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Format: <http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/>

Upstream-Name: dumb-init

Source: <https://github.com/Yelp/dumb-init/>

Files: *

Copyright:

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License: Expat

Files: debian/*

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Patch for Ubuntu bug #399071

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

Authors: Dustin Kirkland <kirkland@canonical.com>

Upstream status: Ubuntu-specific, maybe submit to Debian

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

```
-----  
--- pam.ubuntu.orig/modules/pam_motd/pam_motd.c  
+++ pam.ubuntu/modules/pam_motd/pam_motd.c  
@@ -73,6 +73,61 @@  
close(fd);  
}  
  
+int display_legal(pam_handle_t *pamh)  
+{  
+ int retval = PAM_IGNORE, rc;  
+ char *user = NULL;
```

```

+ char *dir = NULL;
+ char *flag = NULL;
+ struct passwd *pwd = NULL;
+ struct stat s;
+ int f;
+ /* Get the user name to determine if we need to print the disclaimer */
+ rc = pam_get_item(pamh, PAM_USER, &user);
+ if (rc == PAM_SUCCESS && user != NULL && *(const char *)user != '\0')
+ {
+     PAM_MODUTIL_DEF_PRIVS(privs);
+
+     /* Get the password entry */
+     pwd = pam_modutil_getpwnam (pamh, user);
+     if (pwd != NULL)
+     {
+         if (pam_modutil_drop_priv(pamh, &privs, pwd) {
+             pam_syslog(pamh, LOG_ERR,
+                 "Unable to change UID to %d temporarily\n",
+                 pwd->pw_uid);
+             retval = PAM_SESSION_ERR;
+             goto finished;
+         }
+
+         if (asprintf(&dir, "%s/.cache", pwd->pw_dir) == -1 || !dir)
+             goto finished;
+         if (asprintf(&flag, "%s/motd.legal-displayed", dir) == -1 || !flag)
+             goto finished;
+
+         if (stat(flag, &s) != 0)
+         {
+             display_file(pamh, "/etc/legal");
+             mkdir(dir, 0700);
+             f = open(flag, O_WRONLY|O_CREAT|O_EXCL,
+                 S_IRUSR|S_IWUSR|S_IRGRP|S_IROTH);
+             if (f>=0) close(f);
+         }
+
+     +finished:
+         if (pam_modutil_regain_priv(pamh, &privs)) {
+             pam_syslog(pamh, LOG_ERR,
+                 "Unable to change UID back to %d\n", privs.old_uid);
+             retval = PAM_SESSION_ERR;
+         }
+
+         _pam_drop(flag);
+         _pam_drop(dir);
+     }
+ }

```

```

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

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

```

This package was debianized by J.H.M. Dassen (Ray) jdassen@debian.org on
Wed, 23 Sep 1998 20:29:32 +0200.

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

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1.4 structs 1.1.0

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1.5 golang-glog v0.0.0-20160126235308-23def4e6c14b

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1.6 ubuntu-keyring 2018.09.18.1~18.04.0

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1.7 k8s-io-client-go v11.0.0+incompatible

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1.8 prometheus-client 0.2.0

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1.9 groupcache v0.0.0-20191227052852-215e87163ea7

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1.10 bzip2 1.0.6 8.1ubuntu0.2

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

1.11 libzstd 1.3.3+dfsg-2ubuntu1.1

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1.13 github.com/h2non/filetype v1.1.0

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1.14 zstd 1.3.3+dfsg 2ubuntu1.1

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1.19 base-passwd 3.5.44

1.19.1 Available under license :

Format-Specification: <http://svn.debian.org/wsvn/dep/web/deps/dep5.mdwn?op=file&rev=135>

Name: base-passwd

Maintainer: Colin Watson <cjwatson@debian.org>

Files: update-passwd.c, man/*

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Files: passwd.master, group.master

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X-Notes: Originally written by Ian Murdock <imurdock@debian.org> and

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Files: doc/*

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1.20 p11-kit 0.23.9-2

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1.21 golang-protobuf-extensions 1.0.1

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1.22 x-net v0.0.0-20200226121028-0de0ccea0169b

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1.23 logrus 1.5.0

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1.24 cpp 8.4.0-1ubuntu1~18.04

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1.25 lz4 0.0~r131 2ubuntu3

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Upstream-Contact: Yann Collet <Cyan4973@github.com>

Source: <https://github.com/lz4/lz4>

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1.26 debianutils 4.8.4

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1.27 prometheus-client 1.0.0

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1.28 golang 0.4.0

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1.29 procps 2:3.3.12-3ubuntu1.2

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1.30 controller-runtime v0.1.12

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1.31 go-cache 2.1.0+incompatible

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1.32 gnutls 3.5.18-1ubuntu1.4

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```
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under certain conditions; type `show c' for details.
```

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1.33 google-uuid 1.1.1

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Paul Borman <borman@google.com>

bmatsuo

shawnps

theory

jboverfelt

dsymonds

cd1

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1.35 dash 0.5.8 2.10

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1.36 purell 1.1.1

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1.38 rpc-codec v1.2.2

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1.40 mount 2.31.1-0.4ubuntu3.6

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lost+found...
```

```
;9GimCN7g
```

```
!"#$%&'()*+,-
./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^_`abcdefghijklmnopqrstuvwxyz{|}~
```

```
!"#$%&'()*+,-
./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^_`abcdefghijklmnopqrstuvwxyz{|}~
```

```
!"#$%&'()*+,-
./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^_`abcdefghijklmnopqrstuvwxyz{|}~
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@end enumerate

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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{year} @var{name of author}
```

