connections] and [prepared statements]. But other mutexes
** are enabled so that SQLite will be safe to use in a multi-threaded
** environment as long as no two threads attempt to use the same
** [database connection] at the same time. If SQLite is compiled with
** the [SQLITE_THREADSAFE | SQLITE_THREADSAFE=0] compile-time option then
** it is not possible to set the Multi-thread [threading mode] and
** [sqlite3_config()] will return [SQLITE_ERROR] if called with the
** SQLITE_CONFIG_MULTITHREAD configuration option.</dd>
**
** [[SQLITE_CONFIG_SERIALIZED]] <dt>SQLITE_CONFIG_SERIALIZED</dt>
** <dd>There are no arguments to this option. This option sets the
** [threading mode] to Serialized. In other words, this option enables
** all mutexes including the recursive
** mutexes on [database connection] and [prepared statement] objects.
** In this mode (which is the default when SQLite is compiled with
** [SQLITE_THREADSAFE=1]) the SQLite library will itself serialize access
** to [database connections] and [prepared statements] so that the
** application is free to use the same [database connection] or the
** same [prepared statement] in different threads at the same time.
** If SQLite is compiled with
** the [SQLITE_THREADSAFE | SQLITE_THREADSAFE=0] compile-time option then
** it is not possible to set the Serialized [threading mode] and
** [sqlite3_config()] will return [SQLITE_ERROR] if called with the
** SQLITE_CONFIG_SERIALIZED configuration option.**

**

** [[SQLITE_CONFIG_MALLOC]] <dt>SQLITE_CONFIG_MALLOC</dt>
** <dd> ^(This option takes a single argument which is a pointer to an
** instance of the [sqlite3_mem_methods] structure. The argument specifies
** alternative low-level memory allocation routines to be used in place of
** the memory allocation routines built into SQLite.)^ ^SQLite makes
** its own private copy of the content of the [sqlite3_mem_methods] structure
** before the [sqlite3_config()] call returns.</dd>

**

** [[SQLITE_CONFIG_GET_MALLOC]] <dt>SQLITE_CONFIG_GET_MALLOC</dt>
** <dd> ^(This option takes a single argument which is a pointer to an
** instance of the [sqlite3_mem_methods] structure. The [sqlite3_mem_methods]
** structure is filled with the currently defined memory allocation routines.)^
** This option can be used to overload the default memory allocation
** routines with a wrapper that simulations memory allocation failure or
** tracks memory usage, for example. </dd>

**

** [[SQLITE_CONFIG_MEMSTATUS]] <dt>SQLITE_CONFIG_MEMSTATUS</dt>
** <dd> ^This option takes single argument of type int, interpreted as a
** boolean, which enables or disables the collection of memory allocation
** statistics. ^^(When memory allocation statistics are disabled, the
** following SQLite interfaces become non-operational:
** <ul>
**   <li> [sqlite3_memory_used()]
**   <li> [sqlite3_memory_highwater()]
**   <li> [sqlite3_soft_heap_limit64()]
**   <li> [sqlite3_status()]
** </ul>)^ ^Memory allocation statistics are enabled by default unless SQLite is
** compiled with [SQLITE_DEFAULT_MEMSTATUS]=0 in which case memory
** allocation statistics are disabled by default.
** </dd>

**

** [[SQLITE_CONFIG_SCRATCH]] <dt>SQLITE_CONFIG_SCRATCH</dt>
** <dd> ^This option specifies a static memory buffer that SQLite can use for
** scratch memory. There are three arguments: A pointer an 8-byte
** aligned memory buffer from which the scratch allocations will be
drawn, the size of each scratch allocation (sz),
** and the maximum number of scratch allocations (N). The sz
** argument must be a multiple of 16.
** The first argument must be a pointer to an 8-byte aligned buffer
** of at least sz*N bytes of memory.
** ^SQLite will use no more than two scratch buffers per thread. So
** N should be set to twice the expected maximum number of threads.
** ^SQLite will never require a scratch buffer that is more than 6
** times the database page size. ^If SQLite needs needs additional
** scratch memory beyond what is provided by this configuration option, then
** [sqlite3_malloc()] will be used to obtain the memory needed.</dd>

**

** [[SQLITE_CONFIG_PAGECACHE]] <dt>SQLITE_CONFIG_PAGECACHE</dt>

** <dd> ^This option specifies a static memory buffer that SQLite can use for
** the database page cache with the default page cache implementation.
** This configuration should not be used if an application-define page
** cache implementation is loaded using the SQLITE_CONFIG_PCACHE2 option.
** There are three arguments to this option: A pointer to 8-byte aligned
** memory, the size of each page buffer (sz), and the number of pages (N).
** The sz argument should be the size of the largest database page
** (a power of two between 512 and 32768) plus a little extra for each
** page header. ^The page header size is 20 to 40 bytes depending on
** the host architecture. ^It is harmless, apart from the wasted memory,
** to make sz a little too large. The first
** argument should point to an allocation of at least sz*N bytes of memory.
** ^SQLite will use the memory provided by the first argument to satisfy its
** memory needs for the first N pages that it adds to cache. ^If additional
** page cache memory is needed beyond what is provided by this option, then
** SQLite goes to [sqlite3_malloc()] for the additional storage space.
** The pointer in the first argument must
** be aligned to an 8-byte boundary or subsequent behavior of SQLite
** will be undefined.</dd>

**

** [[SQLITE_CONFIG_HEAP]] <dt>SQLITE_CONFIG_HEAP</dt>

** <dd> ^This option specifies a static memory buffer that SQLite will use
** for all of its dynamic memory allocation needs beyond those provided
** for by [SQLITE_CONFIG_SCRATCH] and [SQLITE_CONFIG_PAGECACHE].
** There are three arguments: An 8-byte aligned pointer to the memory,
** the number of bytes in the memory buffer, and the minimum allocation size.
** ^If the first pointer (the memory pointer) is NULL, then SQLite reverts
** to using its default memory allocator (the system malloc() implementation),
** undoing any prior invocation of [SQLITE_CONFIG_MALLOC]. ^If the
** memory pointer is not NULL and either [SQLITE_ENABLE_MEMSYS3] or
** [SQLITE_ENABLE_MEMSYS5] are defined, then the alternative memory
** allocator is engaged to handle all of SQLites memory allocation needs.
** The first pointer (the memory pointer) must be aligned to an 8-byte
** boundary or subsequent behavior of SQLite will be undefined.
** The minimum allocation size is capped at 2**12. Reasonable values
** for the minimum allocation size are 2**5 through 2**8.</dd>

**

** [[SQLITE_CONFIG_MUTEX]] <dt>SQLITE_CONFIG_MUTEX</dt>

** <dd> ^This option takes a single argument which is a pointer to an
** instance of the [sqlite3_mutex_methods] structure. The argument specifies
** alternative low-level mutex routines to be used in place
** the mutex routines built into SQLite.) ^SQLite makes a copy of the
** content of the [sqlite3_mutex_methods] structure before the call to
** [sqlite3_config()] returns. ^If SQLite is compiled with
** the [SQLITE_THREADSAFE | SQLITE_THREADSAFE=0] compile-time option then
** the entire mutexing subsystem is omitted from the build and hence calls to
** [sqlite3_config()] with the SQLITE_CONFIG_MUTEX configuration option will
** return [SQLITE_ERROR].</dd>

**

** [[SQLITE_CONFIG_GETMUTEX]] <dt>SQLITE_CONFIG_GETMUTEX</dt>
** <dd> ^(This option takes a single argument which is a pointer to an
** instance of the [sqlite3_mutex_methods] structure. The
** [sqlite3_mutex_methods]
** structure is filled with the currently defined mutex routines.)^ 
** This option can be used to overload the default mutex allocation
** routines with a wrapper used to track mutex usage for performance
** profiling or testing, for example. ^If SQLite is compiled with
** the [SQLITE_THREADSAFE | SQLITE_THREADSAFE=0] compile-time option then
** the entire mutexing subsystem is omitted from the build and hence calls to
** [sqlite3_config()] with the SQLITE_CONFIG_GETMUTEX configuration option will
** return [SQLITE_ERROR].</dd>

**

** [[SQLITE_CONFIG_LOOKASIDE]] <dt>SQLITE_CONFIG_LOOKASIDE</dt>
** <dd> ^(This option takes two arguments that determine the default
** memory allocation for the lookaside memory allocator on each
** [database connection]. The first argument is the
** size of each lookaside buffer slot and the second is the number of
** slots allocated to each database connection.)^ ^(This option sets the
** <i>&lt;default&gt;</i> lookaside size. The [SQLITE_DBCONFIG_LOOKASIDE]
** verb to [sqlite3_db_config()] can be used to change the lookaside
** configuration on individual connections.)^ </dd>

**

** [[SQLITE_CONFIG_PCACHE2]] <dt>SQLITE_CONFIG_PCACHE2</dt>
** <dd> ^(This option takes a single argument which is a pointer to
** an [sqlite3_pcache_methods2] object. This object specifies the interface
** to a custom page cache implementation.)^ ^SQLite makes a copy of the
** object and uses it for page cache memory allocations.</dd>

**

** [[SQLITE_CONFIG_GETPCACHE2]] <dt>SQLITE_CONFIG_GETPCACHE2</dt>
** <dd> ^(This option takes a single argument which is a pointer to an
** [sqlite3_pcache_methods2] object. SQLite copies of the current
** page cache implementation into that object.)^ </dd>

**

** [[SQLITE_CONFIG_LOG]] <dt>SQLITE_CONFIG_LOG</dt>
** <dd> The SQLITE_CONFIG_LOG option is used to configure the SQLite
** global [error log].
** (^The SQLITE_CONFIG_LOG option takes two arguments: a pointer to a
** function with a call signature of void(*)(void*,int,const char*),
** and a pointer to void. ^If the function pointer is not NULL, it is
** invoked by [sqlite3_log()] to process each logging event. ^If the
** function pointer is NULL, the [sqlite3_log()] interface becomes a no-op.
** ^The void pointer that is the second argument to SQLITE_CONFIG_LOG is
** passed through as the first parameter to the application-defined logger


** function whenever that function is invoked. ^The second parameter to
** the logger function is a copy of the first parameter to the corresponding
** [sqlite3_log()] call and is intended to be a [result code] or an
** [extended result code]. ^The third parameter passed to the logger is
** log message after formatting via [sqlite3_snprintf()].
** The SQLite logging interface is not reentrant; the logger function
** supplied by the application must not invoke any SQLite interface.
** In a multi-threaded application, the application-defined logger
** function must be threadsafe. </dd>

**
** [[SQLITE_CONFIG_URI]] <dt>SQLITE_CONFIG_URI
** <dd>This option takes a single argument of type int. If non-zero, then
** URI handling is globally enabled. If the parameter is zero, then URI handling
** is globally disabled. If URI handling is globally enabled, all filenames
** passed to [sqlite3_open()], [sqlite3_open_v2()], [sqlite3_open16()] or
** specified as part of [ATTACH] commands are interpreted as URIs, regardless
** of whether or not the [SQLITE_OPEN_URI] flag is set when the database
** connection is opened. If it is globally disabled, filenames are
** only interpreted as URIs if the SQLITE_OPEN_URI flag is set when the
** database connection is opened. By default, URI handling is globally
** disabled. The default value may be changed by compiling with the
** [SQLITE_USE_URI] symbol defined.

**
** [[SQLITE_CONFIG_COVERING_INDEX_SCAN]] <dt>SQLITE_CONFIG_COVERING_INDEX_SCAN
** <dd>This option takes a single integer argument which is interpreted as
** a boolean in order to enable or disable the use of covering indices for
** full table scans in the query optimizer. The default setting is determined
** by the [SQLITE_ALLOW_COVERING_INDEX_SCAN] compile-time option, or is "on"
** if that compile-time option is omitted.
** The ability to disable the use of covering indices for full table scans
** is because some incorrectly coded legacy applications might malfunction
** malfunction when the optimization is enabled. Providing the ability to
** disable the optimization allows the older, buggy application code to work
** without change even with newer versions of SQLite.

**
** [[SQLITE_CONFIG_PCACHE]] [[SQLITE_CONFIG_GETPCACHE]]
** <dt>SQLITE_CONFIG_PCACHE and SQLITE_CONFIG_GETPCACHE
** <dd> These options are obsolete and should not be used by new code.
** They are retained for backwards compatibility but are now no-ops.
** </dd>

**
** [[SQLITE_CONFIG_SQLLOG]]
** <dt>SQLITE_CONFIG_SQLLOG
** <dd>This option is only available if sqlite is compiled with the
** [SQLITE_ENABLE_SQLLOG] pre-processor macro defined. The first argument should
** be a pointer to a function of type void(*)(void*,sqlite3*,const char*, int).
** The second should be of type (void*). The callback is invoked by the library
** in three separate circumstances, identified by the value passed as the
** fourth parameter. If the fourth parameter is 0, then the database connection ** passed as the second argument has just been opened. The third argument ** points to a buffer containing the name of the main database file. If the ** fourth parameter is 1, then the SQL statement that the third parameter ** points to has just been executed. Or, if the fourth parameter is 2, then ** the connection being passed as the second parameter is being closed. The ** third parameter is passed NULL. In this case. An example of using this ** configuration option can be seen in the "test_sqllog.c" source file in ** the canonical SQLite source tree.</dd>

**

** [SQLITE_CONFIG_MMAP_SIZE]
** 
** <dt>SQLITE_CONFIG_MMAP_SIZE
** 
** SQLITE_CONFIG_MMAP_SIZE takes two 64-bit integer (sqlite3_int64) values ** that are the default mmap size limit (the default setting for ** [PRAGMA mmap_size]) and the maximum allowed mmap size limit. ** The default setting can be overridden by each database connection using ** either the [PRAGMA mmap_size] command, or by using the ** [SQLITE_FCNTL_MMAP_SIZE] file control. The maximum allowed mmap size ** cannot be changed at run-time. Nor may the maximum allowed mmap size ** exceed the compile-time maximum mmap size set by the ** [SQLITE_MAX_MMAP_SIZE] compile-time option. ** If either argument to this option is negative, then that argument is ** changed to its compile-time default.
** */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1049079049_1591308668.43/0/sqlite-3.7.17-8.el7_7.1-1.src.rpm-cosi-expand-archive-d7GDY6A0/sqlite-src-3071700.zip-cosi-expand-archive-dNIVkuI7/sqlite-src-3071700/src/sqlite.h.in
No license file was found, but licenses were detected in source scan.

