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- 1.481 tzdata 2022c-r0**
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1.2 go-sockaddr 1.0.2

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1.3 go-humanize v1.0.0

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1.4 iconv 2.30

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1.5 go-sockaddr v1.0.2

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1.12 objx 0.2.0

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1.13 glibc 2.30-r0

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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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@subheading END OF TERMS AND CONDITIONS

@page

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

Ty Coon, President of Vice

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1.15 gorilla 1.4.2

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1.16 go-runewidth 0.0.9

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1.18 go-md2man 2.0.0

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1.19 tre 0.8.0

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1.24 benbjohnson-clock 1.1.0

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1.34 sanitized-anchor-name v1.0.0

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1.37 keyutils 1.6.3-r0

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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

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

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

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

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6.

Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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1.38 robfig-cron 3.0.1

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1.40 gorilla 1.8.0

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zip/go_mod_tidy_hack.go
* /opt/cola/permits/1146907087_1616837576.62/0/github-com-azure-go-autorest-autorest-date-1-zip/date.go
* /opt/cola/permits/1146907087_1616837576.62/0/github-com-azure-go-autorest-autorest-date-1-
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1.43 gomemcache v0.0.0-20190913173617-a41fca850d0b

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1.44 go-md2man v2.0.0

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1.45 gounits v0.4.0

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1.56 clientmodel v0.2.0

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

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

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```

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```
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This is free software, and you are welcome to redistribute it  
under certain conditions; type `show c' for details.
```

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

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1.64 tablewriter 0.0.5

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1.65 keyutils-libs 1.6.3-r0

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 * WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.
 */
# Contributor: Sheila Aman <sheila@vulpine.house>
# Maintainer: Adlie Perl Team <adelie-perl@lists.adelielinux.org>
pkgname=perl-software-license
_pkgreal=Software-License
_author=LEONT
_au=${_author%%"${_author#?}" }
_a=${_author%%"${_author#?}" }
pkgver=0.103014
pkgrel=0
pkgdesc="Perl module for generating prefilled license text"
url="https://metacpan.org/pod/Software::License"
arch="noarch"
license="Artistic-1.0-Perl"
depends="perl perl-data-section perl-text-template perl-try-tiny"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/${_a}/${_au}/${_author}/${_pkgreal}-${pkgver}.tar.gz"
builddir="$srcdir/${_pkgreal}-${pkgver}"

build() {
    PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
    make
}

check() {
    make test
}
```

```

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

sha512sums="8012f9d3e8671bdcba52f6790f6cd2f6a0510883bb40115c222c8c685aed6697ba33b3f9df8d853841cd
2eef0806d919c9038b6ba7b1057f475b3b63457069d
    Software-License-0.103014.tar.gz"
# Maintainer: Adelle Platform Group <adelle-devel@lists.adelinelinux.org>
pkgname=bsd-compat-headers
pkgver=0.7.1
pkgrel=1
pkgdesc="Compatibility files for building BSD software"
url=" "
arch="noarch"
options="!check" # Just header files.
license="BSD-2-Clause AND BSD-3-Clause"
depends=""
makedepends=""
subpackages=""
source="sys-cdefs.h
sys-queue.h
sys-tree.h
"

package() {
    mkdir -p "$pkgdir"
    case "$CLIBC" in
        musl)
            install -D "$srcdir"/sys-cdefs.h "$pkgdir"/usr/include/sys/cdefs.h
            install -D "$srcdir"/sys-queue.h "$pkgdir"/usr/include/sys/queue.h
            install -D "$srcdir"/sys-tree.h "$pkgdir"/usr/include/sys/tree.h
            ;;
        esac
    }

sha512sums="8c3fddd73b696a38e633953715c79c47703739be27ee085fc6c960a57b6746ca05bf6406f7e6126cc1a13
204254fd5830afb566624e1f298f4d6b58216013c28 sys-cdefs.h
2f0d5e6e4dc3350285cf17009265dddcb12431c111868eea39bc8cb038ab7c1f2acacbb21735c4e9d4a1fd106a8fc0f86
11ea33987d4faba37dde5ce6da0750 sys-queue.h
07cb70f2f0ddb31e23dd913c6f561fc9885667c5803fdf3a559676c99d08834b4104589bacb5d17b4a0b379c68c81a1cf
3173832b3da33a7b936fa7b93706844
    sys-tree.h"
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Charlotte, NC 28269
USA

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```
# Contributor: Sheila Aman <sheila@vulpine.house>
# Maintainer: Adlie Perl Team <adelie-perl@lists.adelielinux.org>
pkgname=perl-string-copyright
_pkgreal=String-Copyright
_author=JONASS
_au=${_author%%"${_author#?}" }
_a=${_author%%"${_author#?}" }
pkgver=0.003006
pkgrel=0
pkgdesc="Perl module for normalizing copyright text"
url="https://metacpan.org/pod/String::Copyright"
arch="noarch"
license="GPL-3.0+"
depends="perl perl-exporter-tiny perl-number-range"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/${_a}/${_au}/${_author}/${_pkgreal}-${pkgver}.tar.gz"
buildid="$srcdir/${_pkgreal}-${pkgver}"
```

```
build() {
    PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
    make
}
```

```
check() {
    make test
}
```

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

```
sha512sums="7852d96cbe465dde14b4c093f77374b530967412ef95a98703fe838511e405ea9744e4dbfa314bc5a33fc
23b160d8a4866654ad60da1bfb07853263f1c11cd3f String-Copyright-0.003006.tar.gz"
```

```
# Contributor: Sheila Aman <sheila@vulpine.house>
# Maintainer: Adlie Perl Team <adelie-perl@lists.adelielinux.org>
pkgname=perl-regexp-pattern-license
_pkgreal=Regexp-Pattern-License
_author=JONASS
_au=${_author%%"${_author#?}" }
_a=${_author%%"${_author#?}" }
pkgver=3.4.0
pkgrel=0
pkgdesc="Perl module for regex-matching legal licenses"
```

```

url="https://metacpan.org/pod/Regexp::Pattern::License"
arch="noarch"
license="GPL-3.0+"
depends="perl perl-re-engine-re2 perl-regexp-pattern perl-strictures
perl-test-regexp-pattern perl-try-tiny"
checkdepends="perl-test-requires"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/$_a/$_au/$_author/$_pkgreal-v$pkgver.tar.gz"
builddir="$srcdir/$_pkgreal-v$pkgver"

build() {
    PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
    make
}

check() {
    make test
}

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

sha512sums="5524535f8eebe6cc2ce2065bae1f726b9a2717c34262df2ddd9106464dcfbaeb67eb310679bb636e72866
9f17041e4f101c7fb241a8e07a6cf3dc6fb3ae88e12
    Regexp-Pattern-License-v3.4.0.tar.gz"
# Maintainer:
pkgname=libart-igpl
pkgver=2.3.21
pkgrel=6
pkgdesc="Library for high-performance 2D graphics"
url="https://www.levien.com/libart/"
arch="all"
options="!check" # No test suite.
license="LGPL-2.0+"
depends=""
makedepends=""
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_igpl/2.3/libart_igpl-$pkgver.tar.bz2"
builddir="$srcdir"/libart_igpl-$pkgver

prepare() {
    default_prepare
    update_config_sub
}

```



```
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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1.66 glob v0.2.3

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1.67 redigo v2.0.0+incompatible

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1.68 go-grpc-prometheus v1.2.1-0.20191002090509-6af20e3a5340

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1.69 stack 1.8.0

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1.71 groupcache v0.0.0-20210331224755-41bb18bfe9da

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1.72 vfsgen v0.0.0-20200824052919- 0d455de96546

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1.90 clockwork v0.2.2

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Clockwork - a clock 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 cron replacement. It runs as 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.

Quickstart

Create clock.rb:

```
require 'clockwork'
include Clockwork

handler do |job|
  puts "Running #{job}"
end

every(10.seconds, 'frequent.job')
every(3.minutes, 'less.frequent.job')
every(1.hour, 'hourly.job')

every(1.day, 'midnight.job', :at => '00:00')
```

Run it with the clockwork binary:

```
$ clockwork clock.rb
[2010-05-25 18:16:46 -0700] Starting clock for 4 events: [ frequent.job less.frequent.job hourly.job midnight.job ]
[2010-05-25 18:16:46 -0700] -> frequent.job
```

Use with queueing

The clock process only makes sense as a place to schedule work to be done, not to do the work. It avoids locking by running as a single process, but this makes it impossible to parallelize. For doing the work, you should be using a job queueing system, such as

[Delayed Job](<http://www.therailsway.com/2009/7/22/do-it-later-with-delayed-job>),

[Beanstalk/Stalker](http://adam.heroku.com/past/2010/4/24/beanstalk_a_simple_and_fast_queueing_backend/),

[RabbitMQ/Minion](http://adamblog.heroku.com/past/2009/9/28/background_jobs_with_rabbitmq_and_minion/),

or

[Resque](<http://github.com/blog/542-introducing-resque>). This design allows a simple clock process with no locks, but also offers

near infinite horizontal scalability.

For example, if you're using Beanstalk/Staker:

```
require 'stalker'

handler { |job| Stalker.enqueue(job) }

every(1.hour, 'feeds.refresh')
every(1.day, 'reminders.send', :at => '01:30')
```

Using a queueing system which doesn't require that your full application be loaded is preferable, because the clock 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, and use per-event blocks to call DJ or Resque enqueue methods. For example, with DJ/Rails:

```
require 'config/boot'
require 'config/environment'

every(1.hour, 'feeds.refresh') { Feed.send_later(:refresh) }
every(1.day, 'reminders.send', :at => '01:30') { Reminder.send_later(:send_reminders) }
```

Anatomy of a clock file

clock.rb is standard Ruby. Since we include the Clockwork module (the clockwork binary does this automatically, or you can do it explicitly), this exposes a small DSL ("handler" and "every") to define the handler for events, and then the events themselves.

The handler typically looks like this:

```
handler { |job| enqueue_your_job(job) }
```

This block will be invoked every time an event is triggered, with the job name passed in. In most cases, you should be able to pass the job name directly through to your queueing system.

The second part of the file are the events, which roughly resembles a crontab:

```
every(5.minutes, 'thing.do')
every(1.hour, 'otherthing.do')
```

In the first line of this example, an event will be triggered once every five minutes, passing the job name 'thing.do' into the handler. The handler shown

above would thus call `enqueue_your_job('thing.do')`.

You can also pass a custom block to the handler, for job queueing systems that rely on classes rather than job names (i.e. DJ and Resque). In this case, you need not define a general event handler, and instead provide one with each event:

```
every(5.minutes,
'thing.do') { Thing.send_later(:do) }
```

If you provide a custom handler for the block, the job name is used only for logging.

You can also use blocks to do more complex checks:

```
every(1.day, 'check.leap.year') do
  Stalker.enqueue('leap.year.party') if Time.now.year % 4 == 0
end
```

In production

Only one clock 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:

- * App server 1: 3 web (thin start), 3 workers (rake jobs:work), 1 clock (clockwork clock.rb)
- * App server 2: 3 web (thin start), 3 workers (rake jobs:work)

You should use Monit, God, Upstart, or Inittab to keep your clock process running the same way you keep your web and workers running.

Meta

Created by Adam Wiggins

Inspired by [rufus-scheduler](<http://rufus.rubyforge.org/rufus-scheduler/>) and [http://github.com/bvandenbos/resque-scheduler]([resque-scheduler](http://github.com/bvandenbos/resque-scheduler/))

Design

assistance from Peter van Hardenberg and Matthew Soldo

Patches contributed by Mark McGranaghan

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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
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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
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- lib/gssapi/mechglue/g_acquire_cred.c
- lib/gssapi/mechglue/g_canon_name.c
- lib/gssapi/mechglue/g_compare_name.c
- lib/gssapi/mechglue/g_context_time.c
- lib/gssapi/mechglue/g_delete_sec_context.c
- lib/gssapi/mechglue/g_dsp_name.c
- lib/gssapi/mechglue/g_dsp_status.c
- lib/gssapi/mechglue/g_dup_name.c
- lib/gssapi/mechglue/g_exp_sec_context.c
- lib/gssapi/mechglue/g_export_name.c
- lib/gssapi/mechglue/g_glue.c
- lib/gssapi/mechglue/g_imp_name.c
- lib/gssapi/mechglue/g_imp_sec_context.c
- lib/gssapi/mechglue/g_init_sec_context.c
- lib/gssapi/mechglue/g_initialize.c
- lib/gssapi/mechglue/g_inquire_context.c
- lib/gssapi/mechglue/g_inquire_cred.c
- lib/gssapi/mechglue/g_inquire_names.c
- lib/gssapi/mechglue/g_process_context.c
- lib/gssapi/mechglue/g_rel_buffer.c
- lib/gssapi/mechglue/g_rel_cred.c
- lib/gssapi/mechglue/g_rel_name.c
- lib/gssapi/mechglue/g_rel_oid_set.c
- lib/gssapi/mechglue/g_seal.c
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- lib/gssapi/mechglue/g_store_cred.c
- lib/gssapi/mechglue/g_unseal.c
- lib/gssapi/mechglue/g_userok.c
- lib/gssapi/mechglue/g_utils.c
- lib/gssapi/mechglue/g_verify.c
- lib/gssapi/mechglue/gssd_pname_to_uid.c

lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

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include/ipropr_hdr.h
kadmin/server/ipropr_svc.c
lib/kdb/ipropr.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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@page
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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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If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

