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1.9 groupcache v0.0.0-20191227052852-215e87163ea7

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1.10 x-oauth2 v0.0.0-20200107190931-bf48bf16ab8d

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1.11 grpc-go v1.26.0

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1.12 x-text v0.3.2

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1.13 x-time-rate v0.0.0-20190308202827-9d24e82272b4

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1.14 jwt-go v4.0.0-preview1

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1.15 google-go-cmp v0.4.0

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1.16 gogo-protobuf v1.3.1

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Protocol Buffers for Go with Gadgets

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1.17 mattn-go-isatty v0.0.4

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1.19 cespare-xxhash v1.1.0

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1.20 x-sync v0.0.0-20190911185100-cd5d95a43a6e

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1.21 google-api-go-client v0.15.0

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```
import (  
    "bytes"  
    "io/ioutil"  
    "os"  
    "path/filepath"  
    "regexp"  
    "testing"  
)  
  
// Files in this package use a BSD-style license.  
var sentinel = regexp.MustCompile(`(//|#) Copyright \d\d\d\d (Google LLC|The Go Authors)(\.)*( All rights  
reserved\.)*  
(//|#) Use of this source code is governed by a BSD-style  
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`)  
  
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)
}
}
```

1.22 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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1.23 philhofer-fwd v1.0.0

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1.24 pq v1.0.0

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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}
}

```

1.25 gofrs-uuid v3.3.0+incompatible

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1.26 go-immutable-radix v0.0.0-20180129170900-7f3cd4390caa

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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,

        // From https://github.com/golang/pkgsite.
        "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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1.44 jsternberg-zap-logfmt v1.0.0

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1.45 go-unsnap-stream v0.0.0-20180323001048-9f0cb55181dd

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1.47 x-sys v0.0.0-20200107162124-548cf772de50

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1.48 google-golang-org-genproto v0.0.0-20200108215221-bd8f9a0ef82f

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1.56 go-bigtable v1.2.0

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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/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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1.57 golang 1.12.9

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1.64 influxdb v1.8.6-0.20210519210507-a7c879409d72

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- * /influxdb-1-8-6-linux-amd64-tar-gz/influxdb-1.8.6-1/usr/share/man/man1/influxd-run-1-gz/influxd-run.1

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* /influxdb-1-8-6-linux-amd64-tar-gz/influxdb-1.8.6-1/usr/share/man/man1/influxd-version-1-gz/influxd-version.1
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*
/influxdb-1-8-6-linux-amd64-tar-gz/influxdb-1.8.6-1/usr/share/man/man1/influxd-1-gz/influxd.1
```

1.65 apache-arrow-go-arrow v0.0.0-

20191024131854-af6fa24be0db

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You can contact the author at :

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- * Continuum Analytics

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1.67 kafka-go v0.2.0

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1.69 influxdata-flux v0.65.1

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1.71 dgryski-go-bitstream v0.0.0- 20180413035011-3522498ce2c8

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1.74 gopsutil v3.21.4

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1.75 prometheus v2.27.1

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go-zookeeper - Native ZooKeeper client for Go

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goproperties - properties file decoder for Go

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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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```

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import (

"github.com/vmware/govmomi/object"

"github.com/vmware/govmomi/vim25/methods"

"github.com/vmware/govmomi/vim25/mo"

"github.com/vmware/govmomi/vim25/soap"

"github.com/vmware/govmomi/vim25/types"

)

// EvalLicense is the default license

```

var EvalLicense = types.LicenseManagerLicenseInfo{
    LicenseKey: "00000-00000-00000-00000-00000",
    EditionKey: "eval",
    Name:      "Evaluation Mode",
    Properties: []types.KeyAnyValue{
        {
            Key: "feature",
            Value: types.KeyValue{
                Key: "serialuri:2",
                Value: "Remote virtual Serial Port Concentrator",
            },
        },
        {
            Key: "feature",
            Value: types.KeyValue{
                Key: "dvs",
                Value: "vSphere Distributed Switch",
            },
        },
    },
}

type LicenseManager struct {
    mo.LicenseManager
}

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

    if Map.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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 Name string `json:"name,omitempty"`