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```
@end smallexample
```

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

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

```
@smallexample
```

```
@var{program} Copyright (C) @var{year} @var{name of author}
```

```
This program comes with ABSOLUTELY NO WARRANTY; for details type @samp{show w}.
```

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

```
@end smallexample
```

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Version 2.1, February 1999

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

That's all there is to it!  
DRuntime: Runtime Library for the D Programming Language

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Version 3.1, 31 March 2009

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=====

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

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hope is that this will lead to faster development of free libraries.

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A0mImImI...  
lost+found...

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1992-1997 Michael K. Johnson, johnsonm@redhat.com  
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2003, 2004, 2005, 2008 Theodore Ts'o <tytso@mit.edu>  
1994 Kevin E. Martin (martin@cs.unc.edu)  
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Theodore Ts'o.

2001 Andreas Dilger (adilger@turbolinux.com)

2004-2008 Kay Sievers <kay.sievers@vrfy.org>

2008-2013 Karel Zak <kzak@redhat.com>

2009 Bastian Friedrich <bastian.friedrich@collax.com>

2009 Corentin Chary <corentincj@iksaif.net>

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2010 Andrew Nayenko <resver@gmail.com>

2010 Jeroen Oortwijn <oortwijn@gmail.com>

2010 Jiro SEKIBA <jir@unicus.jp>

2011 Philipp Marek <philipp.marek@linbit.com>

2012 Milan Broz <mbroz@redhat.com>

2013 Alejandro Martinez Ruiz <alex@nowcomputing.com>

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@enumerate 0

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```
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## 1.47 selinux 2.7-2build2

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# 1.48 k8s-io-api v0.0.0-20190612125737- db0771252981

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## 1.55 kubernetes v1.13.0

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goproperties - properties file decoder for Go

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# Please keep the list sorted.

Alain Vongsouvanhalainv <alainv@google.com>  
Andrew Gerrand <adg@golang.org>  
Brad Fitzpatrick <bradfitz@golang.org>  
Eric Koleda <ekoleda+devrel@goglers.com>  
Francesc Campoy <campoy@golang.org>  
Garrick Evans <garrick@google.com>  
Glenn Lewis <gmlewis@google.com>  
Ivan Krasin <krasin@golang.org>  
Jason Hall <jasonhall@google.com>  
Johan Euphrosine <proppy@google.com>  
Kostik Shtoyk <kostik@google.com>  
Kunpei Sakai <namusyaka@gmail.com>  
Matthew Whisenhunt <matt.whisenhunt@gmail.com>  
Michael McGreevy <mcgreevy@golang.org>  
Nick Craig-Wood <nickcw@gmail.com>  
Robbie Trencheny <me@robbiet.us>  
Ross Light <light@google.com>  
Sarah Adams <shadams@google.com>  
Scott Van Woudenberg <scottvw@google.com>  
Takashi Matsuo <tmatsuo@google.com>  
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# Please keep the list sorted.

Aaron Jacobs <jacobsa@google.com> <aaronjjacobs@gmail.com>

Alex Reece <awreece@gmail.com>

David Symonds <dsymonds@golang.org>

Ryan Barrett <ryanb@google.com>

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Dave Cheney <dave@cheney.net>

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Ben Laurie <benl@google.com> <ben@links.org>  
Chris Kennelly <ckennelly@google.com> <ckennelly@ckennelly.com>  
David Drysdale <drysdale@google.com>  
Deyan Bektchiev <deyan.bektchiev@venafi.com> <deyan@bektchiev.net>  
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Joe Tsai <joetsai@digital-static.net>  
Kat Joyce <katjoyce@google.com>  
Katriel Cohn-Gordon <katriel.cohn-gordon@cybersecurity.ox.ac.uk>  
Kiril Nikolov <kiril.nikolov@venafi.com>  
Konrad Kraszewski <kraszewski@google.com> <laiquendir@gmail.com>  
Lal Cellier <lael.cellier@gmail.com>  
Linus Nordberg <linus@nordu.net>  
Mark Schloesser <ms@mwcollect.org>  
Nicholas Galbreath <nickg@client9.com>  
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Pascal Leroy <phl@google.com>  
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Paul Lietar <lietar@google.com>  
Pierre Phaneuf <pphaneuf@google.com>  
Rob Percival <robpercival@google.com>  
Rob Stradling <rob@comodo.com>  
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Ruslan Kovalov <ruslan.kovalyov@gmail.com>  
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```