```
@smallexample
Gnomovision version
69, Copyright (C) @var{year} @var{name of author}
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
@end smallexample
```

The hypothetical commands @samp{show w} and @samp{show c} should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than @samp{show w} and @samp{show c}; they could even be mouse-clicks or menu items---whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a ``copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

```
@example
Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.
```

@var{signature of Ty Coon}, 1 April 1989

Ty Coon, President of Vice

@end example

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- the libintl.jar Java library,
- the GNU.Gettext.dll C# library,
- the gettext.sh shells script function library.

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Version 2.1, February 1999

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1.94 snappy v0.0.4

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1.95 mux v1.8.0

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1.96 jaeger-client-go v2.29.1+incompatible

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compelled to copy the source along with the object code.

@item

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

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@item

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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:

@enumerate a

@item

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.)

@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.

@item

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.

@item

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.

@end enumerate

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@subheading END OF TERMS AND CONDITIONS

@page

@subheading 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.

@smallexample

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

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@end
smallexample

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`Frob' (a library for tweaking knobs) written by James Random Hacker.

@var{signature of Ty Coon}, 1 April 1990
Ty Coon, President of Vice
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@c hence no sectioning command or @node.

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Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your

cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

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@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.}

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@end smallexample

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If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

```
@smallexample
Gnomovision version
69, Copyright (C) @var{year} @var{name of author}
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
@end smallexample
```

The hypothetical commands @samp{show w} and @samp{show c} should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than @samp{show w} and @samp{show c}; they could even be mouse-clicks or menu items---whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a ``copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

```
@example
Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.
```

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

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- the libintl.jar Java library,
- the GNU.Gettext.dll C# library,
- the gettext.sh shells script function library.

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- the _programs_ gettext, ngettext, envsubst,
- the documentation.

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Version 2.1, February 1999

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Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

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

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

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in

non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

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

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

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

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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

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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

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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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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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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

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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.

TERMS AND CONDITIONS

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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

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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

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1.113 musl 1.2.2-r7

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1.117 go-isatty 0.0.12

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1.122 go-autorest-validation 0.3.1

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1.123 gogoprotobuf 1.3.2

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1.124 gogo-googleapis 1.4.1

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1.127 go-kit-log 0.1.0

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1.128 josharian-intern 1.0.0

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1.129 mwitkow-go-contrack 0.0.0-20190716064945-2f068394615f

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1.130 go-openapi-jsonpointer 0.19.5

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1.131 golang-mock 1.6.0

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 //
```

```
 // Code generated by MockGen. DO NOT EDIT.  
 // Source: input.go
```

```
 // Package empty_interface is a generated GoMock package.  
 package empty_interface
```

```
 import (  
     gomock "github.com/golang/mock/gomock"  
 )
```

```
 // MockEmpty is a mock of Empty interface.  
 type MockEmpty struct {  
     ctrl    *gomock.Controller  
     recorder *MockEmptyMockRecorder  
 }
```

```
 // MockEmptyMockRecorder is the mock recorder for MockEmpty.  
 type MockEmptyMockRecorder struct {
```

```

mock *MockEmpty
}

// NewMockEmpty creates a new mock instance.
func NewMockEmpty(ctrl *gomock.Controller) *MockEmpty {
    mock := &MockEmpty{ctrl: ctrl}
    mock.recorder = &MockEmptyMockRecorder{mock}
    return mock
}

// EXPECT returns an object that allows the caller to indicate expected use.
func (m *MockEmpty) EXPECT() *MockEmptyMockRecorder
{
    return m.recorder
}

```

1.132 blackfriday 2.0.1

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1.133 grpc-ecosystem-go-grpc-middleware

1.3.0

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1.134 xxhash 2.1.2

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1.135 sanitized-anchor-name 1.0.0

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1.136 golang-glog 0.0.0-20160126235308-23def4e6c14b

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1.137 sean-seed 0.0.0-20170313163322-e2103e2c3529

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1.138 x-errors 0.0.0-20200804184101-5ec99f83aff1

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1.139 x-text 0.3.7

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1.140 andybalholm-brotli 1.0.3

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1.141 urlsc 0.0.0-20170810143723-de5bf2ad4578

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1.142 oklog-ulid 1.3.1

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1.143 gosqlite 1.14.7

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1.144 go-testing-interface 1.14.0

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1.145 dgryski-go-rendezvous 0.0.0-20200823014737-9f7001d12a5f

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1.146 urfave-cli 2.3.0

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1.147 golang-sql-civil 0.0.0-20190719163853-cb61b32ac6fe

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1.148 shurcool-httpfs 0.0.0-20190707220628-8d4bc4ba7749

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1.159 go-openapi-validate 0.20.2

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1.160 go-openapi-loads 0.20.2

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1.161 golcs 0.0.0-20170316035057-ecda9a501e82

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1.165 gopkg-in/mail 2.3.1

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1.166 vividcortex-mysqlerr 0.0.0-

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1.168 shortid 0.0.0-20171029131806-771a37caa5cf

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1.169 prometheus-procfs 0.7.3

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1.170 github.com/protocolbuffers/txtproto v0.0.0-20201118171849-f6a6b3f636fc

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1.171 github.com/emicklei/proto v1.6.15

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1.172 github.com/mpvl/unique v0.0.0-20150818121801-cbe035fff7de

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1.173 go-units 0.4.0

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1.174 go-flags 1.5.0

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1.177 emicklei-proto 1.6.15

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1.178 golang-snappy 0.0.4

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1.179 fzambia-eagle 0.0.1

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1.180 mmap-go 1.0.0

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1.181 linkedin-goavro 2.10.0

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1.182 influxdata-line-protocol 0.0.0-20210311194329-9aa0e372d097

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1.183 felixge-httpsnoop 1.0.2

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1.184 sqlhooks 1.3.0

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1.185 getsentry-sentry-go 0.10.0

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1.186 prometheus-node-exporter 1.0.0-rc.0.0.20200428091818-01054558c289

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update-license

This is a small tool that updates the license header for Uber's open source Golang files.

Installation

```
go get go.uber.org/tools/update-license
```

Usage

```
update-license go_files...
```

Further Work

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

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

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Support for streaming Protocol Buffer messages for the Go language (golang).

https://github.com/matttproud/golang_protobuf_extensions

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Configurable modular Prometheus exporter for various node metrics.
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1.188 clockwork 0.2.2

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Clockwork - a clock 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 cron replacement. It runs as 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.

Quickstart

Create clock.rb:

```
require 'clockwork'
include Clockwork

handler do |job|
  puts "Running #{job}"
end

every(10.seconds, 'frequent.job')
every(3.minutes, 'less.frequent.job')
every(1.hour, 'hourly.job')

every(1.day, 'midnight.job', :at => '00:00')
```

Run it with the clockwork binary:

```
$ clockwork clock.rb
[2010-05-25 18:16:46 -0700] Starting clock for 4 events: [ frequent.job less.frequent.job hourly.job midnight.job ]
[2010-05-25 18:16:46 -0700] -> frequent.job
```

Use with queueing

The clock process only makes sense as a place to schedule work to be done, not to do the work. It avoids locking by running as a single process, but this makes it impossible to parallelize. For doing the work, you should be using a job queueing system, such as

[Delayed Job](<http://www.therailsway.com/2009/7/22/do-it-later-with-delayed-job>),

[Beanstalk/Stalker](http://adam.heroku.com/past/2010/4/24/beanstalk_a_simple_and_fast_queueing_backend/),

[RabbitMQ/Minion](http://adamblog.heroku.com/past/2009/9/28/background_jobs_with_rabbitmq_and_minion/),

or

[Resque](<http://github.com/blog/542-introducing-resque>). This design allows a simple clock process with no locks, but also offers

near infinite horizontal scalability.

For example, if you're using Beanstalk/Staker:

```
require 'stalker'

handler { |job| Stalker.enqueue(job) }

every(1.hour, 'feeds.refresh')
every(1.day, 'reminders.send', :at => '01:30')
```

Using a queueing system which doesn't require that your full application be loaded is preferable, because the clock 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, and use per-event blocks to call DJ or Resque enqueue methods. For example, with DJ/Rails:

```
require 'config/boot'
require 'config/environment'

every(1.hour, 'feeds.refresh') { Feed.send_later(:refresh) }
every(1.day, 'reminders.send', :at => '01:30') { Reminder.send_later(:send_reminders) }
```

Anatomy of a clock file

clock.rb is standard Ruby. Since we include the Clockwork module (the clockwork binary does this automatically, or you can do it explicitly), this exposes a small DSL ("handler" and "every") to define the handler for events, and then the events themselves.

The handler typically looks like this:

```
handler { |job| enqueue_your_job(job) }
```

This block will be invoked every time an event is triggered, with the job name passed in. In most cases, you should be able to pass the job name directly through to your queueing system.

The second part of the file are the events, which roughly resembles a crontab:

```
every(5.minutes, 'thing.do')
every(1.hour, 'otherthing.do')
```

In the first line of this example, an event will be triggered once every five minutes, passing the job name 'thing.do' into the handler. The handler shown above would thus call `enqueue_your_job('thing.do')`.

You can also pass a custom block to the handler, for job queueing systems that rely on classes rather than job names (i.e. DJ and Resque). In this case, you need not define a general event handler, and instead provide one with each event:

```
every(5.minutes,
'thing.do') { Thing.send_later(:do) }
```

If you provide a custom handler for the block, the job name is used only for

logging.

You can also use blocks to do more complex checks:

```
every(1.day, 'check.leap.year') do
  Stalker.enqueue('leap.year.party') if Time.now.year % 4 == 0
end
```

In production

Only one clock 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:

- * App server 1: 3 web (thin start), 3 workers (rake jobs:work), 1 clock (clockwork clock.rb)
- * App server 2: 3 web (thin start), 3 workers (rake jobs:work)

You should use Monit, God, Upstart, or Inittab to keep your clock process running the same way you keep your web and workers running.

Meta

Created by Adam Wiggins

Inspired by [rufus-scheduler](<http://rufus.rubyforge.org/rufus-scheduler/>) and [<http://github.com/bvandenbos/resque-scheduler>]([resque-scheduler](http://github.com/bvandenbos/resque-scheduler))

Design

assistance from Peter van Hardenberg and Matthew Soldo

Patches contributed by Mark McGranaghan

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<http://github.com/adamwiggins/clockwork>

Found in path(s):

- * /opt/cola/permits/1215783807_1634571130.71/0/clockwork-0-2-2-2-gem/data-tar-gz/README.md

1.189 go-openapi-errors 0.20.0

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

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1.193 go-openapi-analysis 0.20.1

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1.194 mattetti-filebuffer 1.0.1

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1.200 collector-model 0.31.0

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1.203 go-openapi-swag 0.19.15

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1.204 dennwc-varint 1.0.0

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1.205 miekg-dns 1.1.43

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1.206 gopkg.in-ini 1.62.0

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1.207 golang-migrate-migrate 4.7.0

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1.208 btree 1.0.1

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1.210 klauspost-compress 1.13.6

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1.215 json-iterator-go 1.1.12

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1.216 modern-go-reflect2 1.0.2

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1.217 cli v2.3.0

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1.219 go-openapi-strfmt 0.20.2

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1.220 mitchellh-mapstructure 1.4.2

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1.228 gogo-status 1.1.0

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1.229 e2fsprogs 1.46.4-r0

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

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```
#
# This 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): $(OBS)
```