<a href="copyright.html">public domain</a> and is thus free for

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1049079049_1591308668.43/0/sqlite-3.7.17-8.el7_7.1-1.src.rpm-cosi-expand-archive-d7GDY6A0/sqlite-doc-3071700.zip-cosi-expand-archive-dNIVkuI7/sqlite-doc-3071700/sqlite-h.in
No license file was found, but licenses were detected in source scan.

# 2006 September 14
#
# The author disclaims copyright to this source code. In place of
# a legal notice, here is a blessing:
#
#  May you do good and not evil.
#  May you find forgiveness for yourself and forgive others.
#  May you share freely, never taking more than you give.
#
#*************************************************************************
# This file implements regression tests for SQLite library. The
# focus of this script is testing the FTS3 module.
#
# $Id: fts3ac.test,v 1.1 2007/08/20 17:38:42 shess Exp $
#

set testdir [file dirname $argv0]
source $testdir/tester.tcl

# If SQLITE_ENABLE_FTS3 is defined, omit this file.
if capable !fts3 {
    finish_test
    return
}

# Create a table of sample email data. The data comes from email
# archives of Enron executives that was published as part of the
# litigation against that company.
#
do_test fts3ac-1.1 {
    db eval {
        CREATE VIRTUAL TABLE email USING fts3([from],[to],subject,body);
        BEGIN TRANSACTION;
        INSERT INTO email([from],[to],subject,body) VALUES('savita.puthigai@enron.com', 'traders.eol@enron.com, traders.eol@enron.com', 'EnronOnline- Change to Autohedge', 'Effective Monday, October 22, 2001 the following changes will be made to the Autohedge functionality on EnronOnline.

The volume on the hedge will now respect the minimum volume and volume increment settings on the parent product. See rules below:

?If the transaction volume on the child is less than half of the parent’s minimum volume no hedge will occur.
?If the transaction volume on the child is more than half the parent’s minimum volume but less than half the volume increment on the parent, the hedge will will be the parent’s minimum volume.
?For all other volumes, the same rounding rules will apply based on the volume increment on the parent product.

Please see example below:

Parent’s Settings:
Minimum: 5000
Increment: 1000

Volume on Autohedge transactionVolume Hedged
1      - 24990
2500 - 54995000
5500 - 64996000);
INSERT INTO email([from],[to],subject,body) VALUES('dana.davis@enron.com', 'laynie.east@enron.com, lisa.king@enron.com, lisa.best@enron.com', 'Leaving Early', 'FYI:
If it’s ok with everyone’s needs, I would like to leave @4pm. If you think
you will need my assistance past the 4 o’clock hour just let me know; I’ll be more than willing to stay.’;

INSERT INTO email([from],[to],subject,body) VALUES('enron_update@concureworkplace.com', 'louise.kitchen@enron.com', <<Concur Expense Document>> - CC02.06.02', 'The following expense report is ready for approval:

Employee Name: Christopher F. Calger
Status last changed by: Mollie E. Gustafson Ms
Expense Report Name: CC02.06.02
Report Total: $3,972.93
Amount Due Employee: $3,972.93

To approve this expense report, click on the following link for Concur Expense.
http://expensexms.enron.com);

INSERT INTO email([from],[to],subject,body) VALUES('jeff.duff@enron.com', 'julie.johnson@enron.com', 'Work request', 'Julie,
Could you print off the current work request report by 1:30 today?

Gentlemen,

I’d like to review this today at 1:30 in our office. Also, could you provide me with your activity reports so I can have Julie enter this information.

JD');

INSERT INTO email([from],[to],subject,body) VALUES('v.weldon@enron.com', 'gary.l.carrier@usa.dupont.com, scott.joyce@bankofamerica.com', 'Enron News', 'This could turn into something big....
http://biz.yahoo.com/rf/010129/n29305829.html');

INSERT INTO email([from],[to],subject,body) VALUES('mark.haedicke@enron.com', 'paul.simons@enron.com', 'Re: First Polish Deal!', 'Congrats! Things seem to be building rapidly now on the Continent. Mark');

INSERT INTO email([from],[to],subject,body) VALUES('e..carter@enron.com', 't..robinson@enron.com', 'FW: Producers Newsletter 9-24-2001', 'The producer lumber pricing sheet.
-----Original Message-----
From: Johnson, Jay
Sent:Tuesday, October 16, 2001 3:42 PM
To:Carter, Karen E.
Subject:FW: Producers Newsletter 9-24-2001

-----Original Message-----
From: Daigre, Sergai
Sent:Friday, September 21, 2001 8:33 PM
Subject:Producers Newsletter 9-24-2001

');
I spoke to Max and he agrees with this approach.

I hope this meets with your approval.

Regards
Delainey

Here is the original memo we discussed earlier. Please provide any information that you may have.

Your cooperation is greatly appreciated.

Thanks,

lachandra.fenceroy@enron.com
713.853.3884
877.498.3401 Pager

-----Original Message-----
From: Bisbee, Joanne
Sent: Wednesday, September 26, 2001 7:50 AM
To: Fenceroy, LaChandra
Subject: FW: Bus Applications Meeting Follow Up

Lachandra, Please get with David Duff today and see what this is about. Who are our TW accounting business
users?

-----Original Message-----
From: Koh, Wendy
Sent: Tuesday, September 25, 2001 2:41 PM
To: Bisbee, Joanne
Subject: Bus Applications Meeting Follow Up

Lisa brought up a TW change effective Nov 1. It involves eliminating a turnback surcharge. I have no other
information, but you might check with the business folks for any system changes required.

Wendy

If Julie”s merit needs to be lump sum, just move it over to that column. Also, send me Eric Gadd”s sheets as well.

Thanks.
Dan

-----Original Message-----
From: Fagan, Fran  
Sent: Thursday, December 20, 2001 11:10 AM  
To: McCarty, Danny  
Subject: worksheets

As discussed, attached are your sheets for bonus and merit.

Thanks,

Fran Fagan  
Sr. HR Rep  
713.853.5219

<< File: McCartyMerit.xls >> << File: mccartyBonusCommercial_UnP.xls >>

');
INSERT INTO email([from],[to],subject,body) VALUES('bert.meyers@enron.com', 'shift.dl-portland@enron.com', 'OCTOBER SCHEDULE', 'TEAM,

PLEASE SEND ME ANY REQUESTS THAT YOU HAVE FOR OCTOBER. SO FAR I HAVE THEM FOR LEAF. I WOULD LIKE TO HAVE IT DONE BY THE 15TH OF THE MONTH. ANY QUESTIONS PLEASE GIVE ME A CALL.

BERT');
INSERT INTO email([from],[to],subject,body) VALUES('errol.mclaughlin@enron.com', 'john.arnold@enron.com, bilal.bajwa@enron.com, john.griffith@enron.com.', 'TRV Notification: (NG - PROPT P/L - 09/27/2001)', 'The report named: NG - PROPT P/L <http://trv.corp.enron.com/linkFromExcel.asp?report_cd=11&report_name=NG++PROPT+P/L&category_cd=5&category_name=FINANCIAL&toe_hide=1&TV1=5&TV1Exp=Y&current_efct_date=09/27/2001>, published as of 09/27/2001 is now available for viewing on the website.);
INSERT INTO email([from],[to],subject,body) VALUES('patrice.mims@enron.com', 'calvin.eakins@enron.com', 'Re: Small business supply assistance', 'Hi Calvin

I spoke with Rickey (boy, is he long-winded!!). Gave him the name of our credit guy, Russell Diamond.

Thank for your help!');
INSERT INTO email([from],[to],subject,body) VALUES('legal <.hall@enron.com>', 'stephanie.panus@enron.com', 'Termination update', 'City of Vernon and Salt River Project terminated their contracts. I will fax these notices to you.');
INSERT INTO email([from],[to],subject,body) VALUES('d..steffes@enron.com', 'richard.shapiro@enron.com', 'EES / ENA Government Affairs Staffing & Outside Services', 'Rick --

Here is the information on staffing and outside services. Call if you need anything else.'
Jim

');
INSERT INTO email([from],[to],subject,body) VALUES('gelliott@industrialinfo.com', 'pcopello@industrialinfo.com', 'ECAAR (Gavin),WSCC (Diablo Canyon), & NPCC (Seabrook)', 'Dear Power Outage Database Customer,
Attached you will find an excel document. The outages contained within are forced or rescheduled outages. Your daily delivery will still contain these outages.
In addition to the two excel documents, there is a dbf file that is formatted like your daily deliveries you receive nightly. This will enable you to load the data into your regular database. Any questions please let me know. Thanks.
Greg Elliott
IIR, Inc.
713-783-5147 x 3481
outages@industrialinfo.com
THE INFORMATION CONTAINED IN THIS E-MAIL IS LEGALLY PRIVILEGED AND CONFIDENTIAL INFORMATION INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY NAMED ABOVE. YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, DISTRIBUTION, OR COPY OF THIS E-MAIL TO UNAUTHORIZED ENTITIES IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS E-MAIL IN ERROR, PLEASE DELETE IT.
- OUTAGE.dbf
- 111201R.xls
- 111201.xls ');
INSERT INTO email([from],[to],subject,body) VALUES('enron.announcements@enron.com', 'all_ena_egm_eim@enron.com', 'EWS Brown Bag', 'MARK YOUR LUNCH CALENDARS NOW ! You are invited to attend the EWS Brown Bag Lunch Series
Featuring: RAY BOWEN, COO
Topic: Enron Industrial Markets
Thursday, March 15, 2001
11:30 am - 12:30 pm 
EB 5 C2
You bring your lunch, Limited Seating
We provide drinks and dessert. RSVP x 3-9610');
INSERT INTO email([from],[to],subject,body) VALUES('chris.germany@enron.com', 'ingrid.immer@williams.com', 'Re: About St Pauls', 'Sounds good to me. I bet this is next to the Warick?? Hotel.
"Immer, Ingrid" <Ingrid.Immer@Williams.com> on 12/21/2000 11:48:47 AM
To: ""chris.germany@enron.com"" <chris.germany@enron.com>
cc:
Chris,

I like the looks of this place. What do you think about going here Christmas eve?? They have an 11:00 a.m. service and a candlelight service at 5:00 p.m., among others.

Let me know. ?? ii

- About St Pauls.url

');
INSERT INTO email([from],[to],subject,body) VALUES('nas@cpuc.ca.gov', 'skatz@sempratruing.com, kmccrea@sablaw.com, thompson@wrightlaw.com,', 'Reply Brief filed July 31, 2000', ' - CPUC01-#76371-v1-Revised_Reply_Brief__Due_today_7_31_.doc');
INSERT INTO email([from],[to],subject,body) VALUES('gascontrol@aglresources.com', 'dscott4@enron.com, lcampbel@enron.com', 'Alert Posted 10:00 AM November 20,2000: E-GAS Request Reminder', 'Alert Posted 10:00 AM November 20,2000: E-GAS Request Reminder
As discussed in the Winter Operations Meeting on Sept.29,2000, E-Gas(Emergency Gas) will not be offered this winter as a service from AGLC. Marketers and Poolers can receive gas via Peaking and IBSS nominations(daisy chain) from other marketers up to the 6 p.m. Same Day 2 nomination cycle.
');
INSERT INTO email([from],[to],subject,body) VALUES('dutch.quigley@enron.com', 'rwolkwitz@powermerchants.com', '', 'Here is a goody for you');
INSERT INTO email([from],[to],subject,body) VALUES('ryan.o’rourke@enron.com', 'k..allen@enron.com, randy.bhatia@enron.com, frank.ermis@enron.com,', 'TRV Notification: (West VaR - 11/07/2001)', 'The report named: West VaR <http://trv.corp.enron.com/linkFromExcel.asp?report_cd=36&report_name=West+VaR&category_cd=2&category_name=WEST&toc_hide=1&sTV1=2&TV1Exp=Y&current_efct_date=11/07/2001>, published as of 11/07/2001 is now available for viewing on the website.);
INSERT INTO email([from],[to],subject,body) VALUES('mjones7@txu.com', 'cstone1@txu.com, ggreen2@txu.com, timpowell@txu.com,', 'Enron / HPL Actuals for July 10, 2000', 'Teco Tap 10.000 / Enron ; 110.000 / HPL IFERC
LS HPL LSK IC  30.000 / Enron
');
INSERT INTO email([from],[to],subject,body) VALUES('susan.pereira@enron.com', 'kkw816@aol.com', 'soccer
practice', 'Kathy-

Is it safe to assume that practice is cancelled for tonight??

Susan Pereira);
INSERT INTO email([from],[to],subject,body) VALUES('mark.whitt@enron.com', 'barry.tycholiz@enron.com', 'Huber Internal Memo', 'Please look at this. I didn’t know how deep to go with the desk. Do you think this works. ');
INSERT INTO email([from],[to],subject,body) VALUES('m..forney@enron.com', 'george.phillips@enron.com', '', 'George,
Give me a call and we will further discuss opportunities on the 13th floor.