```
package spec
```

```
// License information for the exposed API.
```

```
//
```

```
// For more information: http://goo.gl/8us55a#licenseObject
```

```
type License struct {
```

```
 Name string `json:"name,omitempty"`
```

```
 URL string `json:"url,omitempty"`
```

}

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# Names should be added to this file as:

# Name <email address>

Ainsley Escorce-Jones <ains@users.noreply.github.com>

Andy Hochhaus <hochhaus@users.noreply.github.com>

Antoine Pelisse <apelisse@gmail.com>

GinFungYJF <645116215@qq.com>

Ian Cottrell <ian.the.hat@gmail.com>

Jay Conrod <jayconrod@gmail.com>

Jeff Grafton <ixdy@users.noreply.github.com>

Jeff Hodges <jeff@somethingsimilar.com>

John Millikin <jmillikin@gmail.com>

Kristina <k.chodorow@gmail.com>

Melinda Lu <melinda@vSCO.co>

Paul Bethe <pbethe@google.com>

Peter McAlpine <peter@aoeu.ca>

Rodrigo Queiro <overdrigzed@gmail.com>

RS <sayrer@gmail.com>

Stefan Sakalik <stefan@improbable.io>

Tom Payne <twpayne@gmail.com>

Yuki Yogui Sonoda <yugui@yugui.jp>

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```
Andrew Brampton <brampton@gmail.com>
Brendan Tracey <tracey.brendan@gmail.com>
Bill Gray <wgray@gogray.com>
Bill Noon <noon.bill@gmail.com>
Chad Kunde <kunde21@gmail.com>
Chih-Wei Chang <bert.cwchang@gmail.com>
Chris Tessum <ctessum@gmail.com>
Dan Kortschak <dan.kortschak@adelaide.edu.au> <dan@kortschak.io>
Daniel Fireman <danielfireman@gmail.com>
David Samborski <bloggingarrow@gmail.com>
Davor Kapsa <davor.kapsa@gmail.com>
Egon Elbre <egonelbre@gmail.com>
Ekaterina Efimova <katerina.efimova@gmail.com>
Ethan Burns <burns.ethan@gmail.com>
Evert Lammerts <evert.lammerts@gmail.com>
Facundo Gaich <facugaich@gmail.com>
Fazlul Shahriar <fshahriar@gmail.com>
Francesc Campoy <campoy@golang.org>
Gustaf Johansson <gustaf@pinon.se>
Iakov Davydov <iakov.davydov@unil.ch>
Jalem Raj Rohit <jrajrohit33@gmail.com>
James Bell <james@stellentus.com>
James Bowman <james.edward.bowman@gmail.com>
James Holmes <32bitkid@gmail.com>
Janne Snabb <snabb@epipe.com>
Jeff Juozapaitis <jjjjuozap@email.arizona.edu>
Jeremy Atkinson <jchatkinson@gmail.com>
```

Jonas Kahler <jonas@derkahler.de>  
Jonathan J Lawlor <jonathan.lawlor@gmail.com>  
Jonathan Schroeder <jd.schroeder@gmail.com>  
Joseph Watson <jtwatson@linux-consulting.us>  
Josh Wilson <josh.craig.wilson@gmail.com>  
Julien Roland <juroland@gmail.com>  
Kent English <kent.english@gmail.com>  
Kevin C. Zimmerman <kevinczimmerman@gmail.com>  
Konstantin Shaposhnikov <k.shaposhnikov@gmail.com>  
Leonid Kneller <recondite.matter@gmail.com>  
Lyron Winderbaum <lyron.winderbaum@student.adelaide.edu.au>  
Matthieu Di Mercurio <matthieu.dimercurio@gmail.com>  
Max Halford <maxhalford25@gmail.com>  
MinJae Kwon <k239507@gmail.com>  
Or Rikon <rikonor@gmail.com>  
Pontus Melke <pontusmelke@gmail.com>  
Rene French  
Robin Eklind <r.eklind.87@gmail.com>  
Samuel Kelemen <Samuel@Kelemen.us>  
Sam Zaydel <szaydel@gmail.com>  
Scott Holden <scott@sshconnection.com>  
Sebastien Binet <seb.binet@gmail.com>  
Shawn Smith <shawnpsmith@gmail.com>  
Spencer Lyon <spencerlyon2@gmail.com>  
Steve McCoy <mccoyst@gmail.com>  
Takeshi Yoneda <cz.rk.t0415y.g@gmail.com>  
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package main

```

import (
 "strings"
)

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

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

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

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

```

```
}
}
for _, substring := range LegalFileSubstring {
 if strings.Contains(lowerfile, substring) {
 return true
 }
}
return false
}
}
Copyright (C) 2016 Trevor N. Suarez (Rican7)
```

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Alex A. Skinner

Andrew Tunnell-Jones

Ask Bjrn Hansen

Dave Cheney

Dusty Wilson

Marek Majkowski

Peter van Dijk

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Alex Sergeev

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David Symonds <dsymonds@golang.org>
Filippo Valsorda <hi@filippo.io>
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Luna Duclos <luna.duclos@palmstonegames.com>
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## PACKAGE

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

HTTP Content-Type Autonegotiation.

The functions in this package implement the behaviour specified in <http://www.w3.org/Protocols/rfc2616/rfc2616-sec14.html>

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## FUNCTIONS

func Negotiate(header string, alternatives []string) (content\_type string)  
Negotiate the most appropriate content\_type given the accept header  
and a list of alternatives.

func ParseAccept(header string) (accept []Accept)  
Parse an Accept Header string returning a sorted list  
of clauses