```
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBS))
```

```
$(MV) pic/$(BSD_LIB) .
```

```
$(RM) -f ../$(BSD_LIB)
```

```
(cd ..; $(LN) $(LINK_BUILD_FLAGS) \
```

```
`echo $(my_dir) | sed -e 's;lib/;;'/${BSD_LIB} ${BSD_LIB})
```

```
install-shlibs install:: ${BSD_LIB}
```

```
@echo " INSTALL_PROGRAM ${BSDLIB_INSTALL_DIR}/${BSD_LIB}"
```

```
@${INSTALL_PROGRAM} ${BSD_LIB} \
```

```
$(DESTDIR)${BSDLIB_INSTALL_DIR}/${BSD_LIB}
```

```
@-${LDCONFIG}
```

```
install-strip: install
```

```
install-shlibs-strip:: install-shlibs
```

```
uninstall-shlibs uninstall::
```

```
$(RM) -f $(DESTDIR)${BSDLIB_INSTALL_DIR}/${BSD_LIB}
```

```
clean::
```

```
$(RM)
```

```
-rf pic
```

```
$(RM) -f ${BSD_LIB}
```

```
$(RM) -f ../${BSD_LIB}
```

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This is the Debian GNU/Linux prepackaged version of the translation files of the EXT2 file system utilities. The EXT2 utilities were

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Index: tdbsa/tdb.c

--- tdbsa.orig/tdb.c

+++ tdbsa/tdb.c

@@ -4,11 +4,11 @@ Rev: 23371

Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)

*/

/*

- Unix SMB/CIFS implementation.
- + trivial database library - standalone version

- trivial database library - private includes
-
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Gadi Oxman, August 1995

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```
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```

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```
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```

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package are flexible, if you give me enough lead time.

Theodore Ts'o

23-June-2007

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part of
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This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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

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

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

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This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
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1.230 prometheus-common 0.32.1

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1.231 cloud-google-com-go 0.97.0

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

package compute

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

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

var
    newLicenseCodesClientHook clientHook

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

```

}

// internalLicenseCodesClient is an interface that defines the methods available from Google Compute Engine API.
type internalLicenseCodesClient interface {
    Close() error
    setGoogleClientInfo(...string)
    Connection() *grpc.ClientConn
    Get(context.Context, *computepb.GetLicenseCodeRequest, ...gax.CallOption) (*computepb.LicenseCode, error)
    TestIamPermissions(context.Context, *computepb.TestIamPermissionsLicenseCodeRequest, ...gax.CallOption)
    (*computepb.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()
}

//

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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/"),
        internaloption.WithDefaultScopes(DefaultAuthScopes()...),
    }
}

//
// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *licenseCodesRESTClient) setGoogleClientInfo(keyval ...string) {
    kv := append([]string{"gl-go", versionGo()}, keyval...)
    kv = append(kv, "gpic", 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)
    baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenseCodes/%v", req.GetProject(),
req.GetLicenseCode())

    httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
    if err != nil {
        return nil, err
    }
}

```

```

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

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

if err = googleapi.CheckResponse(httpRsp); err != nil {
    return nil, err
}

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

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

if err := unm.Unmarshal(buf, rsp); err != nil {
    return nil, maybeUnknownEnum(err)
}
return rsp, nil
}

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

    baseUrl, _ := url.Parse(c.endpoint)
    baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenseCodes/%v/testIamPermissions",
req.GetProject(), req.GetResource())

```

```

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

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

if err = googleapi.CheckResponse(httpRsp); err != nil {
    return nil, err
}

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

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

if err := unm.Unmarshal(buf, rsp); err != nil {
    return nil, maybeUnknownEnum(err)
}
return
rsp, nil
}
// Copyright 2021 Google LLC
//
// Licensed under the Apache License, Version 2.0 (the "License");
// you may not use this file except in compliance with the License.
// You may obtain a copy of the License at
//
// https://www.apache.org/licenses/LICENSE-2.0
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// Unless required by applicable law or agreed to in writing, software
// distributed under the License is distributed on an "AS IS" BASIS,
// WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
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```

```

// limitations under the License.

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

package compute

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

    gax "github.com/googleapis/gax-go/v2"
    "google.golang.org/api/googleapi"
    "google.golang.org/api/iterator"
    "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"
    "google.golang.org/protobuf/proto"
)

var
    newLicensesClientHook clientHook

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

// internalLicensesClient is an interface that defines the methods available from Google Compute Engine API.
type internalLicensesClient interface {
    Close() error
    setGoogleClientInfo(...string)
    Connection() *grpc.ClientConn
    Delete(context.Context, *computepb.DeleteLicenseRequest, ...gax.CallOption) (*Operation, error)
}

```

```

Get(context.Context, *computepb.GetLicenseRequest, ...gax.CallOption)
(*computepb.License, error)
GetIamPolicy(context.Context, *computepb.GetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
error)
Insert(context.Context, *computepb.InsertLicenseRequest, ...gax.CallOption) (*Operation, error)
List(context.Context, *computepb.ListLicensesRequest, ...gax.CallOption) *LicenseIterator
SetIamPolicy(context.Context, *computepb.SetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
error)
TestIamPermissions(context.Context, *computepb.TestIamPermissionsLicenseRequest, ...gax.CallOption)
(*computepb.TestPermissionsResponse, error)
}

```

// LicensesClient is a client for interacting with Google Compute Engine API.

// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with method calls.

//

// The Licenses API.

```
type LicensesClient struct {
```

```
// The internal transport-dependent client.
```

```
internalClient internalLicensesClient
```

```
// The call options for this service.
```

```
CallOptions
```

```
*LicensesCallOptions
```

```
}
```

// Wrapper methods routed to the internal client.

// Close closes the connection to the API service. The user should invoke this when

// the client is no longer required.

```
func (c *LicensesClient) Close() error {
```

```
return c.internalClient.Close()
```

```
}
```

// setGoogleClientInfo sets the name and version of the application in

// the `x-goog-api-client` header passed on each request. Intended for

// use by Google-written clients.

```
func (c *LicensesClient) setGoogleClientInfo(keyval ...string) {
```

```
c.internalClient.setGoogleClientInfo(keyval...)
```

```
}
```

// Connection returns a connection to the API service.

//

// Deprecated.

```
func (c *LicensesClient) Connection() *grpc.ClientConn {
```

```
return c.internalClient.Connection()
```

```
}
```

```

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

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

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

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

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

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

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is

```

```

intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse,
error) {
    return c.internalClient.TestIamPermissions(ctx, req, opts...)
}

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

    // The http client.
    httpClient *http.Client

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

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

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

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

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

```



```

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

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *licensesRESTClient) Close() error {
    // Replace httpClient with nil to force cleanup.
    c.httpClient = nil
    return nil
}

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

// Delete deletes the specified
// license. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace
// images.
func (c *licensesRESTClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
    baseUrl, _ := url.Parse(c.endpoint)
    baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

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

    baseUrl.RawQuery = params.Encode()

    httpReq, err := http.NewRequest("DELETE", baseUrl.String(), nil)
    if err != nil {
        return nil, err
    }
    httpReq = httpReq.WithContext(ctx)
    // Set the headers
    for k, v := range c.xGoogMetadata {

```

```

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

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

if err = googleapi.CheckResponse(httpRsp);
err != nil {
    return nil, err
}

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

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

if err := unm.Unmarshal(buf, rsp); err != nil {
    return nil, maybeUnknownEnum(err)
}
op := &Operation{proto: rsp}
return op, err
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners
// who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Get(ctx context.Context, req *compute.GetLicenseRequest, opts ...gax.CallOption)
(*compute.License, error) {
    baseUrl, _ := url.Parse(c.endpoint)
    baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

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

```

```

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

if err = googleapi.CheckResponse(httpRsp); err != nil {
    return nil, err
}

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

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

if err := unm.Unmarshal(buf, rsp); err != nil {
    return nil, maybeUnknownEnum(err)
}
return rsp, nil
}

// GetIamPolicy gets the access control policy for a resource. May be empty if no such policy or resource exists.
Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest,
opts ...gax.CallOption) (*computepb.Policy, error) {
    baseUrl,
    _ := url.Parse(c.endpoint)
    baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/getIamPolicy", req.GetProject(),
req.GetResource())

    params := url.Values{ }
    if req != nil && req.OptionsRequestedPolicyVersion != nil {
        params.Add("optionsRequestedPolicyVersion", fmt.Sprintf("%v", req.GetOptionsRequestedPolicyVersion()))
    }

    baseUrl.RawQuery = params.Encode()

    httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
    if err != nil {
        return nil, err
    }
    httpReq = httpReq.WithContext(ctx)
    // Set the headers
    for k, v := range c.xGoogMetadata {

```

```

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

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

if err = googleapi.CheckResponse(httpRsp); err != nil {
    return nil, err
}

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

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

if err := unm.Unmarshal(buf, rsp); err != nil {
    return nil, maybeUnknownEnum(err)
}
return rsp, nil
}

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-
party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
    m := protojson.MarshalOptions{AllowPartial: true}
    body := req.GetLicenseResource()
    jsonReq, err := m.Marshal(body)
    if err != nil {
        return nil, err
    }

    baseUrl, _ := url.Parse(c.endpoint)
    baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())

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

```

```

baseUrl.RawQuery = params.Encode()

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

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

if err = googleapi.CheckResponse(httpRsp); err != nil {
return nil, err
}

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

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

if err := unm.Unmarshal(buf, rsp); err != nil {
return nil, maybeUnknownEnum(err)
}
op := &Operation{proto: rsp}
return op, err
}

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

```

```

req = proto.Clone(req).(*computepb.ListLicensesRequest)
unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
it.InternalFetch = func(pageSize int, pageToken string) ([]*computepb.License, string, error) {
    resp := &computepb.LicensesListResponse{}
    if pageToken != "" {
        req.PageToken = proto.String(pageToken)
    }
    if pageSize > math.MaxInt32 {
        req.MaxResults = proto.Uint32(math.MaxInt32)
    } else if pageSize != 0 {
        req.MaxResults = proto.Uint32(uint32(pageSize))
    }
    baseUrl, _ := url.Parse(c.endpoint)
    baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses",
    req.GetProject())

    params := url.Values{}
    if req != nil && req.Filter != nil {
        params.Add("filter", fmt.Sprintf("%v", req.GetFilter()))
    }
    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 {
        params.Add("pageToken", fmt.Sprintf("%v", req.GetPageToken()))
    }
    if req != nil && req.ReturnPartialSuccess != nil {
        params.Add("returnPartialSuccess", fmt.Sprintf("%v", req.GetReturnPartialSuccess()))
    }
    }

    baseUrl.RawQuery = params.Encode()

    httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
    if err != nil {
        return nil, "", err
    }

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

    httpReq.Header["Content-Type"] = []string{"application/json"}
    httpRsp, err := c.httpClient.Do(httpReq)
    if

```

```

err != nil {
    return nil, "", err
}
defer httpRsp.Body.Close()

if err = googleapi.CheckResponse(httpRsp); err != nil {
    return nil, "", err
}

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

unm.Unmarshal(buf, resp)
it.Response = resp
return resp.GetItems(), resp.GetNextPageToken(), nil
}

fetch := func(pageSize int, pageToken string) (string, error) {
    items, nextPageToken, err := it.InternalFetch(pageSize, pageToken)
    if err != nil {
        return "", err
    }
    it.items = append(it.items, items...)
    return nextPageToken, nil
}

it.pageInfo, it.nextFunc = iterator.NewPageInfo(fetch, it.bufLen, it.takeBuf)
it.pageInfo.MaxSize = int(req.GetMaxResults())
it.pageInfo.Token = req.GetPageToken()

return it
}

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

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

```

```

baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/setIamPolicy", req.GetProject(),
req.GetResource())

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

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

if err = googleapi.CheckResponse(httpRsp); err != nil {
    return nil, err
}

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

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

if err := unm.Unmarshal(buf, rsp); err != nil {
    return nil, maybeUnknownEnum(err)
}
return rsp, nil
}

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

```



```

return nil, err
}

baseUrl, _ := url.Parse(c.endpoint)
baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/testIamPermissions", req.GetProject(),
req.GetResource())

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

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

if err = googleapi.CheckResponse(httpRsp); err != nil {
return nil, err
}

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

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

if err := unm.Unmarshal(buf, rsp); err != nil {
return nil, maybeUnknownEnum(err)
}
return rsp, nil
}

// LicenseIterator manages a stream of *computepb.License.
type LicenseIterator struct {
items []*computepb.License
pageInfo *iterator.PageInfo
nextFunc func() error

```

```

//
Response is the raw response for the current page.
// It must be cast to the RPC response type.
// Calling Next() or InternalFetch() updates this value.
Response interface{ }

// InternalFetch is for use by the Google Cloud Libraries only.
// It is not part of the stable interface of this package.
//
// InternalFetch returns results from a single call to the underlying RPC.
// The number of results is no greater than pageSize.
// If there are no more results, nextPageToken is empty and err is nil.
InternalFetch func(pageSize int, pageToken string) (results []*computepb.License, nextPageToken string, err error)
}

// PageInfo supports pagination. See the google.golang.org/api/iterator package for details.
func (it *LicenseIterator) PageInfo() *iterator.PageInfo {
return it.pageInfo
}

// Next returns the next result. Its second return value is iterator.Done if there are no more
// results. Once Next returns Done, all subsequent calls will return Done.
func (it *LicenseIterator)
Next() (*computepb.License, error) {
var item *computepb.License
if err := it.nextFunc(); err != nil {
return item, err
}
item = it.items[0]
it.items = it.items[1:]
return item, nil
}

func (it *LicenseIterator) bufLen() int {
return len(it.items)
}

func (it *LicenseIterator) takeBuf() interface{} {
b := it.items
it.items = nil
return b
}
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```