 URL string `json:"url,omitempty"`

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package migration

```
import "fmt"
```

```
// Notice is a migration warning
```

```
type Notice struct {
    Plugin    string
    Option    string
    Severity  string // 'deprecated', 'removed', or 'unsupported'
    ReplacedBy string
    Additional string
    Version  string
}
```

```
func (n *Notice) ToString() string {
    s := ""
    if n.Option == "" {
        s += fmt.Sprintf("Plugin \"%v\" ", n.Plugin)
    } else {
        s += fmt.Sprintf("Option \"%v\" in plugin \"%v\" ", n.Option, n.Plugin)
    }
    if n.Severity == unsupported {
        s += "is unsupported by this migration tool in " + n.Version + "."
    } else if n.Severity == newdefault {
        s += "is added as a default in " + n.Version + "."
    } else {
        s += "is " + n.Severity + " in " + n.Version + "."
    }
    if n.ReplacedBy != "" {
```

```

s += fmt.Sprintf(` It is replaced by "%v".`, n.ReplacedBy)
}
if n.Additional != "" {
s += " " + n.Additional
}
return s
}

const (
// The following statuses are used to indicate the state of support/deprecation in a given release.
deprecated = "deprecated" // deprecated,
but still completely functional
ignored    = "ignored"    // if included in the corefile, it will be ignored by CoreDNS
removed    = "removed"    // completely removed from CoreDNS, and would cause CoreDNS to exit if present in
the Corefile
newdefault = "newdefault" // added to the default corefile. CoreDNS may not function properly if it is not present
in the corefile.
unsupported = "unsupported" // the plugin/option is not supported by the migration tool

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

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{% endpanel %}

{% panel style="info", title="TL;DR" %}

- Copy files to and from Containers in a cluster

{% endpanel %}

Copying Container Files

Motivation

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

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

{% panel style="warning", title="Install Tar" %}

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

{% endpanel %}

{% method %}

Local to Remote

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

- Local file format is `<path>`

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

{% sample lang="yaml" %}

```bash

kubectl cp /tmp/foo\_dir <some-pod>:/tmp/bar\_dir

```

```
{% endmethod %}
```

```
{% method %}
```

```
## Remote to Local
```

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

- Local file format is ``<path>``

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

```
{% sample lang="yaml"
```

```
%}
```

```
```bash
```

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

```
```
```

```
{% endmethod %}
```

```
{% method %}
```

```
## Specify the Container
```

Specify the Container within a Pod running multiple containers.

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

```
{% sample lang="yaml" %}
```

```
```bash
```

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

```
```
```

```
{% endmethod %}
```

```
{% method %}
```

```
## Namespaces
```

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

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

```
{% sample lang="yaml" %}
```

```
```bash
```

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

```
```
```

```
{% endmethod %}
```

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# Auto-generated with:
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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  
    }  
    defer resp.Body.Close()  
    licence := &types.Licence{}  
    if err := json.NewDecoder(resp.Body).Decode(&licence); err != nil {  
        return nil, err  
    }  
    return licence, nil  
}  
  
// LicenceApply applies a licence on the server.  
func (c *Client) LicenceApply(licenceKey string) error {  
    _, err := c.do("POST", licenceAPIPrefix, doOptions{  
        data: &types.LicenceKeyContainer{Key: licenceKey},  
    })  
    return err  
}  
  
// LicenceDelete removes the current licence.  
func (c *Client) LicenceDelete() error {  
    resp, err := c.do("DELETE", licenceAPIPrefix, doOptions{})  
    if err != nil {  
        return err  
    }  
    return resp.Body.Close()  
}  
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```

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

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    URL  string `json:"url,omitempty"`
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mgo - MongoDB driver for Go

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{% panel style="success", title="Providing Feedback" %}

****Provide feedback at the [survey](<https://www.surveymonkey.com/r/JH35X82>)****

{% endpanel %}

{% panel style="info", title="TL;DR" %}

- Copy files to and from Containers in a cluster

{% endpanel %}

Copying Container Files

Motivation

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

{% panel style="warning", title="Install Tar" %}

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

{% endpanel %}

{% method %}

Local to Remote

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

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

{% sample lang="yaml" %}