Thanks,
JMForney
3-7160');
INSERT INTO email([from],[to],subject,body) VALUES('brad.mckay@enron.com', 'angusmcka@aol.com', 'Re: (no subject)', 'not yet');
INSERT INTO email([from],[to],subject,body) VALUES('adam.bayer@enron.com', 'jonathan.mckay@enron.com', 'FW: Curve Fetch File', 'Here is the curve fetch file sent to me. It has plenty of points in it. If you give me a list of which ones you need we may be able to construct a secondary worksheet to vlookup the values.

adam
35227

-----Original Message-----
From: Royed, Jeff
Sent: Tuesday, September 25, 2001 11:37 AM
To: Bayer, Adam
Subject: Curve Fetch File

Let me know if it works. It may be required to have a certain version of Oracle for it to work properly.

Jeff Royed
Enron
Energy Operations
Phone: 713-853-5295');
INSERT INTO email([from],[to],subject,body) VALUES('matt.smith@enron.com', 'yan.wang@enron.com', 'Report Formats', 'Yan,
The merged reports look great. I believe the only orientation changes are to "unmerge" the following six reports:

31 Keystone Receipts
15 Questar Pipeline
The orientation of the individual reports should be correct. Thanks.

Mat

PS. Just a reminder to add the "*" by the title of calculated points.

"Karkour, Randa" <Randa.Karkour@COMPAQ.com> on 09/07/2000 09:01:04 AM
To: "'Agheb (E-mail)" <Agheb@aol.com>, "Leila Mankarious (E-mail)"
"Marymankarious@mhhs.org>, "Ramy Mankarious (E-mail)" <mlokay@enron.com>, "Ramy Mankarious (E-mail)" <Mankarious@aol.com>
cc:

Subject: Egyptian Festival

<<Egyptian Festival.url>>

http://www.egyptianfestival.com/

- Egyptian Festival.url
')

"Karkour, Randa" <Randa.Karkour@COMPAQ.com> on 09/07/2000 09:01:04 AM
To: "'Agheb (E-mail)" <Agheb@aol.com>, "Leila Mankarious (E-mail)"
"Marymankarious@mhhs.org>, "Ramy Mankarious (E-mail)" <mlokay@enron.com>, "Ramy Mankarious (E-mail)" <Mankarious@aol.com>
cc:

Subject: Egyptian Festival

<<Egyptian Festival.url>>

http://www.egyptianfestival.com/

- Egyptian Festival.url
')

Thanks

------------- Forwarded by Errol McLaughlin/Corp/Enron on 12/20/2000
08:39 AM --------------
Subject: New EAST books

We have new book names in TAGG for our intramonth portfolios and it is extremely important that any deal booked to the East is communicated quickly to someone on my team. I know it will take some time for the new names to sink in and I do not want us to miss any positions or P&L.

Thanks for your help on this.

New:
Scott Neal : East Northeast
Dick Jenkins: East Marketeast

WK
');
INSERT INTO email([from],[to],subject,body) VALUES('david.forster@enron.com', 'eol.wide@enron.com', 'Change to Stack Manager', 'Effective immediately, there is a change to the Stack Manager which will affect any Inactive Child.

An inactive Child with links to Parent products will not have their calculated prices updated until the Child product is Activated.

When the Child Product is activated, the price will be recalculated and updated BEFORE it is displayed on the web.

This means that if you are inputting a basis price on a Child product, you will not see the final, calculated price until you Activate the product, at which time the customer will also see it.

If you have any questions, please contact the Help Desk on:

Americas: 713 853 4357
Europe: + 44 (0) 20 7783 7783
Asia/Australia: +61 2 9229 2300

Dave');
INSERT INTO email([from],[to],subject,body) VALUES('vince.kaminski@enron.com', 'jhh1@email.msn.com', 'Re: Light reading - see pieces beginning on page 7', 'John,

I saw it. Very interesting.

Vince
"John H Herbert" <jhh1@email.msn.com> on 07/28/2000 08:38:08 AM
To: "Vince J Kaminski" <Vince_J_Kaminski@enron.com>
cc:
Subject: Light reading - see pieces beginning on page 7

Cheers and have a nice weekend,

JHHerbert

- gd000728.pdf

');
INSERT INTO email([from],[to],subject,body) VALUES('matthew.lenhart@enron.com', 'mmmarcantel@equiva.com', 'RE:', 'i will try to line up a pig for you ');
INSERT INTO email([from],[to],subject,body) VALUES('jae.black@enron.com', 'claudette.harvey@enron.com, chaun.roberts@enron.com, judy.martinez@enron.com,' , 'Disaster Recovery Equipment', 'As a reminder...there are several pieces of equipment that are set up on the 30th Floor, as well as on our floor, for the Disaster Recovery Team. PLEASE DO NOT TAKE, BORROW OR USE this equipment. Should you need to use another computer system, other than yours, or make conference calls please work with your Assistant to help find or set up equipment for you to use.

Thanks for your understanding in this matter.

T.Jae Black
East Power Trading
Assistant to Kevin Presto
off. 713-853-5800
fax 713-646-8272
cell 713-539-4760');
INSERT INTO email([from],[to],subject,body) VALUES('eric.bass@enron.com', 'dale.neuner@enron.com', '5 X 24', 'Dale,

Have you heard anything more on the 5 X 24s? We would like to get this product out ASAP.

Thanks,

Eric');
INSERT INTO email([from],[to],subject,body) VALUES('messenger@smartreminders.com', 'm..tholt@enron.com', '10% Coupon - PrintPal Printer Cartridges - 100% Guaranteed', '[IMAGE]
Dear SmartReminders Member,

We respect your privacy and are a Certified Participant of the BBBOnLine Privacy Program. To be removed from future offers, click here.

SmartReminders.com is a permission based service. To unsubscribe, click here.

INSERT INTO email([from],[to],subject,body) VALUES('benjamin.rogers@enron.com', 'mark.bernstein@enron.com', '', 'The guy you are talking about left CIN under a "cloud of suspicion" sort of speak. He was the one who got into several bad deals and PPA's in California for CIN, thus he left on a bad note. Let me know if you need more detail than that, I felt this was the type of info you were looking for. 'Thanks! Ben');

INSERT INTO email([from],[to],subject,body) VALUES('enron_update@concureworkplace.com', 'michelle.cash@enron.com', 'Expense Report Receipts Not Received', 'Employee Name: Michelle Cash Report Name: Houston Cellular 8-11-01 Report Date: 12/13/01 Report ID: 594D37C9ED2111D5B452 Submitted On: 12/13/01

You are only allowed 2 reports with receipts outstanding. Your expense reports will not be paid until you meet this requirement.';

INSERT INTO email([from],[to],subject,body) VALUES('susan.mara@enron.com', 'ray.alvarez@enron.com, mark.palmer@enron.com, karen.denne@enron.com', 'CAISO Emergency Motion -- to discontinue market-based rates for', 'FYI. the latest broadside against the generators.

Sue Mara
Enron Corp.
Sue, did you see this emergency motion the CAISO filed today? Apparently they are requesting that FERC discontinue market-based rates immediately and grant refunds plus interest on the difference between cost-based rates and market revenues received back to May 2000. They are requesting the commission act within 14 days. Have you heard anything about what they are doing?

Marcie


Who is General Brinks?

Fletch');

Here are the documents that Peter has prepared for Mark Frevert.

Nailia

Nailia Dindarova

25/06/2001 15:36

To: Michael Brown/Enron@EUEnronXGate

cc: Ross Sankey/Enron@EUEnronXGate, Eric Shaw/ENRON@EUEnronXGate, Peter Styles/LON/ECT@ECT

Subject: Documents for Mark Frevert (on EU developments and lessons from California)

Michael,
These are the documents that Peter promised to give to you for Mark Frevert. He has now handed them to him in person but asked me to transmit them electronically to you, as well as Eric and Ross.

Nailia

');
INSERT INTO email([from],[to],subject,body) VALUES('peggy.a.kostial@accenture.com',
'dave.samuels@enron.com', 'EOL-Accenture Deal Sheet', 'Dave -

Attached are our comments and suggested changes. Please call to review.

On the time line for completion, we have four critical steps to complete:
  Finalize market analysis to refine business case, specifically projected revenue stream
  Complete counterparty surveying, including targeting 3 CPs for letters of intent
  Review Enron asset base for potential reuse/licensing
  Contract negotiations

Joe will come back to us with an updated time line, but it is my expectation that we are still on the same schedule (we just begun week three) with possibly a week or so slippage.....contract negotiations will probably be the critical path.

We will send our cut at the actual time line here shortly. Thanks,

Peggy

(See attached file: accenture-dealpoints v2.doc)
- accenture-dealpoints v2.doc `);
INSERT INTO email([from],[to],subject,body) VALUES('thomas.martin@enron.com', 'thomas.martin@enron.com', 'Re: Guadalupe Power Partners LP', '---------------------- Forwarded by Thomas A Martin/HOU/ECT on 03/20/2001 03:49 PM ----------------------

Thomas A Martin
10/11/2000 03:55 PM
To: Patrick Wade/HOU/ECT@ECT
cc:
Subject: Re: Guadalupe Power Partners LP

The deal is physically served at Oasis Waha or Oasis Katy and is priced at either HSC, Waha or Katytailgate GD at buyers option three days prior to
NYMEX close.

')

INSERT INTO email([from],[to],subject,body) VALUES('judy.townsend@enron.com', 'dan.junek@enron.com, chris.germany@enron.com', 'Columbia Distribution’s Capacity Available for Release - Sum', '----------
Forwarded by Judy Townsend/HOU/ECT on 03/09/2001 11:04
AM ---------------------

agoddard@nisource.com on 03/08/2001 09:16:57 AM
To: " - *Koch, Kent" <kkoch@nisource.com>, " - *Millar, Debra" <dmillar@nisource.com>, " - *Burke, Lynn" <lburke@nisource.com>
cc: " - *Heckathorn, Tom" <theckathorn@nisource.com>
Subject: Columbia Distribution’s Capacity Available for Release - Sum

Attached is Columbia Distribution’s notice of capacity available for release for

Please note that the deadline for bids is 3:00pm EST on March 20, 2001.

If you have any questions, feel free to contact any of the representatives listed
at the bottom of the attachment.

Aaron Goddard

- 2001Summer.doc
')

INSERT INTO email([from],[to],subject,body) VALUES('rhonda.denton@enron.com', 'tim.belden@enron.com, dana.davis@enron.com, genia.fitzgerald@enron.com', 'Split Rock Energy LLC', 'We have received the executed EEI contract from this CP dated 12/12/2000. Copies will be distributed to Legal and Credit.');

INSERT INTO email([from],[to],subject,body) VALUES('kerrymcelroy@dwt.com', 'jack.speer@alcoa.com, crow@millernash.com, michaelearly@earthlink.net', 'Oral Argument Request', ' - Oral Argument Request.doc');

INSERT INTO email([from],[to],subject,body) VALUES('mike.carson@enron.com', 'rlmichaelis@hormel.com', 'Did you come in town this wk end..... My new number at our house is : 713-668-3712...... my cell # is 281-381-7332

the kid');

INSERT INTO email([from],[to],subject,body) VALUES('cooper.richey@enron.com', 'trycooper@hotmail.com', 'FW: Contact Info', ')
-----Original Message-----
From: Punja, Karim
Sent: Thursday, December 13, 2001 2:35 PM
To: Richey, Cooper
Subject: Contact Info

Cooper,

It's been a real pleasure working with you (even though it was for only a small amount of time)
I hope we can stay in touch.

Home# 234-0249
email: kpunja@hotmail.com

Take Care,

Karim.

I haven't talked to many of you via email recently but I do want to give you
my new address for your email file:

   bjm30@earthlink.net

I hope all is well.

Brian McGuinn');

I haven't talked to many of you via email recently but I do want to give you
my new address for your email file:

   bjm30@earthlink.net

I hope all is well.

Brian McGuinn');

INSERT INTO email([from],[to],subject,body) VALUES('shelley.corman@enron.com', 'steve.hotte@enron.com', 'Flat Panels', 'Can you please advise what is going on with the flat panels that we had planned to distribute to our gas
logistics team. It was in the budget and we had the okay, but now I'm hearing there is some hold-up & the units are
stored on 44.

Shelley');

INSERT INTO email([from],[to],subject,body) VALUES('sara.davidson@enron.com',
'john.schwartenburg@enron.com, scott.dieball@enron.com, recipients@enron.com', '2001 Enron Law Conference
(Distribution List 2)', 'Enron Law Conference
San Antonio, Texas May 2-4, 2001 Westin Riverwalk

See attached memo for more details!!
and will not be available until Thursday, March 15, 2001.

? We will send you another e-mail to confirm when the Law Conference Website is operational.

? Please complete the Online RSVP Form as soon as it is available and submit it no later than Friday, March 30th.

');
INSERT INTO email([from],[to],subject,body) VALUES('tori.kuykendall@enron.com',
'heath.b.taylor@accenture.com', 'Re:', 'hey - thats funny about john - he definitely remembers him - i’ll call pat and let him know - we are coming on saturday - i just havent had a chance to call you guys back -- looking forward to it -- i probably need the directions again though');
INSERT INTO email([from],[to],subject,body) VALUES('darron.giron@enron.com', 'bryce.baxter@enron.com',
'Re: Feedback for Audrey Cook', 'Bryce,

I'll get it done today.

DG 3-9573

From: Bryce Baxter  

To: Darron C Giron/HOU/ECT@ECT 

Subject: Feedback for Audrey Cook 

You were identified as a reviewer for Audrey Cook. If possible, could you complete her feedback by end of business Wednesday? It will really help me in the PRC process to have your input. Thanks.


');
INSERT INTO email([from],[to],subject,body) VALUES('casey.evans@enron.com', 'stephanie.sever@enron.com',
'Gas EOL ID', 'Stephanie,

In conjunction with the recent movement of several power traders, they are changing the names of their gas books as well. The names of the new gas books and traders are as follows:

PWR-NG-LT-SPP: Mike Carson
PWR-NG-LT-SERC: Jeff King
If you need to know their power desk to map their ID to their gas books, those desks are as follows:

EPMI-LT-SPP: Mike Carson  
EPMI-LT-SERC: Jeff King

I will be in training this afternoon, but will be back when class is over. Let me know if you have any questions.