```

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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.
        // See https://pkg.go.dev/google.golang.org/genproto/googleapis/cloud/compute/v1#GetLicenseCodeRequest.
    }
    resp, err := c.Get(ctx, req)
    if err != nil {
        // TODO: Handle error.
    }
}

```

```

// TODO: Use resp.
_ = resp
}

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

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

```

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package compute_test

import (

"context"

compute "cloud.google.com/go/compute/apiv1"

"google.golang.org/api/iterator"

```

compute pb "google.golang.org/genproto/googleapis/cloud/compute/v1"
)

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

    // TODO: Use client.
    _ = c
}

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

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

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

    req := &computepb.GetLicenseRequest{
        // TODO: Fill request struct fields.
        // See https://pkg.go.dev/google.golang.org/genproto/googleapis/cloud/compute/v1#GetLicenseRequest.
    }

```

```

resp, err := c.Get(ctx, req)
if err != nil {
    // TODO: Handle error.
}
// TODO: Use resp.
_ = resp
}

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

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

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

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

```

```

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

    req := &computepb.ListLicensesRequest{
        // TODO: Fill request struct fields.
        // See https://pkg.go.dev/google.golang.org/genproto/googleapis/cloud/compute/v1#ListLicensesRequest.
    }
    it := c.List(ctx, req)
    for {
        resp, err := it.Next()
        if err == iterator.Done {
            break
        }
        if err != nil {
            // TODO: Handle error.
        }
        // TODO: Use resp.
        _ = resp
    }
}

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

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

```

```

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

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

```

1.232 prometheus-exporter-toolkit 0.7.0

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1.233 go-openapi-jsonreference 0.19.6

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1.234 github.com/go-kit/log v0.1.0

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1.235 pq v1.10.4

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```
//go:build go1.10
// +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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1.236 githubcommitchellhmapstructure v1.4.2

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1.237 errwrap v1.0.0

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1.238 alpine-keys 2.4-r1

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1.239 alpine-baselayout 3.2.0-r18

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1.240 go-autorest v0.2.1

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1.242 github.com/dennwc/varint v1.0.0

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1.246 github.com/prometheus/common/sigv4 v0.1.0

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1.247 github.com/goopenapi/runtime v0.19.29

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1.248 githubcomgoopenapierrors v0.20.0

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1.249 golang-mock v1.6.0

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```

package empty_interface

```
//go:generate mockgen -package empty_interface -destination mock.go -source input.go -  
copyright_file=mock_copyright_header
```

```
type Empty interface{ }
```

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//
// Code generated by MockGen. DO NOT EDIT.
// Source: input.go

// Package empty_interface is a generated GoMock package.
package empty_interface

import (
    gomock "github.com/golang/mock/gomock"
)

// MockEmpty is a mock of Empty interface.
type MockEmpty struct {
```

```

ctrl  *gomock.Controller
recorder *MockEmptyMockRecorder
}

// MockEmptyMockRecorder is the mock recorder for MockEmpty.
type MockEmptyMockRecorder struct {
    mock *MockEmpty
}

// NewMockEmpty creates a new mock instance.
func NewMockEmpty(ctrl *gomock.Controller) *MockEmpty {
    mock := &MockEmpty{ctrl: ctrl}
    mock.recorder = &MockEmptyMockRecorder{mock}
    return mock
}

// EXPECT returns an object that allows the caller to indicate expected use.
func (m *MockEmpty) EXPECT() *MockEmptyMockRecorder
{
    return m.recorder
}

```

1.250 procs v0.7.3

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

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1.251 githubcommailrueasyjson v0.7.7

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1.252 github.com/yudai/golcs v0.0.0-

20170316035057-ecda9a501e82

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1.253 gojsondiff v1.0.0

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=====

This repository is build with following third party libraries. Thank you!

go-diff - <https://github.com/sergi/go-diff>

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1.254 googlecloudgo v0.97.0

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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/googleapi"
    "google.golang.org/api/option"
    "google.golang.org/api/option/internaloption"
```

```

httptransport "google.golang.org/api/transport/http"
computepb "google.golang.org/genproto/googleapis/cloud/compute/v1"
"google.golang.org/grpc"
"google.golang.org/grpc/metadata"
"google.golang.org/protobuf/encoding/protojson"
)

var
newLicenseCodesClientHook clientHook

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

// internalLicenseCodesClient is an interface that defines the methods available from Google Compute Engine API.
type internalLicenseCodesClient interface {
    Close() error
    setGoogleClientInfo(...string)
    Connection() *grpc.ClientConn
    Get(context.Context, *computepb.GetLicenseCodeRequest, ...gax.CallOption) (*computepb.LicenseCode, error)
    TestIamPermissions(context.Context, *computepb.TestIamPermissionsLicenseCodeRequest, ...gax.CallOption)
    (*computepb.TestPermissionsResponse, error)
}

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

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

// Wrapper methods routed to the internal client.

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

// setGoogleClientInfo sets the name and version of the application in

```



```

// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *LicenseCodesClient) setGoogleClientInfo(keyval ...string) {
    c.internalClient.setGoogleClientInfo(keyval...)
}

// Connection returns a connection to the API service.
//
// Deprecated.
func (c *LicenseCodesClient) Connection() *grpc.ClientConn {
    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/"),
        internaloption.WithDefaultScopes(DefaultAuthScopes()...),
    }
}

//
// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *licenseCodesRESTClient) setGoogleClientInfo(keyval ...string) {
    kv := append([]string{"gl-go", versionGo()}, keyval...)
    kv = append(kv, "gopic", 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)
    baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenseCodes/%v", req.GetProject(),
req.GetLicenseCode())
```

```
    httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
```

```
    if err != nil {
```

```
        return nil, err
```

```
    }
```

```
    httpReq = httpReq.WithContext(ctx)
```

```
    // Set the headers
```

```
    for k, v := range c.xGoogMetadata {
```

```
        httpReq.Header[k] = v
```

```
    }
```

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

```
    httpRsp,
```

```
    err := c.httpClient.Do(httpReq)
```

```
    if err != nil {
```

```
        return nil, err
```

```
    }
```

```
    defer httpRsp.Body.Close()
```

```
    if err = googleapi.CheckResponse(httpRsp); err != nil {
```

```
        return nil, err
```

```
    }
```

```
    buf, err := ioutil.ReadAll(httpRsp.Body)
```

```
    if err != nil {
```

```
        return nil, err
```

```
    }
```

```
    unmarshalOptions := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
```

```
    resp := &computepb.LicenseCode{}
```

```
    if err := unmarshalOptions.Unmarshal(buf, resp); err != nil {
```

```
        return nil, maybeUnknownEnum(err)
```

```
    }
```

```
    return resp, nil
```

```
    }
```

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.

```

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

    baseUrl, _ := url.Parse(c.endpoint)
    baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenseCodes/%v/testIamPermissions",
req.GetProject(), req.GetResource())

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

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

    if err = googleapi.CheckResponse(httpRsp); err != nil {
        return nil, err
    }

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

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

    if err := unmarshalOptions.Unmarshal(buf, rsp); err != nil {
        return nil, maybeUnknownEnum(err)
    }
    return

```

```

    rsp, nil
}
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// limitations under the License.

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

package compute

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

    gax "github.com/googleapis/gax-go/v2"
    "google.golang.org/api/googleapi"
    "google.golang.org/api/iterator"
    "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"
    "google.golang.org/protobuf/proto"
)

var
    newLicensesClientHook clientHook

// LicensesCallOptions contains the retry settings for each method of LicensesClient.
type LicensesCallOptions struct {
    Delete []gax.CallOption

```

```

Get          []gax.CallOption
GetIamPolicy []gax.CallOption
Insert       []gax.CallOption
List         []gax.CallOption
SetIamPolicy []gax.CallOption
TestIamPermissions []gax.CallOption
}

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

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

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

// Wrapper methods routed to the internal client.

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

```

```

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

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

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

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

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

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

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that
// belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a
// list of publicly-available licenses, use this method to make a request to the respective image project, such as debian-
// cloud or windows-cloud. Caution This resource is intended for use only by third-party partners who are creating
// Cloud Marketplace images.

```

```

func (c *LicensesClient) List(ctx context.Context, req *computepb.ListLicensesRequest, opts ...gax.CallOption)
*LicenseIterator {
    return c.internalClient.List(ctx, req, opts...)
}

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

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

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

    // The http client.
    httpClient *http.Client

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

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

    c := &licensesRESTClient{
        endpoint: endpoint,
        httpClient: httpClient,

```



```

}
c.setGoogleClientInfo()

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

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

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

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *licensesRESTClient) Close() error {
// Replace httpClient with nil to force cleanup.
c.httpClient = nil
return nil
}

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

// Delete deletes the specified
license. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace
images.
func (c *licensesRESTClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
baseUrl, _ := url.Parse(c.endpoint)
baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

```

```

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

baseUrl.RawQuery = params.Encode()

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

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

if err = googleapi.CheckResponse(httpRsp);
err != nil {
    return nil, err
}

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

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

if err := unm.Unmarshal(buf, rsp); err != nil {
    return nil, maybeUnknownEnum(err)
}
op := &Operation{proto: rsp}
return op, err
}

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

```

```

baseUrl, _ := url.Parse(c.endpoint)
baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

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

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

if err = googleapi.CheckResponse(httpRsp); err != nil {
    return nil, err
}

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

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

if err := unm.Unmarshal(buf, rsp); err != nil {
    return nil, maybeUnknownEnum(err)
}
return rsp, nil
}

// GetIamPolicy gets the access control policy for a resource. May be empty if no such policy or resource exists.
Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest,
opts ...gax.CallOption) (*computepb.Policy, error) {
    baseUrl,
    _ := url.Parse(c.endpoint)
    baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/getIamPolicy", req.GetProject(),
req.GetResource())

```

```

params := url.Values{ }
if req != nil && req.OptionsRequestedPolicyVersion != nil {
    params.Add("optionsRequestedPolicyVersion", fmt.Sprintf("%v", req.GetOptionsRequestedPolicyVersion()))
}

baseUrl.RawQuery = params.Encode()

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

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

if err = googleapi.CheckResponse(httpRsp); err != nil {
    return nil, err
}

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

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

if err := unm.Unmarshal(buf, rsp); err != nil {
    return nil, maybeUnknownEnum(err)
}
return rsp, nil
}

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

```

```

body := req.GetLicenseResource()
jsonReq, err := m.Marshal(body)
if err != nil {
    return nil, err
}

baseUrl, _ := url.Parse(c.endpoint)
baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())

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

baseUrl.RawQuery = params.Encode()

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

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

if err = googleapi.CheckResponse(httpRsp); err != nil {
    return nil, err
}

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

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

if err := unm.Unmarshal(buf, rsp); err != nil {
    return nil, maybeUnknownEnum(err)
}

```

```

}
op := &Operation{proto: rsp}
return op, err
}

```

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a list of

publicly-available licenses, use this method to make a request to the respective image project, such as debian-cloud or windows-cloud. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.