## TYPES

```
type Accept struct {
 Type, SubType string
 Q float32
 Params map[string]string
}
```

Structure to represent a clause in an HTTP Accept Header

## SUBDIRECTORIES

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#

Abhijeet Kasurde <akasurde@redhat.com>  
abrarshivani <abrarshivani@users.noreply.github.com>  
Adam Shannon <adamkshannon@gmail.com>  
akutz <sakutz@gmail.com>  
Alessandro Cortiana <alessandro.cortiana@gmail.com>  
Alex Bozhenko <alexbozhenko@fb.com>  
Alvaro Miranda <kikitux@gmail.com>  
amandahla <amanda.andrade@serpro.gov.br>  
Amanda H. L. de Andrade <amanda.andrade@serpro.gov.br>  
Amit Bathla <abathla@vmware.com>  
amit bezalel <amit.bezalel@hpe.com>  
Andrew Chin <andrew@andrewtchin.com>  
Anfernee Yongkun Gui <agui@vmware.com>  
aniketGslab <aniket.shinde@gslab.com>  
Arran Walker <arran.walker@zopa.com>  
Aryeh Weinreb <aryehweinreb@gmail.com>  
Austin Parker <aparker@appenda.com>  
Balu Dontu <bdontu@vmware.com>  
bastienbc <bastien.barbe.creuly@gmail.com>  
Bob Killen <killen.bob@gmail.com>  
Brad Fitzpatrick <bradfitz@golang.org>  
Bruce Downs <bruceadowns@gmail.com>  
Cdric Blomart <cblomart@gmail.com>  
Chris Marchesi <chrism@vancluevertech.com>  
Christian Hltje <docwhat@gerf.org>  
Clint Greenwood <cgreenwood@vmware.com>  
Danny Lockard <danny.lockard@banno.com>  
Dave Tucker <dave@dtucker.co.uk>  
Davide Agnello <dagnello@hp.com>  
David Stark <dave@davidstark.name>  
Deric Crago <deric.crago@gmail.com>  
Doug MacEachern <dougmac@vmware.com>  
Eloy Coto <eloy.coto@gmail.com>  
Eric Gray <egrays@vmware.com>  
Eric Yutao <eric.yutao@gmail.com>  
Erik Hollensbe <github@hollensbe.org>

Fabio Rapposelli <fabio@vmware.com>  
Faiyaz Ahmed <ahmedf@vmware.com>  
forkbomber <forkbomber@users.noreply.github.com>  
Gavin Gray <gavin@infinio.com>  
Gavrie Philipson <gavrie.philipson@elastifile.com>  
George Hicken <ghicken@vmware.com>  
Gerrit Renker <Gerrit.Renker@ctl.io>  
gthombare <gthombare@vmware.com>  
Hasan Mahmood <mahmoodh@vmware.com>  
Henrik Hodne <henrik@travis-ci.com>  
Isaac Rodman <isaac@eyz.us>  
Ivan Porto Carrero <icarrero@vmware.com>  
Jason Kincl <jkincl@gmail.com>  
Jeremy Canady <jcanady@jackhenry.com>  
jeremy-clerc <jeremy@clerc.io>  
Joo Pereira <joaodrp@gmail.com>  
Jorge Sevilla <jorge.sevilla@rstor.io>  
leslie-qiwa <leslie.qiwa@gmail.com>  
Louie Jiang <jiangl@vmware.com>  
Marc Carmier <mcarmier@gmail.com>  
Matthew Cosgrove <matthew.cosgrove@dell.com>  
Mevan Samaratunga <mevansam@gmail.com>  
Nicolas Lamirault <nicolas.lamirault@gmail.com>  
Omar Kohl <omarkohl@gmail.com>  
Parham Alvani <parham.alvani@gmail.com>  
Pieter Noordhuis <pnoordhuis@vmware.com>  
runner.mei <runner.mei@gmail.com>  
S.alar Onur <conur@vmware.com>  
Sergey Ignatov <sergey.ignatov@jetbrains.com>  
Steve Purcell <steve@sanityinc.com>  
Takaaki Furukawa <takaaki.frkw@gmail.com>  
tanishi <tanishi503@gmail.com>  
Ted Zlatanov <tzz@lifelogs.com>  
Thibaut Ackermann <thibaut.ackermann@alcatel-lucent.com>  
Trevor Dawe <trevor.dawe@gmail.com>  
Vadim Egorov <vegorov@vmware.com>  
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Protocol Buffers for Go with Gadgets

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ffjson

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BSON library for Go

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mgo - MongoDB driver for Go

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```

```
// Legal provides licensing info.
```

```
const Legal = `
```

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Paul Borman <borman@google.com>

bmatsuo

shawnps

theory

jboverfelt

dsymonds

cd1

wallclockbuilder

dansouza

# The list of people who have contributed code to the cmux repository.

#

# Auto-generated with:

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

#

Andreas Jaekle <andreas@jaekle.net>

Dmitri Shuralyov <shurcool@gmail.com>

Ethan Mosbaugh <emosbaugh@gmail.com>

Soheil Hassas Yeganeh <soheil.h.y@gmail.com>

Soheil Hassas Yeganeh <soheil@cs.toronto.edu>

Tamir Duberstein <tamir@cockroachlabs.com>

Tamir Duberstein <tamird@gmail.com>

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package simulator

import (

"github.com/vmware/govmomi/object"

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

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

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

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

```

)

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

type LicenseManager struct {
 mo.LicenseManager
}

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

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

 return m
}

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

for _, license := range m.Licenses {

```

```

if license.LicenseKey == req.LicenseKey {
 body.Res.Returnval = licenseInfo(license.LicenseKey, license.Labels)
 return body
}
}

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

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

return body
}

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

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

type LicenseAssignmentManager struct {
 mo.LicenseAssignmentManager
}

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

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

```

```

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

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

return body
}

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

 info.LicenseKey = key
 info.Labels = labels

 return info
}

```

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Feb, 2010

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=====

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#

# Names should be added to this file as:

# Name <email address>

Paul Bethe <pbethe@google.com>

Russ Cox <rsc@google.com>

Laurent Le Brun <laurentlb@google.com>

Justine Alexandra Roberts Tunney <jart@google.com>

Nilton Volpato <nilton@google.com>

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Anton Povarov <anton.povarov@gmail.com>