Thanks for your help!

Casey;

 INSERT INTO email([from],[to],subject,body) VALUES('darrell.schoolcraft@enron.com', 'david.roensch@enron.com, kimberly.watson@enron.com, michelle.lokay@enron.com,', 'Postings', 'Please see the attached.

ds

');

 INSERT INTO email([from],[to],subject,body) VALUES('mcominsky@aol.com', 'cpatman@bracepatt.com, james_derrick@enron.com', 'Jurisprudence Luncheon', 'Carrin & Jim --

It was an honor and a pleasure to meet both of you yesterday. I know we will have fun working together on this very special event.

Jeff left the jurisprudence luncheon lists for me before he left on vacation.
I wasn’t sure whether he transmitted them to you as well. Would you please advise me if you would like them sent to you? I can email the MS Excel files or I can fax the hard copies to you. Please advise what is most convenient.

I plan to be in town through the holidays and can be reached by phone, email, or cell phone at any time. My cell phone number is 713/705-4829.

Thanks again for your interest in the ADL’s work. Martin.

Martin B. Cominsky  
Director, Southwest Region  
Anti-Defamation League  
713/627-3490, ext. 122  
713/627-2011 (fax)  
MCominsky@aol.com');

 INSERT INTO email([from],[to],subject,body) VALUES('phillip.love@enron.com', 'todagost@utmb.edu, gbsonnta@utmb.edu', 'New President', 'I had a little bird put a word in my ear. Is there any possibility for Ben Raimer to be Bush’s secretary of HHS? Just curious about that infamous UTMB rumor mill. Hope things are well, happy holidays.

PL');
Pursuant to your request, attached are the Schedule to the ISDA Master Agreement, together with Paragraph 13 to the ISDA Credit Support Annex. Please let me know if you need anything else. We look forward to hearing your comments.

Marie

Marie Heard
Senior Legal Specialist
Enron North America Corp.
Phone: (713) 853-3907
Fax: (713) 646-3490
marie.heard@enron.com

---

Beverly - once again thanks so much for your help on this.

Please contact me if you have any questions regarding last weeks prices.

Thank you,
Karolyn Criado
3-9441

In addition, please find out what a buy-out of VEPCO would cost us. With Rogers transitioning to run our retail risk management, I would like to clean up our customer positions.

We also need to continue to explore a JEA buy-out.

Thanks.

---

Gregg,
I am at home with a sick baby. (Lots of fun!) I will call you about this tomorrow.

Stacy;

I sent you a fax of Kevin Kolb's comments on the release. The payoff on the note would be $36,248 ($36090(principal) + $158 (accrued interest)).
This is assuming we wrap this up on Tuesday.

Please email to confirm that their changes are ok so I can set up a meeting on Tuesday to reach closure.

Phillip);

I placed the adjusted L/R Balance on the Enronwest site. It is under the "Staff/Kourtney Nelson". There are two links:

1) "Adj L_R" is the same data/format from the weekly strategy meeting.
2) "New Gen 2001_2002" link has all of the supply side info that is used to calculate the L/R balance
   -Please note the Data Flag column, a value of "3" indicates the project was cancelled, on hold, etc and is not
   included in the calc.

Both of these sheets are interactive Excel spreadsheets and thus you can play around with the data as you please.
Also, James Bruce is working to get his gen report on the web. That will help with your access to information on
new gen.

Please let me know if you have any questions or feedback,

Kourtney
Paul,

I reviewed NY’s list. I agree with all of their contracts numbers and mw amounts.

Call if you have any more questions.

Rebecca

-----Original Message-----
From: Thomas, Paul D.
Sent:Monday, December 17, 2001 9:08 AM
To:Grace, Rebecca M.
Subject:FW: Current Enron TCC Portfolio

<< File: enrontccs.xls >>
Rebecca,
Let me know if you see any differences.

Paul
X 3-0403
-----Original Message-----
From: Thomas, Paul D.
Sent: Monday, December 17, 2001 9:04 AM
To: Ahmed, Naveed
Subject: FW: Current Enron TCC Portfolio

-----Original Message-----
From: Thomas, Paul D.
Sent: Thursday, December 13, 2001 10:01 AM
To: Baughman, Edward D.
Subject: Current Enron TCC Portfolio

');
INSERT INTO email([from],[to],subject,body) VALUES('stephanie.panus@enron.com', 'william.bradford@enron.com, debbie.brackett@enron.com', 'Coastal Merchant Energy/El Paso Merchant Energy', 'Coastal Merchant Energy, L.P. merged with and into El Paso Merchant Energy,'
L.P., effective February 1, 2001, with the surviving entity being El Paso Merchant Energy, L.P. We currently have ISDA Master Agreements with both counterparties. Please see the attached memo regarding the existing Masters and let us know which agreement should be terminated.

Thanks,
Stephanie

-----Original Message-----
From: Kenne, Dawn C.
Sent: Wednesday, February 06, 2002 11:50 AM
To: Keiser, Kam
Subject: What about this too???

<< File: Netco Trader Matrix.xls >>

Thanks

chris
x31666

Debra Perlingiere
Enron North America Corp.
1400 Smith Street, EB 3885
Houston, Texas 77002
dperlin@enron.com
Phone 713-853-7658
Fax 713-646-3490

Date:1/5/2001
Time:9:00 AM - 10:00 AM (Central Standard Time)
Dear Mark,

Justin Boyd told me that you can help me with questions regarding Chile. We got a request for guest access through MG. The company is called Escondida and is a subsidiary of BHP Australia.

Please advise if I can set up a guest account or not.

F.Y.I.: MG is planning to put a "in w/h Chile" contract for Copper on-line as soon as Enron has done the due diligence for this country.

Thanks!

Best regards

Diana Seifert
Please refer to the Worldwide Customer Support card for a complete technical support contact list.

-----Original Message-----
From: Quigley, Dutch
Sent: Wednesday, October 31, 2001 10:14 AM
To: Storey, Geoff
Subject: RE:

bp corp
Albert LaMore
281-366-4962

running the reports now

-----Original Message-----
From: Storey, Geoff
Sent: Wednesday, October 31, 2001 10:10 AM
To: Quigley, Dutch
Subject: RE:

give me a contact over there too
BP

-----Original Message-----
From: Quigley, Dutch
Sent: Wednesday, October 31, 2001 9:42 AM
To: Storey, Geoff
Subject:

Coral
Jeff Whitnah
713-767-5374
Reliant
Steve McGinn
713-207-4000

Variances detected. Variances detected in Load schedule.

LOG MESSAGES:
---- Load Schedule ----
$$ Variance found in table tblLoads.

  Details: (Hour: 3 / Preferred: 1.92 / Final: 1.89)
  TRANS_TYPE: FINAL
  LOAD_ID: PGE4
  MKT_TYPE: 2
  TRANS_DATE: 4/22/01
  SC_ID: EPMI

');
INSERT INTO email([from],[to],subject,body) VALUES('john.postlethwaite@enron.com', 'john.zufferli@enron.com', 'Reference', 'John, hope things are going well up there for you. The big day is almost here for you and Jessica. I was wondering if I could use your name as a job reference if need be. I am just trying to get everything in order just in case something happens.

John');
INSERT INTO email([from],[to],subject,body) VALUES('jeffrey.shankman@enron.com', 'lschiffm@jonesday.com', 'Re:', 'I saw you called on the cell this a.m. Sorry I missed you. (I was in the shower). I have had a shitty week--I suspect my silence (not only to you, but others) after our phone call is a result of the week. I'm seeing Glen at 11:15....talk to you');
INSERT INTO email([from],[to],subject,body) VALUES('litebytz@enron.com', '', 'Lite Bytz RSVP', 'This week’s Lite Bytz presentation will feature the following TOOLZ speaker:

Richard McDougall
Solaris 8
Thursday, June 7, 2001

If you have not already signed up, please RSVP via email to litebytz@enron.com by the end of the day Tuesday, June 5, 2001.

*Remember: this is now a Brown Bag Event--so bring your lunch and we will provide cookies and drinks.

Click below for more details.

http://home.enron.com:84/messaging/litebytztoolzprint.jpg');
  COMMIT;
} }
] { }

*******************************************************************************
# Everything above just builds an interesting test database. The actual
# tests come after this comment.
*******************************************************************************
do_test fts3ac-1.2 {
execsql {
    SELECT rowid FROM email WHERE email MATCH 'mark'
} } {6 17 25 38 40 42 73 74}
do_test fts3ac-1.3 {
execsql {
    SELECT rowid FROM email WHERE email MATCH 'susan'
} } {24 40}
do_test fts3ac-1.4 {
execsql {
    SELECT rowid FROM email WHERE email MATCH 'mark susan'
} } {40}
do_test fts3ac-1.5 {
execsql {
    SELECT rowid FROM email WHERE email MATCH 'susan mark'
} } {40}
do_test fts3ac-1.6 {
execsql {
    SELECT rowid FROM email WHERE email MATCH 'mark susan'
} } {40}
do_test fts3ac-1.7 {
execsql {
    SELECT rowid FROM email WHERE email MATCH 'mark -susan'
} } {6 17 25 38 42 73 74}
do_test fts3ac-1.8 {
execsql {
    SELECT rowid FROM email WHERE email MATCH '-mark susan'
} } {24}
do_test fts3ac-1.9 {
execsql {
    SELECT rowid FROM email WHERE email MATCH 'mark OR susan'
} } {6 17 24 25 38 40 42 73 74}

# Some simple tests of the automatic "offsets(email)" column. In the sample
# data set above, only one message, number 20, contains the words
# "gas" and "reminder" in both body and subject.
#
do_test fts3ac-2.1 {
execsql {
    SELECT rowid, offsets(email) FROM email
}
WHERE email MATCH 'gas reminder'
}
} {20 {2 0 42 3 2 1 54 8 3 0 42 3 3 1 54 8 3 0 129 3 3 0 143 3 3 0 240 3}}
do_test fts3ac-2.2 {
execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE email MATCH 'subject:gas reminder'
}
} {20 {2 0 42 3 2 1 54 8 3 1 54 8 3 0 129 3 3 0 143 3 3 0 240 3}}
do_test fts3ac-2.3 {
execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE email MATCH 'body:gas reminder'
}
} {20 {2 1 54 8 3 0 42 3 3 1 54 8 3 0 129 3 3 0 143 3 3 0 240 3}}
do_test fts3ac-2.4 {
execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE subject MATCH 'gas reminder'
}
} {20 {2 0 42 3 2 1 54 8}}
do_test fts3ac-2.5 {
execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE body MATCH 'gas reminder'
}
} {20 {3 0 42 3 3 1 54 8 3 0 129 3 3 0 143 3 3 0 240 3}}

# Document 32 contains 5 instances of the world "child". But only
# 3 of them are paired with "product". Make sure only those instances
# that match the phrase appear in the offsets(email) list.
#
do_test fts3ac-3.1 {
execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE body MATCH 'child product' AND +rowid=32
}
} {32 {3 0 94 5 3 0 114 5 3 0 207 5 3 1 213 7 3 0 245 5 3 1 251 7 3 0 409 5 3 1 415 7 3 1 493 7}}
do_test fts3ac-3.2 {
execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE body MATCH "child product"
}
} {32 {3 0 207 5 3 1 213 7 3 0 245 5 3 1 251 7 3 0 409 5 3 1 415 7}}