```
func (c *licensesRESTClient) List(ctx context.Context, req *computepb.ListLicensesRequest, opts
```

```
...gax.CallOption) *LicenseIterator {
```

```
it := &LicenseIterator{}
```

```
req = proto.Clone(req).(*computepb.ListLicensesRequest)
```

```
unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
```

```
it.InternalFetch = func(pageSize int, pageToken string) ([]*computepb.License, string, error) {
```

```
resp := &computepb.LicensesListResponse{}
```

```
if pageToken != "" {
```

```
req.PageToken = proto.String(pageToken)
```

```
}
```

```
if pageSize > math.MaxInt32 {
```

```
req.MaxResults = proto.Uint32(math.MaxInt32)
```

```
} else if pageSize != 0 {
```

```
req.MaxResults = proto.Uint32(uint32(pageSize))
```

```
}
```

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

```
baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses",
```

```
req.GetProject())
```

```
params := url.Values{}
```

```
if req != nil && req.Filter != nil {
```

```
params.Add("filter", fmt.Sprintf("%v", req.GetFilter()))
```

```
}
```

```
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 {
```

```
params.Add("pageToken", fmt.Sprintf("%v", req.GetPageToken()))
```

```
}
```

```
if req != nil && req.ReturnPartialSuccess != nil {
```

```
params.Add("returnPartialSuccess", fmt.Sprintf("%v", req.GetReturnPartialSuccess()))
```

```
}
```

```
baseUrl.RawQuery = params.Encode()
```

```

httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
if err != nil {
    return nil, "", err
}

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

httpReq.Header["Content-Type"] = []string{"application/json"}
httpRsp, err := c.httpClient.Do(httpReq)
if
err != nil {
    return nil, "", err
}
defer httpRsp.Body.Close()

if err = googleapi.CheckResponse(httpRsp); err != nil {
    return nil, "", err
}

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

unm.Unmarshal(buf, resp)
it.Response = resp
return resp.GetItems(), resp.GetNextPageToken(), nil
}

fetch := func(pageSize int, pageToken string) (string, error) {
    items, nextPageToken, err := it.InternalFetch(pageSize, pageToken)
    if err != nil {
        return "", err
    }
    it.items = append(it.items, items...)
    return nextPageToken, nil
}

it.pageInfo, it.nextFunc = iterator.NewPageInfo(fetch, it.bufLen, it.takeBuf)
it.pageInfo.MaxSize = int(req.GetMaxResults())
it.pageInfo.Token = req.GetPageToken()

return it
}

```

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.

func

```
(c *licensesRESTClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest, opts
...gax.CallOption) (*computepb.Policy, error) {
    m := protojson.MarshalOptions{ AllowPartial: true }
    body := req.GetGlobalSetPolicyRequestResource()
    jsonReq, err := m.Marshal(body)
    if err != nil {
        return nil, err
    }
```

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

```
    baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/setIamPolicy", req.GetProject(),
req.GetResource())
```

```
    httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
```

```
    if err != nil {
        return nil, err
    }
```

```
    httpReq = httpReq.WithContext(ctx)
```

```
    // Set the headers
```

```
    for k, v := range c.xGoogMetadata {
        httpReq.Header[k] = v
    }
```

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

```
    httpRsp, err := c.httpClient.Do(httpReq)
```

```
    if err != nil {
        return nil, err
    }
```

```
    defer httpRsp.Body.Close()
```

```
    if err = googleapi.CheckResponse(httpRsp); err != nil {
        return nil, err
    }
```

```
    buf,
```

```
    err := ioutil.ReadAll(httpRsp.Body)
```

```
    if err != nil {
        return nil, err
    }
```

```
    unmarshalOptions := protojson.UnmarshalOptions{ AllowPartial: true, DiscardUnknown: true }
```

```
    resp := &computepb.Policy{ }
```

```
    if err := unmarshalOptions.Unmarshal(buf, resp); err != nil {
```



```

return nil, maybeUnknownEnum(err)
}
return rsp, nil
}

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

baseUrl, _ := url.Parse(c.endpoint)
baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/testIamPermissions", req.GetProject(),
req.GetResource())

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

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

if err = googleapi.CheckResponse(httpRsp); err != nil {
return nil, err
}

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

unm := protojson.UnmarshalOptions{ AllowPartial: true, DiscardUnknown: true }

```

```

rsp := &computepb.TestPermissionsResponse{ }

if err := unm.Unmarshal(buf, rsp); err != nil {
    return nil, maybeUnknownEnum(err)
}
return rsp, nil
}

// LicenseIterator manages a stream of *computepb.License.
type LicenseIterator struct {
    items []*computepb.License
    pageInfo *iterator.PageInfo
    nextFunc func() error

    //
    // Response is the raw response for the current page.
    // It must be cast to the RPC response type.
    // Calling Next() or InternalFetch() updates this value.
    Response interface{ }

    // InternalFetch is for use by the Google Cloud Libraries only.
    // It is not part of the stable interface of this package.
    //
    // InternalFetch returns results from a single call to the underlying RPC.
    // The number of results is no greater than pageSize.
    // If there are no more results, nextPageToken is empty and err is nil.
    InternalFetch func(pageSize int, pageToken string) (results []*computepb.License, nextPageToken string, err error)
}

// PageInfo supports pagination. See the google.golang.org/api/iterator package for details.
func (it *LicenseIterator) PageInfo() *iterator.PageInfo {
    return it.pageInfo
}

// Next returns the next result. Its second return value is iterator.Done if there are no more
// results. Once Next returns Done, all subsequent calls will return Done.
func (it *LicenseIterator)
Next() (*computepb.License, error) {
    var item *computepb.License
    if err := it.nextFunc(); err != nil {
        return item, err
    }
    item = it.items[0]
    it.items = it.items[1:]
    return item, nil
}

func (it *LicenseIterator) bufLen() int {

```

```

return len(it.items)
}

func (it *LicenseIterator) takeBuf() interface{} {
    b := it.items
    it.items = nil
    return b
}
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package compute_test

import (
    "context"

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

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

    // TODO: Use
    client.
    _ = c
}

func ExampleLicenseCodesClient_Get() {
    ctx := context.Background()

```

```

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

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

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

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

```

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package compute_test

import (
    "context"

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

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

    // TODO: Use client.
    _ = c
}

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

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

```

```

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

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

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

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

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

```

```

defer c.Close()

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

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

    req := &computepb.ListLicensesRequest{
        // TODO: Fill request struct fields.
        // See https://pkg.go.dev/google.golang.org/genproto/googleapis/cloud/compute/v1#ListLicensesRequest.
    }
    it := c.List(ctx, req)
    for {
        resp, err := it.Next()
        if err == iterator.Done {
            break
        }
        if err != nil {
            // TODO: Handle error.
        }
        // TODO: Use resp.
        _ = resp
    }
}

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

```

```

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

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

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

```

1.255 google-golang-org-grpc v1.42.0

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1.256 gax-go 2.1.1

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1.257 go-mssqldb 0.11.0

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1.260 russellhaering-goxmldsig 1.1.1

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lib/erl/src/Makefile.am

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For the aclocal/ax_boost_base.m4 and contrib/fb303/aclocal/ax_boost_base.m4
components:

```
# Copyright (c) 2007 Thomas Porschberg <thomas@randspringer.de>
#
# Copying and distribution of this file, with or without
# modification, are permitted in any medium without royalty provided
# the copyright notice and this notice are preserved.
```

For the lib/nodejs/lib/thrift/json_parse.js:

```
/*
  json_parse.js
  2015-05-02
  Public Domain.
  NO WARRANTY EXPRESSED OR IMPLIED. USE AT YOUR OWN RISK.

*/
(By Douglas Crockford <douglas@crockford.com>)
```

For lib/cpp/src/thrift/windows/SocketPair.cpp

```
/* socketpair.c
 * Copyright 2007 by Nathan C. Myers <ncm@cantrip.org>; some rights reserved.
 * This code is Free Software. It may be copied freely, in original or
 * modified form, subject only to the restrictions that (1) the author is
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 * this copyright notice must
 * be retained, unchanged, in its entirety. If
 * for any reason the author might be held responsible for any consequences
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*/
```

For lib/py/compat/win32/stdint.h

```
// ISO C9x compliantstdint.h for Microsoft Visual Studio
// Based on ISO/IEC 9899:TC2 Committee draft (May 6, 2005) WG14/N1124
//
// Copyright (c) 2006-2008 Alexander Chemeris
//
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//
//
//////////////////////////////////////////////////////////////////
```

Codegen template

in t_html_generator.h

```
* Bootstrap v2.0.3
*
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* http://www.apache.org/licenses/LICENSE-2.0
*
* Designed and built with all the love in the world @twitter by @mdo and @fat.
```

For t_cl_generator.cc

```
* Copyright (c) 2008- Patrick Collison <patrick@collison.ie>
* Copyright (c) 2006- Facebook
```

1.265 prometheus 1.8.2-0.20211011171444-354d8d2ecfac

1.265.1 Available under license :

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

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```
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```

```
//  
// 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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```

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For lib/cpp/src/thrift/windows/SocketPair.cpp

```
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 */
```

For lib/py/compat/win32/stdint.h

```
// ISO C9x compliantstdint.h for Microsoft Visual Studio
// Based on ISO/IEC 9899:TC2 Committee draft (May 6, 2005) WG14/N1124
//
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//
///////////////////////////////////////////////////////////////////
```

Codegen template

in t_html_generator.h

* Bootstrap v2.0.3

*

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*

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For t_cl_generator.cc

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Portions of the client are based on code at:

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tomb - support for clean goroutine termination in Go.

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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
}
```

```
type LicenseProps struct {
    Name string `json:"name,omitempty"`
    URL  string `json:"url,omitempty"`
}
```

```
func (l *License) UnmarshalJSON(data []byte) error {
    if err
    := json.Unmarshal(data, &l.LicenseProps); err != nil {
        return err
    }
    return json.Unmarshal(data, &l.VendorExtensible)
}
```

```
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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*/
```

```
package minio
```

```
import (
    "bytes"
    "context"
    "encoding/xml"
    "fmt"
    "net/http"
    "net/url"

    "github.com/minio/minio-go/v6/pkg/s3utils"
)

// objectLegalHold - object legal hold specified in
// https://docs.aws.amazon.com/AmazonS3/latest/API/archive-RESTObjectPUTLegalHold.html
type objectLegalHold struct {
    XMLNS string `xml:"xmlns,attr,omitempty"`
    XMLName
    xml.Name `xml:"LegalHold"`
    Status LegalHoldStatus `xml:"Status,omitempty"`
}

// PutObjectLegalHoldOptions represents options specified by user for PutObjectLegalHold call
type PutObjectLegalHoldOptions struct {
    VersionID string
    Status *LegalHoldStatus
}

// GetObjectLegalHoldOptions represents options specified by user for GetObjectLegalHold call
type GetObjectLegalHoldOptions struct {
    VersionID string
}

// LegalHoldStatus - object legal hold status.
type LegalHoldStatus string

const (
    // LegalHoldEnabled indicates legal hold is enabled
    LegalHoldEnabled LegalHoldStatus = "ON"
)
```

```

// LegalHoldDisabled indicates legal hold is disabled
LegalHoldDisabled LegalHoldStatus = "OFF"
)

func (r LegalHoldStatus) String() string {
    return string(r)
}

// IsValid - check whether this legal hold status is valid or not.
func (r LegalHoldStatus) IsValid() bool {
    return r == LegalHoldEnabled || r == LegalHoldDisabled
}

func newObjectLegalHold(status *LegalHoldStatus)
(*objectLegalHold, error) {
    if status == nil {
        return nil, fmt.Errorf("Status not set")
    }
    if !status.IsValid() {
        return nil, fmt.Errorf("invalid legal hold status `%v`", status)
    }
    legalHold := &objectLegalHold{
        Status: *status,
    }
    return legalHold, nil
}

// PutObjectLegalHold : sets object legal hold for a given object and versionID.
func (c Client) PutObjectLegalHold(bucketName, objectName string, opts PutObjectLegalHoldOptions) error {
    // Input validation.
    if err := s3utils.CheckValidBucketName(bucketName); err != nil {
        return err
    }

    if err := s3utils.CheckValidObjectName(objectName); err != nil {
        return err
    }

    // Get resources properly escaped and lined up before
    // using them in http request.
    urlValues := make(url.Values)
    urlValues.Set("legal-hold", "")

    if opts.VersionID != "" {
        urlValues.Set("versionId", opts.VersionID)
    }

    lh, err := newObjectLegalHold(opts.Status)

```

```

if err != nil {
    return err
}

lhData, err := xml.Marshal(lh)
if err !=
nil {
    return err
}

reqMetadata := requestMetadata{
    bucketName:    bucketName,
    objectName:    objectName,
    queryValues:   urlValues,
    contentBody:   bytes.NewReader(lhData),
    contentLength: int64(len(lhData)),
    contentMD5Base64: sumMD5Base64(lhData),
    contentSHA256Hex: sum256Hex(lhData),
}

// Execute PUT Object Legal Hold.
resp, err := c.executeMethod(context.Background(), "PUT", reqMetadata)
defer closeResponse(resp)
if err != nil {
    return err
}
if resp != nil {
    if resp.StatusCode != http.StatusOK && resp.StatusCode != http.StatusNoContent {
        return httpRespToErrorResponse(resp, bucketName, objectName)
    }
}
return nil
}

// GetObjectLegalHold gets legal-hold status of given object.
func (c Client) GetObjectLegalHold(bucketName, objectName string, opts GetObjectLegalHoldOptions) (status
*LegalHoldStatus, err error) {
    // Input validation.
    if err := s3utils.CheckValidBucketName(bucketName); err != nil {
        return nil, err
    }

    if err := s3utils.CheckValidObjectName(objectName);
err != nil {
        return nil, err
    }
    urlValues := make(url.Values)
    urlValues.Set("legal-hold", "")