Brian Goff <cpuguy83@gmail.com>

Clayton Coleman <ccoleman@redhat.com>

Denis Smirnov <denis.smirnov.91@gmail.com>

DongYun Kang <ceram1000@gmail.com>

Dwayne Schultz <dschultz@pivotal.io>

Georg Apitz <gapitz@pivotal.io>

Gustav Paul <gustav.paul@gmail.com>

Johan Brandhorst <johan.brandhorst@gmail.com>

John Shahid <jvshahid@gmail.com>

John Tuley <john@tuley.org>

Laurent <laurent@adyoulike.com>

Patrick Lee <patrick@dropbox.com>

Roger Johansson <rogeralsing@gmail.com>

Sam Nguyen <sam.nguyen@sendgrid.com>

Sergio Arbo <serabe@gmail.com>

Stephen J Day <stephen.day@docker.com>

Tamir Duberstein <tamird@gmail.com>

Todd Eisenberger <teisenberger@dropbox.com>  
Tormod Erevik Lea <tormodlea@gmail.com>  
Vyacheslav Kim <kane@sendgrid.com>  
Walter Schulze <awalterschulze@gmail.com>  
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## 1.56 gophercloud 0.6.0

### 1.56.1 Available under license :

package RESOURCE

```
import (
 "github.com/gophercloud/gophercloud"
 "github.com/gophercloud/gophercloud/pagination"
)
```

```
// RESOURCE represents...
type Resource struct {
}
```

```
type commonResult struct {
 gophercloud.Result
```



```

}

// GetResult is the response from a Get operation. Call its Extract method
// to interpret it as a RESOURCE.
type GetResult struct {
 commonResult
}

// CreateResult is the response from a Create operation. Call its Extract method
// to interpret it as a RESOURCE.
type CreateResult struct {
 commonResult
}

// DeleteResult is the response from a Delete operation. Call its ExtractErr to
// determine if the request succeeded or failed.
type DeleteResult struct {
 gophercloud.ErrResult
}

// UpdateResult is the result of an Update request. Call its Extract method to
// interpret it as a RESOURCE.
type UpdateResult struct {
 commonResult
}

// ResourcePage is a single page of RESOURCE results.
type ResourcePage struct {
 pagination.LinkedPageBase
}

// IsEmpty determines whether or not a page of RESOURCES contains any results.
func (r ResourcePage) IsEmpty() (bool, error) {
 resources, err := ExtractResources(r)
 return len(resources) == 0, err
}

// NextPageURL extracts the "next" link from the links section of the result.
func (r ResourcePage) NextPageURL() (string, error) {
 var s struct {
 Links struct {
 Next string `json:"next"`
 Previous string `json:"previous"`
 } `json:"links"`
 }
 err := r.ExtractInto(&s)
 if err != nil {
 return "", err
 }
}

```

```

 }
 return s.Links.Next, err
}

// ExtractResources returns a slice of Resources contained in a single page of
// results.
func ExtractResources(r pagination.Page) ([]Resource, error) {
 var s struct {
 Resources []Resource `json:"resources"`
 }
 err := (r.(ResourcePage)).ExtractInto(&s)
 return s.Resources, err
}

// Extract interprets any commonResult as a Resource.
func (r commonResult) Extract() (*Resource, error) {
 var s struct {
 Resource *Resource `json:"resource"`
 }
 err := r.ExtractInto(&s)
 return s.Resource, err
}

```

## Contributor Tutorial

=====

This tutorial is to help new contributors become familiar with the processes used by the Gophercloud team when adding a new feature or fixing a bug.

While we have a defined process for working on Gophercloud, we're very mindful that everyone is new to this in the beginning. Please reach out for help or ask for clarification if needed. No question is ever "dumb" or not worth our time answering.

To begin, go to [Step 1](step-01-introduction.md).

### Step 5: Writing the Code

=====

At this point, you should have:

- [x] Identified a feature or bug fix
- [x] Opened an Issue about it
- [x] Located the project's service code which validates the feature or fix
- [x] Have an OpenStack environment available to test with

Now it's time to write the actual code! We recommend reading over the [CONTRIBUTING](/.github/CONTRIBUTING.md) guide again as a refresh. Notably the [Getting Started](/.github/CONTRIBUTING.md#getting-started) section will help you set up a `git` repository correctly.

We encourage you to browse the existing Gophercloud code to find examples of similar implementations. It would be a `_very_` rare occurrence for you to be implementing something that hasn't already been done.

Use the existing packages as templates and mirror the style, naming, and logic.

## Types of Pull Requests

-----

The amount of changes you plan to make will determine how much code you should submit as Pull Requests.

### ### A Single Bug Fix

If you're implementing a single bug fix, then creating one ``git`` branch and submitting one Pull Request is fine.

### ### Adding a Single Field

If you're adding a single field, then a single Pull Request is also fine. See [#662](https://github.com/gophercloud/gophercloud/pull/662) as an example of this.

If you plan to add more than one missing field, you will need to open a Pull Request for `_each_` field.

### ### Adding a Single API Call

Single API calls can also be submitted as a single Pull Request. See [#722](https://github.com/gophercloud/gophercloud/pull/722) as an example of this.

### ### Adding a Suite of API Calls

If you're adding support for a "suite" of API calls (meaning: Create, Update, Delete, Get), then you will need to create one Pull Request for `_each_` call.