# Snippet generator tests
#
do_test fts3ac-4.1 {
do_test fts3ac-4.1 {
    execsql {
        SELECT snippet(email) FROM email
        WHERE email MATCH 'subject:gas reminder'
    }
} {}
{
    [Alert Posted 10:00 AM November 20,2000: E-<b>GAS</b>/ Request <b>Reminder</b>]
}
do_test fts3ac-4.2 {
    execsql {
        SELECT snippet(email) FROM email
        WHERE email MATCH 'christmas candlelight'
    }
} {}
{
    [<b>...</b>here <b>Christmas</b>]
}
eve?? They have an 11:00 a.m. service and a <b>candlelight</b>/ service<b>...</b>}
do_test fts3ac-4.3 {
    execsql {
        SELECT snippet(email) FROM email
        WHERE email MATCH 'deal sheet potential reuse'
    }
} {}
{
    [EOL-Accenture <b>Deal</b> <b>Sheet</b>... asset base for <b>potential</b>/ licensing
     Contract negotiations <b>...</b>]
}
do_test fts3ac-4.4 {
    execsql {
        SELECT snippet(email,'<<<','>>>',' ') FROM email
        WHERE email MATCH 'deal sheet potential reuse'
    }
} {}
{
    [EOL-Accenture <<<Deal>>> <<<Sheet>>> asset base for <<<potential>>> <<<reuse>>>/ licensing
     Contract negotiations ]
}
do_test fts3ac-4.5 {
    execsql {
        SELECT snippet(email,'<<<','>>>',' ') FROM email
        WHERE email MATCH 'first things'
    }
} {}
{
    [Re: <<<First>>> Polish Deal! Congrats! <<<Things>>> seem to be building rapidly now ]
}
do_test fts3ac-4.6 {
    execsql {
        SELECT snippet(email) FROM email
        WHERE email MATCH 'chris is here'
    }
} {}
{
    [<b>...</b>bet this <b>is</b> next to<b>...</b>about going <b>here</b> Christmas
    eve<b>...</b>]
}
do_test fts3ac-4.7 {
    execsql {
        SELECT snippet(email) FROM email
        WHERE email MATCH '"pursuant to"
    }
} {}
{
    [Erin:
Pursuant to your request, attached are the Schedule to the ISDA Master Agreement, together...

```
do_test fts3ac-4.8 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'ancillary load davis'
  }
} {{pete.davis@enron.com...3; No ancillary schedules awarded detected in Load schedule.

LOG...}}

# Combinations of AND and OR operators:
#
do_test fts3ac-5.1 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'questar enron OR com'
  }
} {{matt.smith@enron.com...31 Keystone Receipts
15 <b>Questar</b> Pipeline
40 Rockies...}}
do_test fts3ac-5.2 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'enron OR com questar'
  }
} {{matt.smith@enron.com...31 Keystone Receipts
15 <b>Questar</b> Pipeline
40 Rockies...}}

# Test a problem reported on the mailing list.
#
do_test fts3ac-6.1 {
  execsql {
    CREATE VIRTUAL TABLE ft USING fts3(one, two);
    INSERT INTO ft VALUES('', 'foo');
    INSERT INTO ft VALUES('foo', 'foo');
    SELECT offsets(ft) FROM ft WHERE ft MATCH 'foo';
  }
} {{1 0 0 3} {0 0 0 3 1 0 0 3}}
do_test fts3ac-6.2 {
  execsql {
    DELETE FROM ft WHERE one = 'foo';
    SELECT offsets(ft) FROM ft WHERE ft MATCH 'foo';
  }
}
finish_test

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1.4706 redis 4.0.11

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1.4707 pcre 8.41

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Eclipse

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message
Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

Oracle OpenJDK

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* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm

Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

MortBay
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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.4732 jackson-module-parameter-names
2.9.8

1.4733 boringssl 4.1.1-12.el7_6.19
1.4733.1 Available under license:

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1.4736 libnfsidmap 0.25 19.el7

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1.4737 go-flags 1.4.0

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1.4740 boringssl 2.0.7

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* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
jar/io/netty/handler/ssl/JdkNpnApplicationProtocolNegotiator.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
jar/io/netty/handler/ssl/SslUtils.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
jar/io/netty/handler/ssl/CipherSuiteConverter.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-

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*/opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
ar/jar/io/netty/handler/ssl/OpenSslPrivateKeyMethod.java
*/opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
ar/jar/io/netty/handler/ssl/util/SimpleKeyManagerFactory.java
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* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/TrustManagerFactoryWrapper.java

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* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1.jar/io/netty/handler/ssl/OpenSslCachingX509KeyManagerFactory.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1.jar/io/netty/handler/ssl/OpenSslCachingKeyMaterialProvider.java
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* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1.jar/io/netty/handler/ssl/ExtendedOpenSslSession.java

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- Strongtalk assembler, the basis of the files assembler-arm-inl.h, assembler-arm.cc, assembler-arm.h, assembler-ia32-inl.h, assembler-ia32.cc, assembler-ia32.h, assembler-x64-inl.h, assembler-x64.cc, assembler-x64.h, assembler-mips-inl.h, assembler-mips.cc, assembler-mips.h, assembler.cc and assembler.h. This code is copyrighted by Sun Microsystems Inc. and released under a 3-clause BSD license.

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- The Wasm C/C++ API headers, located at third_party/wasm-api/wasm.{h,hh}. This is released under the Apache license. The API's upstream prototype implementation also formed the basis of V8's implementation in src/wasm/c-api.cc.

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Tests included here are based on build output generated by the six-speed benchmark suite.

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THE BASIC LIBRARY FUNCTIONS
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Written by: Philip Hazel
Email local part: ph10
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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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1.4746 cookie-signature 1.0.6

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Sign and unsign cookies.

```javascript
```
var val = cookie.sign('hello', 'tobiiscool');
val.should.equal('hello.DGDUkGlIkCzPz+C0B064FNgHdEjox7ch8tOBGslZ5QI');

var val = cookie.sign('hello', 'tobiiscool');
cookie.unsign(val, 'tobiiscool').should.equal('hello');
cookie.unsign(val, 'luna').should.be.false;

```
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1.4747 raw-loader 0.5.1

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1.4750 bouncy-castle 1.60

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1.4753 jersey-media-jaxb 2.31

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1.4758 stringify-package 1.0.1

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1.4759 logstash-input-sqs 3.1.2

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1.4762 npm-package-arg 8.1.0-1

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1.4763 p11-kit 0.23.15-2+deb10u1

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1.4765 jnr-ffi 2.1.9

1.4766 e2fsprogs 1.43.4 2
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*/

Index: tdbsa/tdb.c

===================================================================

---
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
*/
/*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
-
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Theodore Ts'o
23-June-2007

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they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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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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Thus, it is not the intent of this section to claim rights or contest
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exercise the right to control the distribution of derivative or
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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 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
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c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, 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

That's all there is to it! This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

http://sourceforge.net/projects/e2fsprogs

Upstream Author: Theodore Ts'o <tytso@mit.edu>

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DAMAGE.
This is the Debian GNU/Linux prepackaged version of the ss
command-line interface parsing library. It is currently
distributed together with the EXT2 file system utilities, which are
otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>,
from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

From the original distribution:

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#
# This is a Makefile stub which handles the creation of BSD shared
# libraries.
#
# In order to use this stub, the following makefile variables must be defined.
# 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): $(OBSJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBSJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f $(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) `echo $(my_dir) | sed -e 's;lib/;;'`/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$((INSTALL_PROGRAM) $(BSD_LIB) \
$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)

This is the Debian GNU/Linux prepackaged version of the Common Error Description library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
From the original distribution:

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Gadi Oxman, August 1995

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Version 2, June 1991

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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 most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

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The source code for a work means the preferred form of the work for
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Protocol Buffers for Go with Gadgets

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Alex A. Skinner
Andrew Tunnell-Jones
Ask Bjrn Hansen
Dave Cheney
Dusty Wilson
Marek Majkowski
Peter van Dijk
Omri Bahumi
Alex Sergeyev
James Hartig
package api
import (  
    "io/ioutil"
    "strings"
    "time"
)

type License struct {  
    // The unique identifier of the license  
    LicenseID string `json:"license_id""

    // The customer ID associated with the license  
    CustomerID string `json:"customer_id""

    // If set, an identifier that should be used to lock the license to a  
    // particular site, cluster, etc.  
    InstallationID string `json:"installation_id""

    // The time at which the license was issued  
    IssueTime time.Time `json:"issue_time""

    // The time at which the license starts being valid  
    StartTime time.Time `json:"start_time""

    // The time after which the license expires  
    ExpirationTime time.Time `json:"expiration_time""

    // The time at which the license ceases to function and can  
    // no longer be used in any capacity  
    TerminationTime time.Time `json:"termination_time""

    // The product the license is valid for  
    Product string `json:"product""

    // License Specific Flags  
    Flags map[string]interface{} `json:"flags""

    // List of features enabled by the license  
    Features []string `json:"features""
    }

type LicenseReply struct {  
    Valid bool  
    License *License  
    Warnings []string
    }

func (op *Operator) LicenseGet(q *QueryOptions) (*LicenseReply, error) {  
    var reply LicenseReply

func (op *Operator) LicenseGetSigned(q *QueryOptions) (string, error) {
    r := op.c.newRequest("GET", "/v1/operator/license")
    r.params.Set("signed", "1")
    r.setQueryOptions(q)
    _, resp, err := requireOK(op.c.doRequest(r))
    if err != nil {
        return "", err
    }
    defer resp.Body.Close()

    data, err := ioutil.ReadAll(resp.Body)
    if err != nil {
        return "", err
    }

    return string(data), nil
}

// LicenseReset will reset the license to the built-in one if it is still valid.
// If the built-in license is invalid, the current license stays active.
func (op *Operator) LicenseReset(opts *WriteOptions) (*LicenseReply, error) {
    var reply LicenseReply
    r := op.c.newRequest("DELETE", "/v1/operator/license")
    r.setWriteOptions(opts)
    _, resp, err := requireOK(op.c.doRequest(r))
    if err != nil {
        return nil, err
    }
    defer resp.Body.Close()

    if err := decodeBody(resp, &reply); err != nil {
        return nil, err
    }

    return &reply, nil
}

func (op *Operator) LicensePut(license string, opts *WriteOptions) (*LicenseReply, error) {
    var reply LicenseReply
    r := op.c.newRequest("PUT", "/v1/operator/license")
    r.setWriteOptions(opts)
r.body = strings.NewReader(license)
_, resp, err := requireOK(op.c.doRequest(r))
if err != nil {
    return nil, err
}
defer resp.Body.Close()

if err := decodeBody(resp, &reply); err != nil {
    return nil, err
}

return &reply, nil

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>>> go_internal-cd0da878c66091060d2e7403ab62192b3e387e0
>>> golang_glog-23def4e6c14b4da8ace2ed8007377bc5eb5007998
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>>> hashicorp_go-cleanhttp-875fb671b3ddc66f8e2f0acc33829c8cb989a38d
>>> hashicorp_memberlist-cef12ad58224d55cf26ca9e3d239c2fcb3432a2

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>>> krb5-1.16-2.ph2
>>> libarchive-3.3.1-2.ph2
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>>> zlib-1.2.11-1.ph2

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>>> gcc-6.3.0-7.ph2
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>>> libgpg-error-1.27-1.ph2
>>> systemd-233-18.ph2

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>>> nspr-4.15-1.ph2
>>> nss-3.31.1-1.ph2

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>>> cpuguy83_go-md2man_md2man-a65d4d2de4d5f7c74868af9b202a3c8be315aaa

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>>> d2g_dhcp4-f0e4d29ff0231dce36e250b2ed9ff08412584bca

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>>> go-check_check-20d25e2804050c1cd24a7eea1e7a6447dd0e74ec

Gocheck - A rich testing framework for Go

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>>> godbus_dbus-230e4b23db2fd81c53eaa0073f76659d4849ce51

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Protocol Buffers for Go with Gadgets

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>>> julienschmidt/httprouter-975b5c4c7c21c0e3d2764200bf2aa8e34657ae6e

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objx - by Mat Ryer and Tyler Bunnell

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>>> tomb_v1-dd632973f1e7218eb1089048e0798ec9ae7dceb8

tomb - support for clean goroutine termination in Go.

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>>> x_net_lex_httplex-a6577fac2d73be281a500b310739095313165611

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>>> x_sys_unix-99f16d856c9836c42d24e7ab64ea72916925fa97

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>>> x_sys_windows-99f16d856c9836c42d24e7ab64ea72916925fa97

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>>> x_text_internal-f28f36722d5ef2f9655ad3de1f248e3e52ad5ebe

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>>> x_text_message-f28f36722d5ef2f9655ad3de1f248e3e52ad5ebd

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+build appengine

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It is designed to run only on the instance of godoc that serves golang.org.
package short

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>>> curl-7.59.0-4.ph2

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lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
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lib/gssapi/mechglue/g_dsp_status.c
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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
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 is a plain C recursive-descent translation of an old public-domain YACC grammar that has been used for parsing dates in very many open-source projects.

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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>
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chkconfig:   2345 11 89
description: sets up CBQ-based traffic control

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IPv6 Hop Limit Target module
Maciej Soltysiak <solt@dns.toxicfilms.tv>
Based on HW's ttl target
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This code offers a very basic support for this EISA bus present in the SGI Indigo-2. It currently only supports PIO (forget about DMA for the time being). This is enough for a low-end ethernet card, but forget about your favorite SCSI card...

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A more complete resource is the third edition of "Linux Device Drivers" by Jonathan Corbet, Alessandro Rubini, and Greg Kroah-Hartman. LDD3 is available for free (under Creative Commons License) from:

http://lwn.net/Kernel/LDD3/

However, keep in mind that all documents are subject to "bit rot". Refer to the source code if things are not working as described here.

Please send questions/comments/patches about Linux PCI API to the "Linux PCI" <linux-pci@atrey.karlin.mff.cuni.cz> mailing list.

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uuidparse.c --- Interpret uuid encoded information. This program violates the UUID abstraction barrier by reaching into the guts of a UUID.

Based on libuuid/src/uuid_time.c
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From Simon Josefsson
-- derivated from coreutils m4/warnings.m4

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setpwnam.c -- edit an entry in a password database.

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Edited 11/10/96 (DD/MM/YY :-) by Nicolai Langfeldt (janl@math.uio.no) to read /etc/passwd directly so that passwd, chsh and chfn can work on machines that run NIS (previously YP). Changes will not be made to usernames starting with +.

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Usage:
1) get a struct passwd from getpwnam(). You should assume a struct passwd has an infinite number of fields, so you should not try to create one from scratch.
2) edit the fields you want to edit.
3) call setpwnam() with the edited struct passwd.

A _normal user_ program should never directly manipulate etc/passwd but 
/use getpwnam() and (family, as well as) setpwnam().

But, setpwnam was made to _edit_ the password file. For use by chfn, 
chsh and passwd, _I_ _HAVE_ to read and write /etc/passwd directly. Let 
those who say nay be forever silent and think about how getpwnam (and 
family) works on a machine running YP.

Added checks for failure of malloc() and removed error reporting to 
stderr, this is a library function and should not print on the screen, 
but return appropriate error codes.
27-Jan-97 - poe@daimi.aau.dk

Thanks to "two guys named Ian".

$Author: poer $
$Revision: 1.13 $
$Date: 1997/06/23 08:26:29 $

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Python bindings for the libmount library.

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Written by Ondrej Oprala and Karel Zak

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Bison implementation for Yacc-like parsers in C


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error.c -- Functions for handling errors.

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A Bison parser, made by GNU Bison 3.0.4.

Bison interface for Yacc-like parsers in C


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This implementation of the PWB library alloca function, which is used to allocate space off the run-time stack so that it is automatically reclaimed upon procedure exit, was inspired by discussions with J. Q. Johnson of Cornell. J.Otto Tennant <jot@cray.com> contributed the Cray support.

There are some preprocessor constants that can be defined when compiling for your specific system, for improved efficiency; however, the defaults should be okay.