```

```

if opts.VersionID != "" {
    urlValues.Set("versionId", opts.VersionID)
}

// Execute GET on bucket to list objects.
resp, err := c.executeMethod(context.Background(), "GET", requestMetadata{
    bucketName:    bucketName,
    objectName:    objectName,
    queryValues:   urlValues,
    contentSHA256Hex: emptySHA256Hex,
})
defer closeResponse(resp)
if err != nil {
    return nil, err
}
if resp != nil {
    if resp.StatusCode != http.StatusOK {
        return nil, httpRespToErrorResponse(resp, bucketName, objectName)
    }
}
lh := &objectLegalHold{}
if err = xml.NewDecoder(resp.Body).Decode(lh); err != nil {
    return nil, err
}

return &lh.Status, nil
}

```

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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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#

Auto-generated with:

git log --oneline --pretty=format:'%an <%aE>' | sort -u

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

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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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* gogrep - <https://github.com/mvdan/gogrep>

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* gosmith - <https://github.com/dvyukov/gosmith>

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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"`  
  
    // 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
    }
    defer resp.Body.Close()

    if err := decodeBody(resp, &reply); err != nil {
        return nil, err
    }

    return &reply, nil
}

```

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Squirrel

The Masterminds

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1.272 crewjam-saml 0.4.6-0.20210521115923- 29c6295245bd

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1.273 grafana-grafana-google-sdk-go 0.0.0-20211104130251-b190293eaf58

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1.274 mna-redisc 1.3.2

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1.275 cuelang.org-go 0.4.0

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*/

package minio

```
import (  
    "bytes"  
    "context"  
    "encoding/xml"  
    "fmt"  
    "net/http"
```

```

"net/url"

"github.com/minio/minio-go/v7/pkg/s3utils"
)

// objectLegalHold - object legal hold specified in
// https://docs.aws.amazon.com/AmazonS3/latest/API/archive-RESTObjectPUTLegalHold.html
type objectLegalHold struct {
XMLNS string `xml:"xmlns,attr,omitempty"`
XMLName
xml.Name `xml:"LegalHold"`
Status LegalHoldStatus `xml:"Status,omitempty"`
}

// PutObjectLegalHoldOptions represents options specified by user for PutObjectLegalHold call
type PutObjectLegalHoldOptions struct {
VersionID string
Status *LegalHoldStatus
}

// GetObjectLegalHoldOptions represents options specified by user for GetObjectLegalHold call
type GetObjectLegalHoldOptions struct {
VersionID string
}

// LegalHoldStatus - object legal hold status.
type LegalHoldStatus string

const (
// LegalHoldEnabled indicates legal hold is enabled
LegalHoldEnabled LegalHoldStatus = "ON"

// LegalHoldDisabled indicates legal hold is disabled
LegalHoldDisabled LegalHoldStatus = "OFF"
)

func (r LegalHoldStatus) String() string {
return string(r)
}

// IsValid - check whether this legal hold status is valid or not.
func (r LegalHoldStatus) IsValid() bool {
return r == LegalHoldEnabled || r == LegalHoldDisabled
}

func newObjectLegalHold(status *LegalHoldStatus)
(*objectLegalHold, error) {
if status == nil {

```



```

return nil, fmt.Errorf("Status not set")
}
if !status.IsValid() {
return nil, fmt.Errorf("invalid legal hold status `%v`", status)
}
legalHold := &objectLegalHold{
Status: *status,
}
return legalHold, nil
}

// PutObjectLegalHold : sets object legal hold for a given object and versionID.
func (c Client) PutObjectLegalHold(ctx context.Context, bucketName, objectName string, opts
PutObjectLegalHoldOptions) error {
// Input validation.
if err := s3utils.CheckValidBucketName(bucketName); err != nil {
return err
}

if err := s3utils.CheckValidObjectName(objectName); err != nil {
return err
}

// Get resources properly escaped and lined up before
// using them in http request.
urlValues := make(url.Values)
urlValues.Set("legal-hold", "")

if opts.VersionID != "" {
urlValues.Set("versionId", opts.VersionID)
}

lh, err := newObjectLegalHold(opts.Status)
if err != nil {
return err
}

lhData, err := xml.Marshal(lh)
if
err != nil {
return err
}

reqMetadata := requestMetadata{
bucketName: bucketName,
objectName: objectName,
queryValues: urlValues,
contentBody: bytes.NewReader(lhData),

```

```

    contentLength: int64(len(lhData)),
    contentMD5Base64: sumMD5Base64(lhData),
    contentSHA256Hex: sum256Hex(lhData),
}

// Execute PUT Object Legal Hold.
resp, err := c.executeMethod(ctx, http.MethodPut, reqMetadata)
defer closeResponse(resp)
if err != nil {
    return err
}
if resp != nil {
    if resp.StatusCode != http.StatusOK && resp.StatusCode != http.StatusNoContent {
        return httpRespToErrorResponse(resp, bucketName, objectName)
    }
}
return nil
}

// GetObjectLegalHold gets legal-hold status of given object.
func (c Client) GetObjectLegalHold(ctx context.Context, bucketName, objectName string, opts
GetObjectLegalHoldOptions) (status *LegalHoldStatus, err error) {
    // Input validation.
    if err := s3utils.CheckValidBucketName(bucketName); err != nil {
        return
        nil, err
    }

    if err := s3utils.CheckValidObjectName(objectName); err != nil {
        return nil, err
    }
    urlValues := make(url.Values)
    urlValues.Set("legal-hold", "")

    if opts.VersionID != "" {
        urlValues.Set("versionId", opts.VersionID)
    }

    // Execute GET on bucket to list objects.
    resp, err := c.executeMethod(ctx, http.MethodGet, requestMetadata{
        bucketName:    bucketName,
        objectName:    objectName,
        queryValues:    urlValues,
        contentSHA256Hex: emptySHA256Hex,
    })
    defer closeResponse(resp)
    if err != nil {
        return nil, err
    }
}

```

```
}
if resp != nil {
  if resp.StatusCode != http.StatusOK {
    return nil, httpRespToErrorResponse(resp, bucketName, objectName)
  }
}
lh := &objectLegalHold{ }
if err = xml.NewDecoder(resp.Body).Decode(lh); err != nil {
  return nil, err
}

return &lh.Status, nil
}
```

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```

```
package spec
```

```
import (
    "encoding/json"
```

```
    "github.com/go-openapi/swagger"
)
```

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

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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"`

// 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
    }
    defer resp.Body.Close()

    if err := decodeBody(resp, &reply); err != nil {
        return nil, err
    }
}

```

```
return &reply, nil
```

```
}
```

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Squirrel

The Masterminds

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1.277 ohler55-ojg 1.12.9

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1.278 musl-utils 1.2.2-r7

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1.279 scanelf 1.3.3-r0

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1.280 go-openapi-spec 0.20.4

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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"}}
```

```

const licenseJSON = `{
  "name": "the name",
  "url": "the url",
  "x-license": "custom term"
}`

func TestIntegrationLicense(t
*testing.T) {

// const licenseYAML = "name: the name\nurl: the url\n"

b, err := json.MarshalIndent(license, "", "\t")
if assert.NoError(t, err) {
  assert.Equal(t, licenseJSON, string(b))
}

actual := License{}
err = json.Unmarshal([]byte(licenseJSON), &actual)
if assert.NoError(t, err) {
  assert.EqualValues(t, license, actual)
}
}

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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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1.281 lib-pq 1.10.4

1.281.1 Available under license :

```
//go:build go1.10
// +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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1.282 go-jmespath 0.4.0

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1.283 google-api-go-client 0.60.0

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1.284 otel-trace 1.2.0

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json_parse.js
2015-05-02
```

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*/

(By Douglas Crockford <douglas@crockford.com>)

For lib/cpp/src/thrift/windows/SocketPair.cpp

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*/

For lib/py/compat/win32/stdint.h

// ISO C9x compliant stdint.h for Microsoft Visual Studio

// Based on ISO/IEC 9899:TC2 Committee draft (May 6, 2005) WG14/N1124

//

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////////////////////////////////////
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in t_html_generator.h

* Bootstrap v2.0.3

*

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1.285 golang-genproto 0.0.0-20211118181313-81c1377c94b1

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1.286 ghodss-yaml 1.0.1-0.20190212211648-25d852aeb32

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1.287 uap-go 0.0.0-2021112212520-00c877edfe0f

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1.288 bash 5.1.16-r0

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1.293 common v0.32.1

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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"}}}

const licenseJSON = `{
    "name": "the name",
    "url": "the url",
    "x-license": "custom term"
}`

func TestIntegrationLicense(t
    *testing.T) {

    // const licenseYAML = "name: the name\nurl: the url\n"

    b, err := json.MarshalIndent(license, "", "\t")
    if assert.NoError(t, err) {
        assert.Equal(t, licenseJSON, string(b))
    }
}
```

```

actual := License{}
err = json.Unmarshal([]byte(licenseJSON), &actual)
if assert.NoError(t, err) {
    assert.EqualValues(t, license, actual)
}
}
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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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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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1.297 libretls 3.3.4-r3

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1.299 github.com/gchaincl/sqlhooks v1.3.0

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1.307 github.com/robfig/cron/v3 v3.0.1

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1.308 github.com/robfig/cron v0.0.0-20180505203441-b41be1df6967

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1.309 [gofrs-uuid](https://github.com/MaximBublis/gofrs-uuid) v4.0.0+incompatible

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1.310 xorm.io/core v0.7.3

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1.311 github.com/rainycape/unidecode v0.0.0-20150907023854-cb7f23ec59be

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1.312 httpsnoop v1.0.2

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1.313 go-grpc v0.0.0-20210225150812-73cb765af46e

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1.314 xorm.io/builder v0.3.6

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1.316 github.com/go-sourcemap/sourcemap v2.1.3+incompatible

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1.317 github.com/grafana/go-mssqldb v0.0.0-20210326084033-d0ce3c521036

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1.318 gopkg.in/ldap.v3 v3.1.0

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1.321 github.com/gosimple/slug v1.9.0

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1.326 github.com/linkedin/goavro/v2 v2.10.0

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1.327 github.com/teris-io/shortid v0.0.0-20171029131806-771a37caa5cf

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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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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in "src/lib/gssapi", including the following files:

- lib/gssapi/generic/gssapi_err_generic.et
- lib/gssapi/mechglue/g_accept_sec_context.c
- lib/gssapi/mechglue/g_acquire_cred.c
- lib/gssapi/mechglue/g_canon_name.c
- lib/gssapi/mechglue/g_compare_name.c
- lib/gssapi/mechglue/g_context_time.c
- lib/gssapi/mechglue/g_delete_sec_context.c
- lib/gssapi/mechglue/g_dsp_name.c
- lib/gssapi/mechglue/g_dsp_status.c
- lib/gssapi/mechglue/g_dup_name.c
- lib/gssapi/mechglue/g_exp_sec_context.c
- lib/gssapi/mechglue/g_export_name.c
- lib/gssapi/mechglue/g_glue.c
- lib/gssapi/mechglue/g_imp_name.c
- lib/gssapi/mechglue/g_imp_sec_context.c
- lib/gssapi/mechglue/g_init_sec_context.c
- lib/gssapi/mechglue/g_initialize.c
- lib/gssapi/mechglue/g_inquire_context.c
- lib/gssapi/mechglue/g_inquire_cred.c
- lib/gssapi/mechglue/g_inquire_names.c
- lib/gssapi/mechglue/g_process_context.c
- lib/gssapi/mechglue/g_rel_buffer.c
- lib/gssapi/mechglue/g_rel_cred.c
- lib/gssapi/mechglue/g_rel_name.c
- lib/gssapi/mechglue/g_rel_oid_set.c
- lib/gssapi/mechglue/g_seal.c
- lib/gssapi/mechglue/g_sign.c
- lib/gssapi/mechglue/g_store_cred.c
- lib/gssapi/mechglue/g_unseal.c
- lib/gssapi/mechglue/g_userok.c
- lib/gssapi/mechglue/g_utils.c

lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

and the initial implementation of incremental propagation, including the following new or changed files:

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

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*/
```

For lib/py/compat/win32/stdint.h

```
// ISO C9x compliant stdint.h for Microsoft Visual Studio
// Based on ISO/IEC 9899:TC2 Committee draft (May 6, 2005) WG14/N1124
//
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1.334 purell 1.1.1

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1.335 centrifugal-protocol 0.7.6

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1.336 segmentio-encoding 0.3.2

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1.337 go-kms 1.1.0

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1.338 go.mongodb.org-mongo-driver 1.7.0