The following Pull Requests are good examples of how to do this:

- \* <https://github.com/gophercloud/gophercloud/pull/584>
- \* <https://github.com/gophercloud/gophercloud/pull/586>
- \* <https://github.com/gophercloud/gophercloud/pull/587>
- \* <https://github.com/gophercloud/gophercloud/pull/594>

You can also use the provided [template](/docs/contributor-tutorial/.template) as it contains a lot of the repeated boiler plate code seen in each resource.

However, please make sure to thoroughly review and edit it as needed. Leaving templated portions in-place might be interpreted as rushing through the work and will require further rounds of review to fix.

### ### Adding an Entire OpenStack Project

To add an entire OpenStack project, you must break each set of API calls into individual Pull Requests. Implementing an entire project can be thought of as implementing multiple API suites.

An example of this can be seen from the Pull Requests referenced in [#723](https://github.com/gophercloud/gophercloud/issues/723).

### What to Include in a Pull Request

-----

Each Pull Request should contain the following:

1. The actual Go code to implement the feature or bug fix
2. Unit tests
3. Acceptance tests
4. Documentation

Whether you want to bundle all of the above into a single commit or multiple commits is up to you. Use your preferred style.

### ### Unit Tests

Unit tests should provide basic validation that your code works as intended.

Please do not use JSON fixtures from the API reference documentation. Please generate your own fixtures using the OpenStack environment you're [testing](step-04-acceptance-testing.md) with.

### ### Acceptance Tests

Since unit tests are not run against an actual OpenStack environment, acceptance tests can arguably be more important. The acceptance tests that you include in your Pull Request should confirm that your implemented code works as intended with an actual OpenStack environment.

### ### Documentation

All documentation in Gophercloud is done through in-line ``godoc``. Please make sure to document all fields, functions, and methods appropriately. In addition, each package has a ``doc.go`` file which should be created or amended with details of your Pull Request, where appropriate.

## Dealing with Related Pull Requests

-----

If you plan to open more than one Pull Request, it's only natural that code from one Pull Request will be dependent on code from the prior Pull Request.

There are two methods of handling this:

### ### Create Independent Pull Requests

With this method, each Pull Request has all of the code to fully implement the code in question. Each Pull Request can be merged in any order because it's self contained.

Use the following `git` workflow to implement this method:

```
```shell
$ git checkout master
$ git pull
$ git checkout -b identityv3-regions-create
$ (write your code)
$ git add .
$ git commit -m "Implementing Regions Create"

$ git checkout master
$ git checkout -b identityv3-regions-update
$ (write your code)
$ git add .
$ git commit -m "Implementing Regions Update"
```
```

Advantages of this Method:

- \* Pull Requests can be merged in any order
- \* Additional commits to one Pull Request are independent of other Pull Requests

Disadvantages of this Method:

- \* There will be a lot of duplicate code in each Pull Request
- \* You will have to rebase all other Pull Requests and resolve a good amount of merge conflicts.

### ### Create a Chain of Pull Requests

With this method, each Pull Request is based off of a previous Pull Request. Pull Requests will have to be merged in a specific order since there is a defined relationship.

Use the following `git` workflow to implement this method:

```
```shell
$ git checkout master
$ git pull
$ git checkout -b identityv3-regions-create
$ (write your code)
$ git add .
$ git commit -m "Implementing Regions Create"

$ git checkout -b identityv3-regions-update
$ (write your code)
$ git add .
$ git commit -m "Implementing Regions Update"
```
```

Advantages of this Method:

\* Each Pull Request becomes smaller since you are building off of the last

Disadvantages of this Method:

\* If a Pull Request requires changes, you will have to rebase `_all_ child` Pull Requests based off of the parent.

The choice of method is up to you.

---

Once you have your code written, submit a Pull Request to Gophercloud and proceed to [Step 6](step-06-code-review.md).

Step 6: Code Review

=====

Once you've submitted a Pull Request, three things will happen automatically:

1. Travis-CI will run a set of simple tests:
  - a. Unit Tests
  - b. Code Formatting checks
  - c. `go vet` checks
2. Coveralls will run a coverage test.
3. [OpenLab](https://openlabtesting.org/) will run acceptance tests.

Depending on the results of the above, you might need to make additional

changes to your code.

While you're working on the finishing touches to your code, it is helpful to add a ``[wip]`` tag to the title of your Pull Request.

You are most welcomed to take as much time as you need to work on your Pull Request. As well, take advantage of the automatic testing that is done to each commit.

#### ### Travis-CI

If Travis reports code formatting issues, please make sure to run ``gofmt`` on all of your code. Travis will also report errors with unit tests, so you should ensure those are fixed, too.

#### ### Coveralls

If Coveralls reports a decrease in test coverage, check and make sure you have provided unit tests. A decrease in test coverage is `_sometimes_` unavoidable and ignorable.

#### ### OpenLab

OpenLab does not yet run a full suite of acceptance tests, so it's possible that the acceptance tests you've included were not run. When this happens, a core member for Gophercloud will run the tests manually.

There are times when a core reviewer does not have access to the resources required to run the acceptance tests. When this happens, it is essential that you've run them yourself (See [Step 4](step-04.md)).

#### Request a Code Review

-----

When you feel your Pull Request is ready for review, please leave a comment requesting a code review. If you don't explicitly ask for a code review, a core member might not know the Pull Request is ready for review.