The general concept of this implementation is to keep track of all alloca-allocated blocks, and reclaim any that are found to be deeper in the stack than the current invocation. This heuristic does not reclaim storage as soon as it becomes invalid, but it will do so eventually.
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alloca.c -- allocate automatically reclaimed memory
(Mostly) portable public-domain implementation -- D A Gwyn

This implementation of the PWB library alloca function,
which is used to allocate space off the run-time stack so
that it is automatically reclaimed upon procedure exit,
was inspired by discussions with J. Q. Johnson of Cornell.
J. Otto Tennant <jot@cray.com> contributed the Cray support.

There are some preprocessor constants that can
be defined when compiling for your specific system, for
improved efficiency; however, the defaults should be okay.

The general concept of this implementation is to keep
track of all alloca-allocated blocks, and reclaim any
that are found to be deeper in the stack than the current
invocation. This heuristic does not reclaim storage as
soon as it becomes invalid, but it will do so eventually.

As a special case, alloca(0) reclaims storage without
allocating any. It is a good idea to use alloca(0) in
your main control loop, etc. to force garbage collection.

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/libgcrypt-1.8.1.tar.bz2/libgcrypt-1.8.1.tar\libgcrypt-1.8.1\random\jitterentropy-base.c

This module is part of the cryptlib continuously seeded pseudorandom
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DRBG: Deterministic Random Bits Generator
Based on NIST Recommended DRBG from NIST SP800-90A with the following properties:
CTR DRBG with DF with AES-128, AES-192, AES-256 cores
Hash DRBG with DF with SHA-1, SHA-256, SHA-384, SHA-512 cores
HMAC DRBG with DF with SHA-1, SHA-256, SHA-384, SHA-512 cores
with and without prediction resistance

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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.

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Otherwise, if the work is a derivative of the Library, you may
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Version 2.1, February 1999

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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
Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

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      (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.
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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also 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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Version 3, 29 June 2007

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SIL OPEN FONT LICENSE

Version 1.1 - 26 February 2007

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mgo - MongoDB driver for Go

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Portions of the client are based on code at:
https://github.com/google/go-github/

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---

layout: api
page_title: License - Operator - HTTP API
sidebar_current: api-operator-license
description: |
The /operator/license endpoints allow for setting and retrieving the Consul Enterprise License.

---

# License - Operator HTTP API

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This endpoint gets information about the current license.

<table>
<thead>
<tr>
<th>Method</th>
<th>Path</th>
<th>Produces</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>GET</code></td>
<td><code>/operator/license</code></td>
<td><code>application/json</code></td>
</tr>
</tbody>
</table>

The table below shows this endpoint's support for blocking queries, consistency modes, agent caching, and required ACLs.

<table>
<thead>
<tr>
<th>Blocking Queries</th>
<th>Consistency Modes</th>
<th>Agent Caching</th>
<th>ACL Required</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>NO</code></td>
<td><code>all</code></td>
<td><code>none</code></td>
<td><code>none</code></td>
</tr>
</tbody>
</table>

### Parameters

- `dc` `(string: `")` - Specifies the datacenter whose license should be retrieved. This will default to the datacenter of the agent serving the HTTP request. This is specified as a URL query parameter.

### Sample Request

```
$ curl \
http://127.0.0.1:8500/v1/operator/license
```

### Sample Response

```
```
```
"product": "consul",
"flags": {
    "package": "premium"
},
"features": [
    "Automated Backups",
    "Automated Upgrades",
    "Enhanced Read Scalability",
    "Network Segments",
    "Redundancy Zone",
    "Advanced Network Federation"
],
"temporary": false
},
"Warnings": []
```
```bash
$ curl
   --request PUT
   --data @consul.license
   http://127.0.0.1:8500/v1/operator/license
```

### Sample Response

```json
{
    "Valid": true,
    "License": {
        "license_id": "2afbf681-0d1a-0649-cb6c-333ec9f0989c",
        "customer_id": "0259271d-8ffc-e85e-0830-c0822c1f5f2b",
        "installation_id": "*",
        "issue_time": "2018-05-21T20:03:35.911567355Z",
        "start_time": "2018-05-21T04:00:00Z",
        "expiration_time": "2019-05-22T03:59:59.999Z",
        "product": "consul",
        "flags": {
            "package": "premium"
        },
        "features": [
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            "Automated Upgrades",
            "Enhanced Read Scalability",
            "Network Segments",
            "Redundancy Zone",
            "Advanced Network Federation"
        ],
        "temporary": false
    },
    "Warnings": []
}
```

## Resetting the Consul License

This endpoint resets the Consul license to the license included in the Enterprise binary. If the included license is not valid, the replace will fail.

<table>
<thead>
<tr>
<th>Method</th>
<th>Path</th>
<th>Produces</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>DELETE</code></td>
<td><code>/operator/license</code></td>
<td><code>application/json</code></td>
</tr>
</tbody>
</table>

The table below shows this endpoint's support for
<table>
<thead>
<tr>
<th>Blocking Queries</th>
<th>Consistency Modes</th>
<th>Agent Caching</th>
<th>ACL Required</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>NO</code></td>
<td><code>none</code></td>
<td><code>none</code></td>
<td><code>operator:write</code></td>
</tr>
</tbody>
</table>

### Parameters

- `dc` (string: `""`) - Specifies the datacenter whose license should be updated. This will default to the datacenter of the agent serving the HTTP request. This is specified as a URL query parameter.

### Sample Request

```
$ curl \
   --request DELETE \
   http://127.0.0.1:8500/v1/operator/license
```

### Sample Response

```
{
   "Valid": true,
   "License": {
      "license_id": "2afbf681-0d1a-0649-cb6c-333ec9f0989c",
      "customer_id": "0259271d-8ffc-e85e-0830-c0822c1f5f2b",
      "installation_id": "*",
      "issue_time": "2018-05-21T20:03:35.911567355Z",
      "start_time": "2018-05-21T04:00:00Z",
      "expiration_time": "2019-05-22T03:59:59.999Z",
      "product": "consul",
      "flags": {
         "package": "premium"
      },
      "features": [
         "Automated Backups",
         "Automated Upgrades",
         "Enhanced Read Scalability",
         "Network Segments",
         "Redundancy Zone",
         "Advanced Network Federation"
      ],
      "temporary": false
   }
}
```
procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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type Legal_RegulatedWorkload struct {
    Entity

    // no documentation yet
    Account *Account `json:"account,omitempty" xmlrpc:"account,omitempty"

    // no documentation yet
    AccountId *int `json:"accountId,omitempty" xmlrpc:"accountId,omitempty"

    // no documentation yet
    EnabledFlag *bool `json:"enabledFlag,omitempty" xmlrpc:"enabledFlag,omitempty"

    // no documentation yet
    Id *int `json:"id,omitempty" xmlrpc:"id,omitempty"

    // no documentation yet
    Type *Legal_RegulatedWorkload_Type `json:"type,omitempty" xmlrpc:"type,omitempty"

    // no documentation yet
    WorkloadTypeId *int `json:"workloadTypeId,omitempty" xmlrpc:"workloadTypeId,omitempty"
}
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1.4777 big-time 2.0.1

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1.4778 wgs84 0.0.0

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1.4779 resolve-pathname 2.2.0

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1.4780 zlib 1.2.8

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version 1.2.11, January 15th, 2017

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jloup@gzip.org    madler@alumni.caltech.edu

*/

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1.4781 zlib 1.6.35

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1.4782 python-requests 2.22.0

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1.4783 python-defaults 2.7.18-3

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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

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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1.4800 go-playground-locales v0.12.1

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1.4801 x-net v0.0.0-20200707034311-ab3426394381

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1.4802 bolt v1.3.3

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1.4803 ws 6.2.1

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1.4804 babel-plugin-transform-strict-mode

6.24.1

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1.4805 commons-fileupload 1.4

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- analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java

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The Polish analyzer (stempel) comes with a default stopword list that is BSD-licensed created by the Carrot2 project. The file resides in stempel/src/resources/org/apache/lucene/analysis/pl/stopwords.txt. See http://project.carrot2.org/license.html.

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@end ifinfo
@end page
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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 engine

import (
    "bytes"
    "encoding/json"
    "strings"
    "testing"
    "time"

    "github.com/docker/cli/cli/command/formatter"
    "github.com/docker/cli/cli/internal/licenseutils"
    "github.com/docker/licensing/model"
    "gotest.tools/v3/assert"
is "gotest.tools/v3/assert/cmp"
func TestSubscriptionContextWrite(t *testing.T) {
cases := []struct {
  context  formatter.Context
  expected string
}

// Errors
{
  formatter.Context{Format: "{{InvalidFunction}}"},
  'Template parsing error: template: :1: function "InvalidFunction" not defined
},
{
  formatter.Context{Format: "{{nil}}"},
  'Template parsing error: template: :1:2: executing "" at <nil>: nil is not a command
},

// Table format
{
  formatter.Context{Format: NewSubscriptionsFormat("table", false)},
  'NUM    OWNER     PRODUCT ID  EXPIRES        PRICING COMPONENTS
  1       owner1   productid1  2020-01-01 10:00:00 +0000 UTC  compstring
  2       owner2   productid2  2020-01-01 10:00:00 +0000 UTC  compstring
},
{
  formatter.Context{Format: NewSubscriptionsFormat("table", true)},
  '1:License Name: name1Quantity: 10 nodesExpiration date: 2020-01-01
  2:License Name: name2Quantity: 20 nodesExpiration date: 2020-01-01
},
{
  formatter.Context{Format: NewSubscriptionsFormat("table {{.Owner}}", false)},
  'OWNER
  owner1
  owner2
},
{
  formatter.Context{Format: NewSubscriptionsFormat("table {{.Owner}}", true)},
  'OWNER
  owner1
  owner2
},

// Raw Format
{
expiration, _ := time.Parse(time.RFC822, "01 Jan 20 10:00 UTC")

for _, testcase := range cases {
    subscriptions := []licenseutils.LicenseDisplay{
        {
            Num: 1,
            Owner: "owner1",
            Subscription: model.Subscription{
                ID: "id1",
                Name: "name1",
                ProductID: "productid1",
                Expires: &expiration,
                PricingComponents: model.PricingComponents{
                    &model.SubscriptionPricingComponent{
                        Name: "nodes",
                        Value: 10,
                    },
                },
                ComponentsString: "compstring",
            },
        },
    }
}

func TestSubscriptionContextWriteJSON(t *testing.T) {
    expiration, _ := time.Parse(time.RFC822, "01 Jan 20 10:00 UTC")
    subscriptions := []licenseutils.LicenseDisplay{
        {
            Num:  1,
            Owner: "owner1",
            Subscription: model.Subscription{
                ID:   "id1",
                Name: "name1",
                ProductID: "productid1",
                Expires: &expiration,
                PricingComponents: model.PricingComponents{
                    &model.SubscriptionPricingComponent{ Name: "nodes", Value: 10, },
                },
                ComponentsString: "compstring",
            },
        },
    }
    out := &bytes.Buffer{
    }
    testcase.context.Output = out
    err := SubscriptionsWrite(testcase.context, subscriptions)
    if err != nil {
        assert.Error(t, err, testcase.expected)
    } else {
        assert.Check(t, is.Equal(testcase.expected, out.String()))
    }
}

func TestSubscriptionContextWriteJSON(t *testing.T) {
    expiration, _ := time.Parse(time.RFC822, "01 Jan 20 10:00 UTC")
    subscriptions := []licenseutils.LicenseDisplay{
        {
            Num:  2,
            Owner: "owner2",
            Subscription: model.Subscription{
                ID:    "id2",
                Name:  "name2",
                ProductID: "productid2",
                Expires: &expiration,
                PricingComponents: model.PricingComponents{
                    &model.SubscriptionPricingComponent{
                        Name:  "nodes",
                        Value: 20,
                    },
                },
                ComponentsString: "compstring",
            },
        },
    }
    out := &bytes.Buffer{
    }
    testcase.context.Output = out
    err := SubscriptionsWrite(testcase.context, subscriptions)
    if err != nil {
        assert.Error(t, err, testcase.expected)
    } else {
        assert.Check(t, is.Equal(testcase.expected, out.String()))
    }
}
ComponentsString: "compstring",
},

{ Nu 2,
Owner: "owner2",
Subscription: model.Subscription{
ID: "id2",
Name: "name2",
ProductID: "productid2",
Expires: &expiration,
PricingComponents: model.PricingComponents{
&model.SubscriptionPricingComponent{
Name: "nodes",
Value: 20,

},
}
},

ComponentsString: "compstring",
}

expectedJSONs := []map[string]interface{}
{

"Owner":   "owner1",
"ComponentsString": "compstring",
"Expires": "2020-01-01T10:00:00Z",
"DockerID": "",
"Eusa": nil,
"ID": "id1",
"Start": nil,
"Name": "name1",
"Num": float64(1),
"PricingComponents": []interface{}{
map[string]interface{}
"name": "nodes",
"value": float64(10),

},

"ProductID": "productid1",
"ProductRatePlan": "",
"ProductRatePlanID": "",
"State": "",
"Summary": "License Name: name1\nQuantity: 10 nodes\nExpiration date: 2020-01-01",
},

"Owner": "owner2",
"ComponentsString": "compstring",
"Expires": "2020-01-01T10:00:00Z",
"DockerID": ""
"Eusa": nil,
"ID": "id2",
"Start": nil,
"Name": "name2",
"Num": float64(2),
"PricingComponents": []interface{}{
  map[string]interface{}{
    "name": "nodes",
    "value": float64(20),
  },
},
"ProductID": "productid2",
"ProductRatePlan": "",
"ProductRatePlanID": "",
"State": "",
"Summary": "License Name: name2\nQuantity: 20 nodes\nExpiration date: 2020-01-01",
},
}

out := &bytes.Buffer{
err := SubscriptionsWrite(formatter.Context{Format: "{{json .}}", Output: out}, subscriptions)
if err != nil {
t.Fatal(err)
}
for i, line := range strings.Split(strings.TrimSpace(out.String()), "\n") {
  var m map[string]interface{}
  if err := json.Unmarshal([]byte(line), &m); err != nil {
t.Fatal(err)
  }
  assert.Check(t, is.DeepEqual(expectedJSONs[i], m))
}
}

func TestSubscriptionContextWriteJSONField(t *testing.T) {
subscriptions := []licenseutils.LicenseDisplay{
  {Num: 1, Owner: "owner1"},
  {Num: 2, Owner: "owner2"},
}
out := &bytes.Buffer{
if err != nil {
t.Fatal(err)
}
for i, line := range strings.Split(strings.TrimSpace(out.String()), "\n") {
  var s string
  if err := json.Unmarshal([]byte(line), &s); err != nil {
t.Fatal(err)
  }
  s = strings.ToUpper(s)
  assert.Check(t, s == expectedJSONs[i])
}
}

func TestSubscriptionContextWriteJSONField(t *testing.T) {
subscriptions := []licenseutils.LicenseDisplay{
  {Num: 1, Owner: "owner1"},
  {Num: 2, Owner: "owner2"},
}
out := &bytes.Buffer{
if err != nil {
t.Fatal(err)
}
for i, line := range strings.Split(strings.TrimSpace(out.String()), "\n") {
  var s string
  if err := json.Unmarshal([]byte(line), &s); err != nil {
t.Fatal(err)
  }
  s = strings.ToUpper(s)
  assert.Check(t, s == expectedJSONs[i])
}
assert.Check(t, is.Equal(subscriptions[i].Owner, s))
}
}
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Data model artifacts for Prometheus.