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BSON library for Go

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1.339 aws-sdk-go 1.42.8

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1.343 deepmap-oapi-codegen 1.8.2

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1.344 apache-arrow-go-arrow 0.0.0-2021112161151-bc219186db40

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`cpp/src/arrow/vendored/datetime/ios.mm`,
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1.345 go-cache 2.1.0+incompatible

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1.346 groupcache 0.0.0-20210331224755-41bb18bfe9da

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1.347 golang-lru 0.5.4

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1.348 goprotobuf 1.5.2

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1.349 glob 0.2.3

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1.350 golang-protobuf-extensions 1.0.2-0.20181231171920-c182affec369

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1.351 logrus 1.8.1

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1.352 go-jose 2.5.1

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1.353 toml 0.3.1

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1.354 go-colorable 0.1.8

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1.355 color 1.10.0

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1.356 backoff 4.1.1

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1.357 libcom-err 1.46.4-r0

1.357.1 Available under license :

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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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Gadi Oxman, August 1995

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Version 2, June 1991

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(at your option) any later version.
```

```
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MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the  
GNU General Public License for more details.
```

```
You should have received a copy of the GNU General Public License  
along with this program; if not, write to the Free Software  
Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.
```

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

```
Gnomovision version 69, Copyright (C) 19yy name of author  
Gnomovision comes with ABSOLUTELY NO WARRANTY;  
for details type `show w'.  
This is free software, and you are welcome to redistribute it  
under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

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```
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'Gnomovision' (which makes passes at compilers) written by James Hacker.
```

<signature of Ty Coon>, 1 April 1989

Ty Coon, President of Vice

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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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```

```
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```

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This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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

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

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1.358 golang-jwt 4.2.0

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1.359 atomic 1.9.0

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1.360 v1-gonum 0.11.0

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1.361 zap 1.9.0

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1.362 x-sys 0.0.0-20220520151302-bc2c85ada10a

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1.363 google-go-cmp 0.5.8

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1.364 google-cloud-go 0.97.0

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```

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

```
package compute
```

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

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

```
var
```

```
newLicenseCodesClientHook clientHook
```

```
// LicenseCodesCallOptions contains the retry settings for each method of LicenseCodesClient.
```

```
type LicenseCodesCallOptions struct {
```

```
    Get []gax.CallOption
```

```

TestIamPermissions []gax.CallOption
}

// internalLicenseCodesClient is an interface that defines the methods available from Google Compute Engine API.
type internalLicenseCodesClient interface {
    Close() error
    setGoogleClientInfo(...string)
    Connection() *grpc.ClientConn
    Get(context.Context, *computepb.GetLicenseCodeRequest, ...gax.CallOption) (*computepb.LicenseCode, error)
    TestIamPermissions(context.Context, *computepb.TestIamPermissionsLicenseCodeRequest, ...gax.CallOption)
    (*computepb.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/"),
    internaloption.WithDefaultScopes(DefaultAuthScopes()),
}
}

//
// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *licenseCodesRESTClient) setGoogleClientInfo(keyval ...string) {
kv := append([]string{"gl-go", versionGo()}, keyval...)
kv = append(kv, "gpic", 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)
baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenseCodes/%v", req.GetProject(),
req.GetLicenseCode())

httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
if err != nil {
return nil, err
}

```

```

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

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

if err = googleapi.CheckResponse(httpRsp); err != nil {
    return nil, err
}

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

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

if err := unm.Unmarshal(buf, rsp); err != nil {
    return nil, maybeUnknownEnum(err)
}
return rsp, nil
}

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

    baseUrl, _ := url.Parse(c.endpoint)
    baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenseCodes/%v/testIamPermissions",

```

```

req.GetProject(), req.GetResource())

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

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

if err = googleapi.CheckResponse(httpRsp); err != nil {
    return nil, err
}

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

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

if err := unm.Unmarshal(buf, rsp); err != nil {
    return nil, maybeUnknownEnum(err)
}
return
rsp, nil
}
// Copyright 2021 Google LLC
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```

```

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// limitations under the License.

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

package compute

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

    gax "github.com/googleapis/gax-go/v2"
    "google.golang.org/api/googleapi"
    "google.golang.org/api/iterator"
    "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"
    "google.golang.org/protobuf/proto"
)

var
    newLicensesClientHook clientHook

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

// internalLicensesClient is an interface that defines the methods available from Google Compute Engine API.
type internalLicensesClient interface {
    Close() error
    setGoogleClientInfo(...string)
    Connection() *grpc.ClientConn
}

```

```

Delete(context.Context, *computepb.DeleteLicenseRequest, ...gax.CallOption) (*Operation, error)
Get(context.Context, *computepb.GetLicenseRequest, ...gax.CallOption)
(*computepb.License, error)
GetIamPolicy(context.Context, *computepb.GetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
error)
Insert(context.Context, *computepb.InsertLicenseRequest, ...gax.CallOption) (*Operation, error)
List(context.Context, *computepb.ListLicensesRequest, ...gax.CallOption) *LicenseIterator
SetIamPolicy(context.Context, *computepb.SetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
error)
TestIamPermissions(context.Context, *computepb.TestIamPermissionsLicenseRequest, ...gax.CallOption)
(*computepb.TestPermissionsResponse, error)
}

```

// LicensesClient is a client for interacting with Google Compute Engine API.

// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with method calls.

//

// The Licenses API.

type LicensesClient struct {

// The internal transport-dependent client.

internalClient internalLicensesClient

// The call options for this service.

CallOptions

*LicensesCallOptions

}

// Wrapper methods routed to the internal client.

// Close closes the connection to the API service. The user should invoke this when

// the client is no longer required.

```
func (c *LicensesClient) Close() error {
```

```
    return c.internalClient.Close()
```

```
}
```

// setGoogleClientInfo sets the name and version of the application in

// the `x-goog-api-client` header passed on each request. Intended for

// use by Google-written clients.

```
func (c *LicensesClient) setGoogleClientInfo(keyval ...string) {
```

```
    c.internalClient.setGoogleClientInfo(keyval...)
```

```
}
```

// Connection returns a connection to the API service.

//

// Deprecated.

```
func (c *LicensesClient) Connection() *grpc.ClientConn {
```

```
    return c.internalClient.Connection()
```

```
}
```



```

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

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

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

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

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

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

```

```

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

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

    // The http client.
    httpClient *http.Client

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

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

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

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

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

```

```

}

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

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *licensesRESTClient) Close() error {
    // Replace httpClient with nil to force cleanup.
    c.httpClient = nil
    return nil
}

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

// Delete deletes the specified
license. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace
images.
func (c *licensesRESTClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
    baseUrl, _ := url.Parse(c.endpoint)
    baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

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

    baseUrl.RawQuery = params.Encode()

    httpReq, err := http.NewRequest("DELETE", baseUrl.String(), nil)
    if err != nil {
        return nil, err
    }
    httpReq = httpReq.WithContext(ctx)
    // Set the headers

```

```

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

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

if err = googleapi.CheckResponse(httpRsp);
err != nil {
    return nil, err
}

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

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

if err := unm.Unmarshal(buf, rsp); err != nil {
    return nil, maybeUnknownEnum(err)
}
op := &Operation{proto: rsp}
return op, err
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners
// who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption)
(*computepb.License, error) {
    baseUrl, _ := url.Parse(c.endpoint)
    baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

    httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
    if err != nil {
        return nil, err
    }
    httpReq = httpReq.WithContext(ctx)
    // Set the headers
    for
    k, v := range c.xGoogMetadata {
        httpReq.Header[k] = v
    }

```

```

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

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

if err = googleapi.CheckResponse(httpRsp); err != nil {
    return nil, err
}

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

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

if err := unm.Unmarshal(buf, rsp); err != nil {
    return nil, maybeUnknownEnum(err)
}
return rsp, nil
}

// GetIamPolicy gets the access control policy for a resource. May be empty if no such policy or resource exists.
Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest,
opts ...gax.CallOption) (*computepb.Policy, error) {
    baseUrl,
    _ := url.Parse(c.endpoint)
    baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/getIamPolicy", req.GetProject(),
req.GetResource())

    params := url.Values{}
    if req != nil && req.OptionsRequestedPolicyVersion != nil {
        params.Add("optionsRequestedPolicyVersion", fmt.Sprintf("%v", req.GetOptionsRequestedPolicyVersion()))
    }

    baseUrl.RawQuery = params.Encode()

    httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
    if err != nil {
        return nil, err
    }
    httpReq = httpReq.WithContext(ctx)
    // Set the headers

```

```

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

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

if err = googleapi.CheckResponse(httpRsp); err != nil {
    return nil, err
}

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

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

if err := unm.Unmarshal(buf, rsp); err != nil {
    return nil, maybeUnknownEnum(err)
}
return rsp, nil
}

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-
party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
    m := protojson.MarshalOptions{ AllowPartial: true }
    body := req.GetLicenseResource()
    jsonReq, err := m.Marshal(body)
    if err != nil {
        return nil, err
    }

    baseUrl, _ := url.Parse(c.endpoint)
    baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())

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

```

```

baseUrl.RawQuery = params.Encode()

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

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

if err = googleapi.CheckResponse(httpRsp); err != nil {
return nil, err
}

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

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

if err := unm.Unmarshal(buf, rsp); err != nil {
return nil, maybeUnknownEnum(err)
}
op := &Operation{proto: rsp}
return op, err
}

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

```

```

it := &LicenseIterator{ }
req = proto.Clone(req).(*computepb.ListLicensesRequest)
unm := protojson.UnmarshalOptions{ AllowPartial: true, DiscardUnknown: true }
it.InternalFetch = func(pageSize int, pageToken string) ([]*computepb.License, string, error) {
    resp := &computepb.LicensesListResponse{ }
    if pageToken != "" {
        req.PageToken = proto.String(pageToken)
    }
    if pageSize > math.MaxInt32 {
        req.MaxResults = proto.Uint32(math.MaxInt32)
    } else if pageSize != 0 {
        req.MaxResults = proto.Uint32(uint32(pageSize))
    }
    baseUrl, _ := url.Parse(c.endpoint)
    baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses",
    req.GetProject())

    params := url.Values{ }
    if req != nil && req.Filter != nil {
        params.Add("filter", fmt.Sprintf("%v", req.GetFilter()))
    }
    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 {
        params.Add("pageToken", fmt.Sprintf("%v", req.GetPageToken()))
    }
    if req != nil && req.ReturnPartialSuccess != nil {
        params.Add("returnPartialSuccess", fmt.Sprintf("%v", req.GetReturnPartialSuccess()))
    }

    baseUrl.RawQuery = params.Encode()

    httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
    if err != nil {
        return nil, "", err
    }

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

    httpReq.Header["Content-Type"] = []string{"application/json"}
    httpRsp, err := c.httpClient.Do(httpReq)

```



```

if
err != nil {
    return nil, "", err
}
defer httpRsp.Body.Close()

if err = googleapi.CheckResponse(httpRsp); err != nil {
    return nil, "", err
}

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

unm.Unmarshal(buf, resp)
it.Response = resp
return resp.GetItems(), resp.GetNextPageToken(), nil
}

fetch := func(pageSize int, pageToken string) (string, error) {
    items, nextPageToken, err := it.InternalFetch(pageSize, pageToken)
    if err != nil {
        return "", err
    }
    it.items = append(it.items, items...)
    return nextPageToken, nil
}

it.pageInfo, it.nextFunc = iterator.NewPageInfo(fetch, it.bufLen, it.takeBuf)
it.pageInfo.MaxSize = int(req.GetMaxResults())
it.pageInfo.Token = req.GetPageToken()

return it
}

```

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.