Additionally, if there are parts of your implementation that you are unsure about, please ask for help. We're more than happy to provide advice.

During the code review process, a core member will review the code you've submitted and either request changes or request additional information.

Generally these requests fall under the following categories:

1. Code which needs to be reformatted (See our [Style Guide](/docs/STYLEGUIDE.md) for conventions used.

2. Requests for additional information about the validity of something. This might happen because the included supporting service code URLs don't have enough information.
3. Missing unit tests or acceptance tests.

### Submitting Changes

-----

If a code review requires changes to be submitted, please do not squash your commits. Please only add new commits to the Pull Request. This is to help the code reviewer see only the changes that were made.

### It's Never Personal

-----

Code review is a healthy exercise where a new set of eyes can sometimes spot items forgotten by the author.

Please don't take change requests personally. Our intention is to ensure the code is correct before merging.

---

Once the code has been reviewed and approved, a core member will merge your Pull Request.

Please proceed to [Step 7](step-07-congratulations.md).  
package testing

```
import (
 "fmt"
 "net/http"
 "testing"

 "github.com/gophercloud/gophercloud/openstack/service/vN/resources"
 th "github.com/gophercloud/gophercloud/testhelper"
 "github.com/gophercloud/gophercloud/testhelper/client"
)

// ListResult provides a single page of RESOURCE results.
const ListResult = `
{
}
`

// GetResult provides a Get result.
const GetResult = `
```



```

{
}
`

// CreateRequest provides the input to a Create request.
const CreateRequest = `
{
}
`

// UpdateRequest provides the input to as Update request.
const UpdateRequest = `
{
}
`

// UpdateResult provides an update result.
const UpdateResult = `
{
}
`

// FirstResource is the first resource in the List request.
var FirstResource = resources.Resource{ }

// SecondResource is the second resource in the List request.
var SecondResource = resources.Resource{ }

// SecondResourceUpdated is how SecondResource should look after an Update.
var SecondResourceUpdated = resources.Resource{ }

// ExpectedResourcesSlice is the slice of resources expected to be returned from ListResult.
var ExpectedResourcesSlice = []resources.Resource{FirstResource, SecondResource}

// HandleListResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that responds with a list of two resources.
func HandleListResourceSuccessfully(t *testing.T) {
th.Mux.HandleFunc("/resources", func(w http.ResponseWriter, r *http.Request) {
th.TestMethod(t, r, "GET")
th.TestHeader(t, r, "Accept", "application/json")
th.TestHeader(t, r, "X-Auth-Token", client.TokenID)

w.Header().Set("Content-Type", "application/json")
w.WriteHeader(http.StatusOK)
fmt.Fprintf(w, ListResult)
})
}

```

```

// HandleGetResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that responds with a single resource.
func HandleGetResourceSuccessfully(t *testing.T) {
 th.Mux.HandleFunc("/resources/9fe1d3", func(w http.ResponseWriter, r *http.Request) {
 th.TestMethod(t, r, "GET")
 th.TestHeader(t, r, "Accept", "application/json")
 th.TestHeader(t, r, "X-Auth-Token", client.TokenID)

 w.Header().Set("Content-Type", "application/json")
 w.WriteHeader(http.StatusOK)
 fmt.Fprintf(w, GetResult)
 })
}

```

```

// HandleCreateResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that tests resource creation.
func HandleCreateResourceSuccessfully(t *testing.T) {
 th.Mux.HandleFunc("/resources", func(w http.ResponseWriter, r *http.Request) {
 th.TestMethod(t, r, "POST")
 th.TestHeader(t, r, "X-Auth-Token", client.TokenID)
 th.TestJSONRequest(t, r, CreateRequest)

 w.WriteHeader(http.StatusCreated)
 fmt.Fprintf(w, GetResult)
 })
}

```

```

// HandleDeleteResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that tests resource deletion.
func HandleDeleteResourceSuccessfully(t *testing.T) {
 th.Mux.HandleFunc("/resources/9fe1d3", func(w http.ResponseWriter, r *http.Request) {
 th.TestMethod(t, r, "DELETE")
 th.TestHeader(t, r, "X-Auth-Token", client.TokenID)

 w.WriteHeader(http.StatusNoContent)
 })
}

```

```

// HandleUpdateResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that tests resource update.
func HandleUpdateResourceSuccessfully(t *testing.T) {
 th.Mux.HandleFunc("/resources/9fe1d3", func(w http.ResponseWriter, r *http.Request) {
 th.TestMethod(t, r, "PATCH")
 th.TestHeader(t, r, "X-Auth-Token", client.TokenID)
 th.TestJSONRequest(t, r, UpdateRequest)

 w.WriteHeader(http.StatusOK)
 fmt.Fprintf(w, UpdateResult)
 })
}

```

```

 })
 }
package RESOURCE

import (
 "github.com/gophercloud/gophercloud"
 "github.com/gophercloud/gophercloud/pagination"
)

// ListOptsBuilder allows extensions to add additional parameters to
// the List request
type ListOptsBuilder interface {
 ToResourceListQuery() (string, error)
}

// ListOpts provides options to filter the List results.
type ListOpts struct {
}

// ToResourceListQuery formats a ListOpts into a query string.
func (opts ListOpts) ToResourceListQuery() (string, error) {
 q, err := gophercloud.BuildQueryString(opts)
 return q.String(), err
}

// List retrieves a list of RESOURCES.
func List(client *gophercloud.ServiceClient, opts ListOptsBuilder) pagination.Pager {
 url := listURL(client)
 if opts != nil {
 query, err := opts.ToResourceListQuery()
 if err != nil {
 return pagination.Pager{Err: err}
 }
 url += query
 }
 return pagination.NewPager(client, url, func(r pagination.PageResult) pagination.Page {
 return ResourcePage{pagination.LinkedPageBase{PageResult: r}}
 })
}

// Get retrieves details of a RESOURCE.
func Get(client *gophercloud.ServiceClient, id string) (r GetResult) {
 _, r.Err = client.Get(getURL(client, id), &r.Body, nil)
 return
}

// CreateOptsBuilder allows extensions to add additional parameters to
// the Create request.