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package licensing

import (  "context"  "crypto/hmac"  "crypto/sha256"  "encoding/base64"  "encoding/json"  "fmt"  "time"  
"github.com/docker/libtrust"  "github.com/docker/licensing/lib/errors"  "github.com/docker/licensing/lib/go-clientlib"  "github.com/docker/licensing/model"
func (c *client) getLicenseFile(ctx context.Context, subID string) (*model.IssuedLicense, error) {
    url := c.baseURI
    url.Path += fmt.Sprintf("/api/billing/v4/subscriptions/%s/license-file", subID)

    license := new(model.IssuedLicense)
    if _, _, err := c.doReq(ctx, "GET", &url, clientlib.RecvJSON(license)); err != nil {
        return nil, err
    }

    return license, nil
}

// Check verifies that the license identified by the given key id is valid. Note that it does not
// interrogate the contents of the license.
func (c *client) check(ctx context.Context, license model.IssuedLicense) (*model.CheckResponse, error) {
    keyID := license.KeyID
    privateKey := license.PrivateKey

    authorization, err := c.getAuthorization(ctx, license)
    if err != nil {
        return nil, err
    }

    // TODO: Mason - replace this parseJWS with a non libtrust lib
    signature, err := libtrust.ParseJWS(authorization)
    if err != nil {
        return nil, errors.Wrapf(err, errors.Fields{
            "key_id": keyID,
        }, "license parse JWS failed")
    }

    keys, err := signature.Verify()
    if err != nil {
        return nil, errors.Wrapf(err, errors.Fields{
            "key_id": keyID,
        }, "license signature verification failed")
    }

    keyCnt := len(keys)
    if keyCnt != 1 {
        err = fmt.Errorf("unexpected number of signing keys (%d)", keyCnt)
        return nil, errors.WithStack(err).With(errors.Fields{
            "key_id": keyID,
        })
    }
}
key := keys[0]

if !c.recognizedSigningKey(key) {
    return nil, errors.New("unrecognized signing key")
}

payload, err := signature.Payload()
if err != nil {
    return nil, errors.Wrap(err, errors.Fields{
        "key_id": keyID,
    }, "malformed signature payload")
}

checkRes := new(model.CheckResponse)

err = json.Unmarshal(payload, &checkRes)
if err != nil {
    return nil, errors.Wrap(err, errors.Fields{
        "key_id": keyID,
    }, "license payload unmarshal failed")
}

msg := checkRes.Expiration.Format(time.RFC3339)
if err := checkToken(msg, checkRes.Token, privateKey); err != nil {
    return nil, errors.Wrap(err, errors.Fields{
        "key_id": keyID,
    })
}

return checkRes, nil

// recognizedSigningKey returns true if the given key is signed with a recognized signing key, false otherwise
func (c *client) recognizedSigningKey(key libtrust.PublicKey) bool {
    for _, publicKey := range c.publicKeys {
        if key.KeyID() == publicKey.KeyID() {
            return true
        }
    }
    return false
}

// getAuthorization returns the decoded license authorization
func (c *client) getAuthorization(ctx context.Context, license model.IssuedLicense) ([]byte, error) {
    decoded, err := base64.StdEncoding.DecodeString(license.Authorization)
    if err != nil {
        return nil, errors.Wrap(err, errors.Fields{
            "key_id": license.KeyID,
        })
    }
    return decoded, nil
}
// All of the functions in this file assume that they are receiving a properly
// formatted private key.

// checkToken performs a MAC algorithm (where token is generated by hashing the
// message with the privateKey via GenerateToken) with the purpose of authenticating
// the validity of both the message and the private key of the person who generated
// the token.

func checkToken(message, token, privateKey string) error {
    tokenBytes, err := base64.URLEncoding.DecodeString(token)
    if err != nil {
        return errors.Wrap(err, errors.Fields{"token": token})
    }

    generatedToken, err := generateToken(message, privateKey)
    if err != nil {
        return errors.Wrap(err, errors.Fields{"token": token})
    }

    generatedBytes, err := base64.URLEncoding.DecodeString(generatedToken)
    if err != nil {
        return errors.Wrap(err, errors.Fields{"token": token})
    }

    if !hmac.Equal(tokenBytes, generatedBytes) {
        return errors.Forbidden(errors.Fields{"token": token}, "invalid token")
    }

    return nil
}

// generateToken generates a hash of the message with the privateKey via the
// sha256 algorithm.

func generateToken(message, privateKey string) (string, error) {
    key, err := base64.URLEncoding.DecodeString(privateKey)
    if err != nil {
        return "", errors.Wrap(err, errors.Fields{"msg": message})
    }

    h := hmac.New(sha256.New, key)
    h.Write([]byte(message))
    return base64.URLEncoding.EncodeToString(h.Sum(nil)), nil
}
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package model

import "time"

// A CheckResponse is the internal content of the PublicCheckResponse signed
// json blob.

type CheckResponse struct {
    Expiration time.Time `json:"expiration"
    Token string `json:"token"`
MaxEngines int `json:"maxEngines"
ScanningEnabled bool `json:"scanningEnabled"
Type string `json:"licenseType"
Tier string `json:"tier"

// IssuedLicense represents an issued license
type IssuedLicense struct {
    KeyID string `json:"key_id"
    PrivateKey string `json:"private_key"
    Authorization string `json:"authorization"
}

// Valid returns true if the License is syntactically valid, false otherwise
func (l *IssuedLicense) Valid() (bool, string) {
    if l.KeyID == "" {
        return false, "empty key_id"
    }

    if l.PrivateKey == "" {
        return false, "empty private_key"
    }

    if l.Authorization == "" {
        return false, "empty authorization"
    }

    return true, ""
}

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package engine

import (
  "time"
  "github.com/docker/cli/cli/command/formatter"
  "github.com/docker/cli/internal/licenseutils"
  "github.com/docker/licensing/model"
)

cost (   
  defaultSubscriptionsTableFormat = "table
{ {.Num}} {{.Owner}} {{.ProductID}} {{.Expires}} {{.ComponentsString}}"
  defaultSubscriptionsQuietFormat = "{{.Num}}:{{.Summary}}"
  numHeader = "NUM"
ownerHeader = "OWNER"
licenseNameHeader = "NAME"
idHeader = "ID"
dockerIDHeader = "DOCKER ID"
productIDHeader = "PRODUCT ID"
productRatePlanHeader = "PRODUCT RATE PLAN"
productRatePlanIDHeader = "PRODUCT RATE PLAN ID"
startHeader = "START"
expiresHeader = "EXPIRES"
stateHeader = "STATE"
eusaHeader = "EUSA"
pricingComponentsHeader = "PRICING COMPONENTS"

// NewSubscriptionsFormat returns a Format for rendering using a license Context
func NewSubscriptionsFormat(source string, quiet bool) formatter.Format {
    switch source {
    case formatter.TableFormatKey:
        if quiet {
            return defaultSubscriptionsQuietFormat
        }
        return defaultSubscriptionsTableFormat
    case formatter.RawFormatKey:
        if quiet {
            return `license: {{.ID}}`
        }
        return `license: {{.ID}}
name: {{.Name}}
owner: {{.Owner}}
components: {{.ComponentsString}}
`
    }
    return formatter.Format(source)
}

// SubscriptionsWrite writes the context
func SubscriptionsWrite(ctx formatter.Context, subs []licenseutils.LicenseDisplay) error {
    render := func(format func(subContext formatter.SubContext) error) error {
        for _, sub := range subs {
            licenseCtx := &licenseContext{trunc: ctx.Trunc, l: sub}
            if err := format(licenseCtx); err != nil {
                return err
            }
        }
        return nil
    }
    licenseCtx := licenseContext{
        Header = map[string]string{
            "Num": numHeader,
            "Owner": ownerHeader,
            "Name": licenseNameHeader,
            "ID": idHeader,
        }
    }
    // Other code...
}
"DockerID":   dockerIDHeader,
"ProductID":  productIDHeader,
"ProductRatePlan":  productRatePlanHeader,
"ProductRatePlanID":  productRatePlanIDHeader,
"Start":      startHeader,
"Expires":    expiresHeader,
"State":      stateHeader,
"Eusa":       eusaHeader,
"ComponentsString":  pricingComponentsHeader,
}
return ctx.Write(&licenseCtx, render)
}

type licenseContext struct {
formatter.HeaderContext
trunc bool
l   licenseutils.LicenseDisplay
}

func (c *licenseContext) MarshalJSON() ([]byte, error) {
return formatter.MarshalJSON(c)
}

func (c *licenseContext) Num() int {
return c.l.Num
}

func (c *licenseContext) Owner() string {
return c.l.Owner
}

func (c *licenseContext) ComponentsString() string {
return c.l.ComponentsString
}

func (c *licenseContext) Summary() string {
return c.l.String()
}

func (c *licenseContext) Name() string {
return c.l.Name
}

func (c *licenseContext) ID() string {
return c.l.ID
}

func (c *licenseContext) DockerID() string {
return c.l.DockerID
}

func (c *licenseContext) ProductID() string {
return c.l.ProductID
}

func (c *licenseContext) ProductRatePlan() string {
return c.l.ProductRatePlan
}

func (c *licenseContext) ProductRatePlanID() string {
return c.l.ProductRatePlanID
}

func (c *licenseContext) Start() *time.Time {
return c.l.Start
}

func (c *licenseContext) Expires() *time.Time {
return c.l.Expires
}

func (c *licenseContext) State() string {
return c.l.State
}

func (c *licenseContext) Eusa() *model.EusaState {
return c.l.Eusa
}

func (c *licenseContext) PricingComponents() []model.SubscriptionPricingComponent {
// Dereference the pricing component pointers in the pricing components
// so it can be rendered properly with the template formatter

var ret []model.SubscriptionPricingComponent
for _, spc := range c.l.PricingComponents {
    if spc == nil {
        continue
    }
    ret = append(ret, *spc)
}
return ret
}

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1.4842 ip-regex 4.3.0

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      * 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>
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      * 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.

* Marc Schlaich <marc.schlaich@gmail.com>
* Various bugfixes and test improvements.

* Bryce Boe <bbzbryce@gmail.com>
* Correct six.moves conflict
* Fixed pickle support of some exceptions

* Boris Figovsky <boris.figovsky@ravellosystems.com>
* Allowed to skip SSL hostname verification

* Cory Benfield <http://lukasa.co.uk/about/>
* Stream method for Response objects.
* Return native strings in header values.
* Generate 'Host' header when using proxies.

* Jason Robinson <jaywink@basshero.org>
* Add missing WrappedSocket.fileno method in PyOpenSSL

* Audrius Butkevicius <audrius.butkevicius@elastichosts.com>
* Fixed a race condition

* Stanislav Vitkovskiy <stas.vitkovsky@gmail.com>
* Added HTTPS (CONNECT) proxy support

* Stephen Holsapple <sholsapp@gmail.com>
* Added abstraction for granular control of request fields

* Martin von Gagern <Martin.vGagern@gmx.net>
* Support for non-ASCII header parameters

* Kevin Burke <kev@inburke.com> and Pavel Kirichenko <juanych@yandex-team.ru>
  * Support for separate connect and request timeouts

* Peter Waller <p@pwaller.net>
  * HTTPResponse.tell() for determining amount received over the wire

* Nipunn Koorapati <nipunn1313@gmail.com>
  * Ignore default ports when comparing hosts for equality

* Danilo dbrgn <http://dbrgn.ch/>
  * Disabled TLS compression by default on Python 3.2+
  * Disabled TLS compression in pyopenssl contrib module
  * Configurable cipher suites in pyopenssl contrib module

* Roman Bogorodskiy <roman.bogorodskiy@ericsson.com>
  * Account retries on proxy errors

* Nicolas Delaby <nicolas.delaby@ezeep.com>
  * Use the platform-specific CA certificate locations

* Josh Schneier <https://github.com/jschneier>
  * HTTPHeaderDict and associated tests and docs
  * Bugfixes, docs, test coverage

* Tahia Khan <http://tahia.tk/>
  * Added Timeout examples in docs

* Arthur Grunseid <http://grunseid.com>
  * source_address support and tests (with https://github.com/bui)

* Ian Cordasco <graffatcolmingov@gmail.com>
  * PEP8 Compliance and Linting
  * Add ability to pass socket options to an HTTP Connection

* Erik Tollerud <erik.tollerud@gmail.com>
  * Support for standard library io module.