```

func
(c *licensesRESTClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest, opts
...gax.CallOption) (*computepb.Policy, error) {
    m := protojson.MarshalOptions{AllowPartial: true}
    body := req.GetGlobalSetPolicyRequestResource()
    jsonReq, err := m.Marshal(body)
    if err != nil {
        return nil, err
    }
}

```

```

baseUrl, _ := url.Parse(c.endpoint)
baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/setIamPolicy", req.GetProject(),
req.GetResource())

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

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

if err = googleapi.CheckResponse(httpRsp); err != nil {
    return nil, err
}

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

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

if err := unm.Unmarshal(buf, rsp); err != nil {
    return nil, maybeUnknownEnum(err)
}
return rsp, nil
}

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

```

```

if err != nil {
    return nil, err
}

baseUrl, _ := url.Parse(c.endpoint)
baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/testIamPermissions", req.GetProject(),
req.GetResource())

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

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

if err = googleapi.CheckResponse(httpRsp); err != nil {
    return nil, err
}

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

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

if err := unm.Unmarshal(buf, rsp); err != nil {
    return nil, maybeUnknownEnum(err)
}
return rsp, nil
}

// LicenseIterator manages a stream of *computepb.License.
type LicenseIterator struct {
    items []*computepb.License
    pageInfo *iterator.PageInfo
    nextFunc func() error
}

```

```

//
Response is the raw response for the current page.
// It must be cast to the RPC response type.
// Calling Next() or InternalFetch() updates this value.
Response interface{ }

// InternalFetch is for use by the Google Cloud Libraries only.
// It is not part of the stable interface of this package.
//
// InternalFetch returns results from a single call to the underlying RPC.
// The number of results is no greater than pageSize.
// If there are no more results, nextPageToken is empty and err is nil.
InternalFetch func(pageSize int, pageToken string) (results []*computepb.License, nextPageToken string, err error)
}

// PageInfo supports pagination. See the google.golang.org/api/iterator package for details.
func (it *LicenseIterator) PageInfo() *iterator.PageInfo {
return it.pageInfo
}

// Next returns the next result. Its second return value is iterator.Done if there are no more
// results. Once Next returns Done, all subsequent calls will return Done.
func (it *LicenseIterator)
Next() (*computepb.License, error) {
var item *computepb.License
if err := it.nextFunc(); err != nil {
return item, err
}
item = it.items[0]
it.items = it.items[1:]
return item, nil
}

func (it *LicenseIterator) bufLen() int {
return len(it.items)
}

func (it *LicenseIterator) takeBuf() interface{} {
b := it.items
it.items = nil
return b
}
// Copyright 2021 Google LLC
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```

```

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// limitations under the License.

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

package compute_test

import (
    "context"

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

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

    // TODO: Use
    client.
    _ = c
}

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

    req := &computepb.GetLicenseCodeRequest{
        // TODO: Fill request struct fields.
        // See https://pkg.go.dev/google.golang.org/genproto/googleapis/cloud/compute/v1#GetLicenseCodeRequest.
    }
    resp, err := c.Get(ctx, req)
    if err != nil {
        // TODO: Handle error.
    }
}

```

```

}
// TODO: Use resp.
_ = resp
}

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

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

```

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package compute_test

import (
"context"

compute "cloud.google.com/go/compute/apiv1"

"google.golang.org/api/iterator"

```

compute pb "google.golang.org/genproto/googleapis/cloud/compute/v1"
)

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

    // TODO: Use client.
    _ = c
}

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

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

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

    req := &computepb.GetLicenseRequest{
        // TODO: Fill request struct fields.
        // See https://pkg.go.dev/google.golang.org/genproto/googleapis/cloud/compute/v1#GetLicenseRequest.
    }

```

```

resp, err := c.Get(ctx, req)
if err != nil {
    // TODO: Handle error.
}
// TODO: Use resp.
_ = resp
}

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

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

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

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

```

```

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

    req := &computepb.ListLicensesRequest{
        // TODO: Fill request struct fields.
        // See https://pkg.go.dev/google.golang.org/genproto/googleapis/cloud/compute/v1#ListLicensesRequest.
    }
    it := c.List(ctx, req)
    for {
        resp, err := it.Next()
        if err == iterator.Done {
            break
        }
        if err != nil {
            // TODO: Handle error.
        }
        // TODO: Use resp.
        _ = resp
    }
}

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

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

```

```

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

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

```

1.365 yaml v3.0.1

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1.366 google-go-cmp v0.5.8

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1.367 go-proxy 0.0.0-20220115173737- adb46da277ac

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1.368 vectordotdev-go-datemath 0.1.1-0.20220323213446-f3954d0b18ae

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1.369 magefile-mage 1.12.1

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1.370 chromedp-cdproto 0.0.0-20220208224320-6efb837e6bc2

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1.371 getkin-kin-openapi 0.94.0

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1.372 go-storage 1.18.2

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1.373 goleak 1.1.11-0.20210813005559-691160354723

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1.374 azuread-microsoft-authentication-library-for-go 0.4.0

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1.375 azure-sdk-for-go 59.3.0+incompatible

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1.376 libc-utils 0.7.2-r3

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1.377 logfmt 0.5.1

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1.378 x-net 0.0.0-20220624214902-1bab6f366d9e

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1.379 openssl 1.1.1q-r0

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Packaged: 2018-11-15 13:15:06 UTC; jeroen

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URL: <https://github.com/jeroen/openssl#readme>
BugReports: <https://github.com/jeroen/openssl/issues>
SystemRequirements:
 OpenSSL >= 1.0.1
 RoxygenNote: 6.1.1
 VignetteBuilder: knitr
Maintainer: Jeroen Ooms <jeroen@berkeley.edu>
Type: Package
Repository: CRAN
Version: 1.1
Suggests: testthat, digest, knitr, rmarkdown, jsonlite, jose
NeedsCompilation: yes
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Package: openssl
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1.380 ncurses 6.3_p20211120-r1

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-- \$Id: COPYING,v 1.10 2021/01/01 09:54:30 tom Exp \$
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1.381 x-sync 0.0.0-20220601150217-0de741cfad7f

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1.384 ca-certificates 20220614-r0

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1.388 go-immutable-radix 1.3.0

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1.394 xorm.io-xorm 0.8.3-0.20220614223926-2fcda7565af6

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1.395 ca-certificates-bundle 20220614-r0

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```
/* c_rehash.c - Create hash symlinks for certificates
 * C implementation based on the original Perl and shell versions
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1.396 github.com/mattermost/xml-roundtrip-validator v0.1.0

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1.397 russellhaering-goxmlds sig v1.1.1

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1.398 protobuf 1.27.1

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1.399 github.com/vectordotdev/go-datemath v0.1.1-0.20220323213446-f3954d0b18ae

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1.400 go-autorest v0.9.17

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1.401 mage v1.12.1

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1.402 github.com/centrifugal/protocol v0.7.6

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# that the other addresses should be recognized as the
# same person when interacting with Git.
```

```
# Please keep the list sorted.
```

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lib/erl/src/Makefile.am

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For the aclocal/ax_boost_base.m4 and contrib/fb303/aclocal/ax_boost_base.m4
components:

```
# Copyright (c) 2007 Thomas Porschberg <thomas@randspringer.de>
#
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```

For the lib/nodejs/lib/thrift/json_parse.js:

```
/*
  json_parse.js
  2015-05-02
  Public Domain.
  NO WARRANTY EXPRESSED OR IMPLIED. USE AT YOUR OWN RISK.

*/
(By Douglas Crockford <douglas@crockford.com>)
```

For lib/cpp/src/thrift/windows/SocketPair.cpp

```
/* socketpair.c
 * Copyright 2007 by Nathan C. Myers <ncm@cantrip.org>; some rights reserved.
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 * be retained, unchanged, in its entirety. If
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 * of copying or use, license is withheld.
 */
```

For lib/py/compat/win32/stdint.h

```
// ISO C9x compliantstdint.h for Microsoft Visual Studio
// Based on ISO/IEC 9899:TC2 Committee draft (May 6, 2005) WG14/N1124
//
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//
////////////////////////////////////
```

```
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Codegen template
in t_html_generator.h
```

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*
* Designed and built with all the love in the world @twitter by @mdo and @fat.
```

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For t_cl_generator.cc

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* `cpp/src/arrow/util/cpu-info.cc` has a polyfill for mingw-w64 < 5

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* `cpp/src/arrow/result.h` is based on `status_or.h`

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1.414 cortex v1.10.1-0.20211014125347-85c378182d0d

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1.415 goleak v1.1.11-0.20210813005559-691160354723

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1.418 github.com/grafana/saml v0.0.0-20211007135653-aed1b2edd86b

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1.419 cdproto v0.0.0-20220208224320-6efb837e6bc2

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1.420 gonum v0.11.0

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1.421 github.com/ua-parser/uap-go v0.0.0-20211112212520-00c877edfe0f

1.421.1 Available under license :

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1.422 google-golang-org-api v0.60.0

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1.423 github.com/golang-jwt/jwt

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1.424 github.com/azure/azure-sdk-for-go/sdk/keyvault/azkeys v0.4.0

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1.425

github.com/m3db/prometheus_remote_client_golang v0.4.4

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1.434 github.com/mna/redisc v1.3.2

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1.435 github.com/grafana/loki v1.6.2-

0.20211015002020-7832783b1caa

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A

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1.437 migrate v4.7.0

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1.438 github.com/influxdata/influxdb-client-go/v2 v2.6.0

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1.439 [redis](https://github.com/redis/redis) v8.11.4

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1.441 github.com/getkin/kin-openapi v0.94.0

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1.442 github.com/grafana/grafana-plugin-sdk-go v0.131.0

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1.443 units v0.0.0-20210912230133-d1bdfacee922

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1.444 github.com/centrifugal/centrifuge v0.19.0

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1.445 github.com/azure/azure-sdk-for-go/sdk/azidentity v0.13.2

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1.446 brotli v1.0.3

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1.447 github.com/dlclark/regexp2 v1.4.1-0.20201116162257-a2a8dda75c91

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1.448 github.com/grafana/grafana-aws-sdk v0.10.3

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1.449 github.com/azure/azure-sdk-for-go/sdk/azcore v0.22.0

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1.450 github.com/deepmap/oapi-codegen v1.8.2

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1.451 github.com/ohler55/ojg v1.12.9

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1.453 github.com/dop251/goja v0.0.0-20210804101310-32956a348b49

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1.454 github.com/azure/azure-sdk-for-go/sdk/internal v0.9.1

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first address should be used in the submit logs and
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same person when interacting with Git.

Please keep the list sorted.

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1.459 github.com/segmentio/encoding v0.3.2

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1.460 github.com/azuread/microsoft-authentication-library-for-go v0.4.0

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1.461 github.com/segmentio/asm v1.1.1

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1.464 azure-azure-sdk-for-go-sdk-keyvault-internal 0.2.1

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1.466 azure-azure-sdk-for-go-sdk-internal

0.9.1

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1.467 influxdata-influxdb-client-go 2.6.0

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1.468 azure-azure-sdk-for-go-sdk-azidentity

0.13.2

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1.469 grafana-grafana-azure-sdk-go 1.3.0

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1.471 x-text v0.3.7

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1.472 x-net v0.0.0-20220624214902-

1bab6f366d9e

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1.473 x-sys v0.0.0-20220520151302-

bc2c85ada10a

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1.474 libssl3 3.0.5-r3

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```
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```

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```
Gnomovision version 69, Copyright (C) 19xx name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

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```
Yoyodyne, Inc., hereby disclaims all copyright interest in the
program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.
```

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

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under certain conditions; type `show c' for details.
```

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```
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program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.
```

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

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```

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```
Yoyodyne, Inc., hereby disclaims all copyright interest in the  
program `Gnomovision' (a program to direct compilers to make passes  
at assemblers) written by James Hacker.
```

<signature of Ty Coon>, 1 April 1989

Ty Coon, President of Vice

That's all there is to it!

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1.477 x-sync v0.0.0-20220601150217-0de741cfad7f

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1.478 x-xerrors v0.0.0-20200804184101-5ec99f83aff1

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1.479 x-time v0.0.0-20220609170525-579cf78fd858

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1.480 go-autorest-logging 0.2.1

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1.481 tzdata 2022c-r0

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1.482 grafana-grafana-aws-sdk 0.10.3

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1.483 grafana-grafana-plugin-sdk-go 0.131.0

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lib/erl/src/Makefile.am

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For the aclocal/ax_boost_base.m4 and contrib/fb303/aclocal/ax_boost_base.m4 components:

```
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```

For the lib/nodejs/lib/thrift/json_parse.js:

```
/*
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  2015-05-02
  Public Domain.
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*/
(By Douglas Crockford <douglas@crockford.com>)
```

For lib/cpp/src/thrift/windows/SocketPair.cpp

```
/* socketpair.c
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```

*/

For lib/py/compat/win32/stdint.h

```
// ISO C9x compliant stdint.h for Microsoft Visual Studio
// Based on ISO/IEC 9899:TC2 Committee draft (May 6, 2005) WG14/N1124
//
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in t_html_generator.h

```
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```

*

* Designed and built with all the love in the world @twitter by @mdo and @fat.

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1.486 open-telemetry-opentelemetry-collector-contrib 1.2.0

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1.488 prometheus-client 0.2.0

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1.489 ncurses-libs 6.3_p20211120-r1

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1.490 github.com/grafana/grafana-azure-sdk-go v1.3.0

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1.491 github.com/grafana/grafana v0.0.0- 20221024185302-be4228db5a43

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1.513 semver v1.5.0

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1.515 protobuf v1.27.1

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1.523 uuid v1.3.0

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1.526 spew 1.1.1

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