```
```bash
```

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

```
```
```

{% endmethod %}

```
{% method %}  
## Remote to Local
```

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

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

```
{% sample lang="yaml"  
%}
```

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

```
{% endmethod %}
```

```
{% method %}  
## Specify the Container
```

Specify the Container within a Pod running multiple containers.

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

```
{% sample lang="yaml" %}
```

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

```
{% endmethod %}
```

```
{% method %}  
## Namespaces
```

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

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

```
{% sample lang="yaml" %}
```

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

```
{% endmethod %}
```

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

HISTORY -

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

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

Some other contributors:

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

The SPARC specific code was originally contributed by Mark Weiser.

The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM.

Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood.

Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code.

Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?)) and

Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.

Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.

Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader

specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes.

Alistair G. Crooks(agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports.

Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.

Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to a Motorola 88K processor running CX/UX (Harris NightHawk).

Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to nonIBM development environments (a nontrivial task).

Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.

David Chase, then at Olivetti Research, suggested several improvements.

Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the

code to save and print call stacks for leak detection on a SPARC.
Jesse Hull and John Ellis supplied the C++ interface code.
Zhong Shao performed much of the
experimentation that led to the
current typed allocation facility. (His dynamic type inference code hasn't
made it into the released version of the collector, yet.)
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* m4/ax_func_which_gethostbyname_r.m4

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Version 3, 29 June 2007

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1) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (a) uses at run time a copy of the Library already present on the user's computer system, and (b) will operate properly with a modified version of the Library that is interface-compatible with the Linked Version.

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Program	Directory
-----	-----
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@appendixsec GNU LESSER GENERAL PUBLIC LICENSE

@cindex LGPL, Lesser General Public License

@center Version 2.1, February 1999

@display

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@appendixsubsec Preamble

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

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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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@iftex

@appendixsubsec TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

@end iftex

@ifinfo

@center GNU LESSER GENERAL PUBLIC LICENSE

@center TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

@end ifinfo

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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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therefore falls outside the scope of this License.

However,

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

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work.

(Executables containing this object code plus portions of the Library will still fall under Section 6.)

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@item

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

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

@item

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

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

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@iftex

@heading END OF TERMS AND CONDITIONS

@end iftex

@ifinfo

@center END OF TERMS AND CONDITIONS

@end ifinfo

@page

@appendixsubsec How to Apply These Terms to Your New Libraries

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

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

@smallexample

@var{one line to give the library's name and an idea of what it does.}

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@end smallexample

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:

@smallexample

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

@var{signature of Ty Coon}, 1 April 1990

Ty Coon, President of Vice

@end smallexample

That's all there is to it!

@ignore

@c Set file name and title for man page.

@setfilename gfdl

@settitle GNU Free Documentation License

@c man begin SEEALSO

gpl(7), fsf-funding(7).

@c man end

@c man begin COPYRIGHT

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@uref{http://fsf.org/}

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of this license document, but changing it is not allowed.

@c This file is intended to be included within another document,

@c hence no sectioning command or @node.

@c man end

@end ignore

@c Special handling for inclusion in the install manual.

@ifset gfdlhtml

@ifnohtml

@comment node-name, next, previous, up

@node GNU Free Documentation License, Concept Index, Old, Top

@end ifnohtml

@html

<h1 align="center">Installing GCC: GNU Free Documentation License</h1>

@end html

@ifnohtml

@unnumbered GNU Free Documentation License

@end ifnohtml

@end ifset
@c man begin DESCRIPTION
@ifclear gfdlhtml
@node GNU Free Documentation License
@unnumbered
GNU Free Documentation License
@end ifclear

@cindex FDL, GNU Free Documentation License
@center Version 1.3, 3 November 2008

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