* Krishna Prasad <kprasad.iitd@gmail.com>
  * Google App Engine documentation

* Aaron Meurer <asmeurer@gmail.com>
  * Added Url.url, which unparses a Url

* Evgeny Kapun <abacabadabacaba@gmail.com>
  * Bugfixes
* Benjamen Meyer <bm_witness@yahoo.com>
  * Security Warning Documentation update for proper capture

* Shivan Sornarajah <github@sornars.com>
  * Support for using ConnectionPool and PoolManager as context managers.

* Alex Gaynor <alex.gaynor@gmail.com>
  * Updates to the default SSL configuration

* [Your name or handle] <[email or website]>
  * [Brief summary of your changes]
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    Upstream-Contact: Lloyd Hilaiel <me@lloyd.io>
    Source: http://lloyd.github.com/yajl/

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import (
    "testing"

    "github.com/stretchr/testify/assert"

    "github.com/elastic/beats/libbeat/beat"
    "github.com/elastic/beats/libbeat/logp"
    "github.com/elastic/beats/x-pack/libbeat/licenser"
)

type dummySyncClient struct{ EventCount int }

func (dsc *dummySyncClient) Publish(event beat.Event) error {
    dsc.EventCount++
    return nil
}

func (dsc *dummySyncClient) PublishAll(events []beat.Event) error {
    dsc.EventCount += len(events)
    return nil
}

func (dsc *dummySyncClient) Close() error {
    return nil
}

func (dsc *dummySyncClient) Wait() {}

func TestLicenseAwareClient(t *testing.T) {
    t.Run("publish single event", func(t *testing.T) {
        testPublish(t, func(lac *LicenseAwareClient) (int, error) {
            return 1, lac.Publish(beat.Event{})
        })
    })

    t.Run("publish multiple events", func(t *testing.T) {
        testPublish(t, func(lac *LicenseAwareClient) (int, error) {
        })
    })
}

func testPublish(t *testing.T, publish func(lac *LicenseAwareClient) (int, error)) {
    // Create strict license check.
    allowBasic := func(log *logp.Logger, l licenser.License) bool {
        return l.Is(licenser.Basic)
    }
}
allowPlatinum := func(log *logp.Logger, l licenser.License) bool {
    return l.Is(licenser.Platinum)
}

t.Run("when license is valid first check", func(t *testing.T) {
    license := licenser.License{Mode: licenser.Basic}
    client := &dummySyncClient{}
    lac := NewLicenseAwareClient(client, allowBasic, allowPlatinum)
    defer lac.Close()
    lac.OnNewLicense(license)
    count, err := publish(lac)
    if !assert.NoError(t, err) {
        return
    }
    assert.Equal(t, count, client.EventCount)
})

t.Run("when license is valid second check", func(t *testing.T) {
    license := licenser.License{Mode: licenser.Platinum}
    client := &dummySyncClient{}
    lac := NewLicenseAwareClient(client, allowBasic, allowPlatinum)
    defer lac.Close()
    lac.OnNewLicense(license)
    count, err := publish(lac)
    if !assert.NoError(t, err) {
        return
    }
    assert.Equal(t, count, client.EventCount)
})

t.Run("when license is not valid", func(t *testing.T) {
    license := licenser.License{Mode: licenser.Gold}
    client := &dummySyncClient{}
    lac := NewLicenseAwareClient(client, allowBasic, allowPlatinum)
    defer lac.Close()
    lac.OnNewLicense(license)
    _, err := publish(lac)
    if assert.Error(t, err, errInvalidLicense) {
        return
    }
    assert.Equal(t, 0, client.EventCount)
})

t.Run("license is invalid by default", func(t *testing.T) {
    client := &dummySyncClient{}
    lac := NewLicenseAwareClient(client, allowBasic, allowPlatinum)
    defer lac.Close()
    _, err := publish(lac)
if assert.Error(t, err, errInvalidLicense) {
    return
}
assert.Equal(t, 0, client.EventCount)
}
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package core

import (  "errors"
}
var errInvalidLicense = errors.New("invalid license detected, cannot publish events")

// LicenseAwareClient is a client that enforce a specific license, the type implements the
// `License.Watcher` interface and will need to be registered to the license manager.
// The client instance will listen to license change and make sure that the required licenses
// match the current license.

// NewLicenseAwareClient returns a new license aware client.
func NewLicenseAwareClient(
    client Client,
    checks ...licenser.CheckFunc,
) *LicenseAwareClient {
}

// OnNewLicense receives a callback by the license manager when new license is available and control
// if we can send events to the client or not.
func (lac *LicenseAwareClient) OnNewLicense(license licenser.License) {
    valid := licenser.Validate(lac.log, license, lac.checks...)
    lac.valid.Swap(valid)
}

// OnManagerStopped receives a callback from the license manager when the manager is stopped.
func (lac *LicenseAwareClient) OnManagerStopped() {
    // NOOP but need to be implemented for the watcher interface.
}

// PublishAll check if the license allow us to send events.
func (lac *LicenseAwareClient) PublishAll(events []beat.Event) error {
    if lac.valid.Load() {
        return lac.client.PublishAll(events)
    }
    return errInvalidLicense
}
// Publish check if the license allow us to send events.
func (lac *LicenseAwareClient) Publish(event beat.Event) error {
    if lac.valid.Load() {
        return lac.client.Publish(event)
    }
    return errInvalidLicense
}

// Wait proxy the Wait() call to the original client.
func (lac *LicenseAwareClient) Wait() {
    lac.client.Wait()
}

// Close proxy the Close() call to the original client.
func (lac *LicenseAwareClient) Close() error {
    return lac.client.Close()
}

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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// Code generated by beats/dev-tools/cmd/license/license_generate.go - DO NOT EDIT.

package licenses

import "fmt"

var ASL2 = `// Licensed to Elasticsearch B.V. under one or more contributor
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var Elastic = `// Copyright Elasticsearch B.V. and/or licensed to Elasticsearch B.V. under one
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`

func Find(name string) (string, error) {
    switch name {
    case "ASL2":
        return ASL2, nil
    case "Elastic":
        return Elastic, nil
    }
    return "", fmt.Errorf("unknown license: %s", name)
}

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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
}

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
}

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mgo - MongoDB driver for Go

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BSON library for Go

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Revision: 2d482ef09017ae953b1e8d5a6ddac5b696663a3c
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Version: v2.0.0-preview.5
Revision: d52522b5f4b95591ff6528d7c54923951aadf099
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Revision: e6a2ba005892b6a5b27cb5352f64e2e96942dd28
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/vendor/metricbeat/module/kvm/vendor/github.com/davecgh/go-xdr/LICENSE:

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Version: =v1.0.0/in-cluster-ipv6
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Version: v1.4.1
Revision: 72cd26f257d44c1114970e19aafedc1d2016007e
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Version: 3.1.1
Revision: 47cd1dca1a6e7f807d5a492bd7e7f41d085b5a1
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Revision: 09cde8978dec9e80714c4d85b03223370a1e5e0
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Version: kubernetes-1.11.1
Revision: 103fd098999dc9c0c88536f5c9ad2e5da39373ae
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Dependency: github.com/shirou/gopsutil
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Revision: 0f70a4a06f7a1039305ec9b3ba9c2800f892fba
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Dependency: github.com/vmware/govmomi
Revision: 2cad15190b417804d82edf98b1e7b3e62907e4ee
License type (autodetected): Apache-2.0
/metricbeat/module/vsphere/vendor/github.com/vmware/govmomi/LICENSE.txt:

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Dependency: github.com/vmware/govmomi/vim25/xml
Revision: 2cad15190b417804d82edf98b1e7b3e62907e4ee
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mgo - MongoDB driver for Go

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package licenser

import (
  "testing"
  "time"

  "github.com/stretchr/testify/assert"
)

func TestLicenseGet(t *testing.T) { 

tests := []struct {
    name string
    t   LicenseType
}
{
    name: "Basic",
    t:   Basic,
},
{
    name: "Platinum",
    t:   Platinum,
}

for _, test := range tests {
    t.Run(test.name, func(t *testing.T) {
        l := License{Mode: test.t}
        assert.Equal(t, test.t, l.Get())
    })
}

func TestLicenseIs(t *testing.T) {
    tests := []struct {
        name     string
        t        LicenseType
        query    LicenseType
        expected bool
    }
    {
        name: "Basic and asking for Basic",
        t:   Basic,
        query: Basic,
        expected: true,
    },
    {
        name: "Platinum and asking for Basic",
        t:   Platinum,
        query: Basic,
        expected: true,
    },
    {
        name: "Basic and asking for Platinum",
        t:   Basic,
        query: Platinum,
        expected: false,
    }
}
func TestLicenseIsStrict(t *testing.T) {
    tests := []struct {
        name     string
        t        LicenseType
        query    LicenseType
        expected bool
    }{
        {
            name:     "Basic and asking for Basic",
            t:        Basic,
            query:    Basic,
            expected: true,
        },
        {
            name:     "Platinum and asking for Basic",
            t:        Platinum,
            query:    Basic,
            expected: false,
        },
        {
            name:     "Basic and asking for Platinum",
            t:        Basic,
            query:    Platinum,
            expected: false,
        },
        {
            name:     "Gold and asking for Gold",
            t:        Gold,
            query:    Gold,
            expected: true,
        },
    }
    for _, test := range tests {
        t.Run(test.name, func(t *testing.T) {
            l := License{Mode: test.t}
            assert.Equal(t, test.expected, l.Cover(test.query))
        })
    }
}
for _, test := range tests {
    t.Run(test.name, func(t *testing.T) {
        l := License{Mode: test.t}
        assert.Equal(t, test.expected, l.Is(test.query))
    })
}

func TestIsActive(t *testing.T) {
    tests := []struct {
        name     string
        l        License
        expected bool
    }{
        name: "active",
        l:   License{Status: Active},
        expected: true,
    },
    name: "inactive",
    l:   License{Status: Inactive},
    expected: false,
}

for _, test := range tests {
    t.Run(test.name, func(t *testing.T) {
        assert.Equal(t, test.expected, test.l.IsActive())
    })
}

func TestIsTrial(t *testing.T) {
    tests := []struct {
        name     string
        l        License
        expected bool
    }{
        name: "is a trial license",
        l:   License{Mode: Trial},
        expected: true,
    },
    name: "is not a trial license",
    l:   License{Mode: Basic},
    expected: false,
func TestIsTrialExpired(t *testing.T) {
    tests := []struct {
        name     string
        l        License
        expected bool
    }{
        name: "trial is expired",
        l: License{Mode: Trial, TrialExpiry: expiryTime(time.Now().Add(-2 * time.Hour))},
        expected: true,
    },
    name: "trial is not expired",
    l: License{Mode: Trial, TrialExpiry: expiryTime(time.Now().Add(2 * time.Minute))},
    expected: false,
    },
    name: "license is not on trial",
    l: License{Mode: Basic, TrialExpiry: expiryTime(time.Now().Add(2 * time.Minute))},
    expected: false,
    }
}

for _, test := range tests {
    t.Run(test.name, func(t *testing.T) {
        assert.Equal(t, test.expected, test.l.IsTrialExpired())
    })
}

procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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// or more contributor license agreements. Licensed under the Elastic License;
package licenser

import (
    "time"
)

// License represents the license of this beat, the license is fetched and returned from
// the elasticsearch cluster.
// The x-pack endpoint returns the following JSON response.

// "license": {
//   "uid": "936183d8-f48c-4a3f-959a-a52aa2563279",
//   "type": "platinum",
//   "mode": "platinum",
//   "status": "active"
// },

// Definition:
// type is the installed license.
// mode is the license in operation. (effective license)
// status is the type installed is active or not.
type License struct {
    UUID          string     `json:"uid"`
    Type          LicenseType `json:"type"`
    Mode          LicenseType `json:"mode"`
    Status        State      `json:"status"`
    Features      features   `json:"features"`
    TrialExpiry   expiryTime `json:"expiry_date_in_millis,omitempty"`
}

// Features defines the list of features exposed by the elasticsearch cluster.
type features struct {
    Graph          graph     `json:"graph"`
    Logstash       logstash  `json:"logstash"`
    ML             ml        `json:"ml"`
    Monitoring     monitoring `json:"monitoring"`
    Rollup         rollup    `json:"rollup"`
    Security       security  `json:"security"`
    Watcher        watcher   `json:"watcher"`
}

type expiryTime time.Time

// Base define the field common for every feature.
type Base struct {
// Defines all the available features

type graph struct{ *Base }
type logstash struct{ *Base }
type ml struct{ *Base }
type monitoring struct{ *Base }
type rollup struct{ *Base }
type security struct{ *Base }
type watcher struct{ *Base }

// Get return the current license
func (l *License) Get() LicenseType {
    return l.Mode
}

// Cover returns true if the provided license is included in the range of license.
//
// Basic -> match basic, gold and platinum
// gold -> match gold and platinum
// platinum -> match platinum only
func (l *License) Cover(license LicenseType) bool {
    if l.Mode >= license {
        return true
    }
    return false
}

// Is returns true if the provided license is an exact match.
func (l *License) Is(license LicenseType) bool {
    return l.Mode == license
}

// IsActive returns true if the current license from the server is active.
func (l *License) IsActive() bool {
    return l.Status == Active
}

// IsTrial returns true if the remote cluster is in trial mode.
func (l *License) IsTrial() bool {
    return l.Mode == Trial
}

// IsTrialExpired returns false if the we are not in trial mode and when we are in trial mode
// we check for the expiry data.
func (l *License) IsTrialExpired() bool {


if !l.IsTrial() {
    return false
}

if time.Time(l.TrialExpiry).Sub(time.Now()) > 0 {
    return false
}

return true

// EqualTo returns true if the two license are the same, we compare license to reduce the number
// message send to the watchers.
func (l *License) EqualTo(other *License) bool {
    return l.UUID == other.UUID &&
    l.Type == other.Type &&
    l.Mode == other.Mode &&
    l.Status == other.Status
}

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