```

```

type CreateOptsBuilder interface {
 ToResourceCreateMap() (map[string]interface{}, error)
}

// CreateOpts provides options used to create a RESOURCE.
type CreateOpts struct {
}

// ToResourceCreateMap formats a CreateOpts into a create request.
func (opts CreateOpts) ToResourceCreateMap() (map[string]interface{}, error) {
 return gophercloud.BuildRequestBody(opts, "resource")
}

// Create creates a new RESOURCE.
func Create(client *gophercloud.ServiceClient, opts CreateOptsBuilder) (r CreateResult) {
 b, err := opts.ToResourceCreateMap()
 if err != nil {
 r.Err = err
 return
 }
 _, r.Err = client.Post(createURL(client), &b, &r.Body, &gophercloud.RequestOpts{
 OkCodes: []int{201},
 })
 return
}

// Delete deletes a RESOURCE.
func Delete(client *gophercloud.ServiceClient, id string) (r DeleteResult) {
 _, r.Err = client.Delete(deleteURL(client, id), nil)
 return
}

// UpdateOptsBuilder allows extensions to add additional parameters to
// the Update request.
type UpdateOptsBuilder interface {
 ToResourceUpdateMap() (map[string]interface{}, error)
}

// UpdateOpts represents parameters to update a RESOURCE.
type UpdateOpts struct {
}

// ToUpdateCreateMap formats a UpdateOpts into an update request.
func (opts UpdateOpts) ToResourceUpdateMap() (map[string]interface{}, error) {
 return gophercloud.BuildRequestBody(opts, "resource")
}

// Update modifies the attributes of a RESOURCE.

```

```

func Update(client *gophercloud.ServiceClient, id string, opts UpdateOptsBuilder) (r UpdateResult) {
 b, err := opts.ToResourceUpdateMap()
 if err != nil {
 r.Err = err
 return
 }
 _, r.Err = client.Patch(updateURL(client, id), b, &r.Body, &gophercloud.RequestOpts{
 OkCodes: []int{200},
 })
 return
}
package testing

```

```

import (
 "testing"

 "github.com/gophercloud/gophercloud/openstack/service/vN/resources"
 "github.com/gophercloud/gophercloud/pagination"
 th "github.com/gophercloud/gophercloud/testhelper"
 "github.com/gophercloud/gophercloud/testhelper/client"
)

```

```

func TestListResources(t *testing.T) {
 th.SetupHTTP()
 defer th.TeardownHTTP()
 HandleListResourcesSuccessfully(t)

 count := 0
 err := resources.List(client.ServiceClient(), nil).EachPage(func(page pagination.Page) (bool, error) {
 count++
 })

 actual, err := resources.ExtractResources(page)
 th.AssertNoErr(t, err)

 th.AssertDeepEquals(t, ExpectedResourcesSlice, actual)

 return true, nil
}
th.AssertNoErr(t, err)
th.AssertEquals(t, count, 1)
}

```

```

func TestListResourcesAllPages(t *testing.T) {
 th.SetupHTTP()
 defer th.TeardownHTTP()
 HandleListResourcesSuccessfully(t)

 allPages, err := resources.List(client.ServiceClient(), nil).AllPages()

```

```

th.AssertNoErr(t, err)
actual, err := resources.ExtractResources(allPages)
th.AssertNoErr(t, err)
th.AssertDeepEquals(t, ExpectedResourcesSlice, actual)
}

func TestGetResource(t *testing.T) {
th.SetupHTTP()
defer th.TearDownHTTP()
HandleGetResourceSuccessfully(t)

actual, err := resources.Get(client.ServiceClient(), "9fe1d3").Extract()
th.AssertNoErr(t, err)
th.AssertDeepEquals(t, SecondResource, *actual)
}

func TestCreateResource(t *testing.T) {
th.SetupHTTP()
defer th.TearDownHTTP()
HandleCreateResourceSuccessfully(t)

createOpts := resources.CreateOpts{
Name: "resource two",
}

actual, err := resources.Create(client.ServiceClient(), createOpts).Extract()
th.AssertNoErr(t, err)
th.AssertDeepEquals(t, SecondResource, *actual)
}

func TestDeleteResource(t *testing.T) {
th.SetupHTTP()
defer th.TearDownHTTP()
HandleDeleteResourceSuccessfully(t)

res := resources.Delete(client.ServiceClient(), "9fe1d3")
th.AssertNoErr(t, res.Err)
}

func TestUpdateResource(t *testing.T) {
th.SetupHTTP()
defer th.TearDownHTTP()
HandleUpdateResourceSuccessfully(t)

updateOpts := resources.UpdateOpts{
Description: "Staging Resource",
}

```

```
actual, err := resources.Update(client.ServiceClient(), "9fe1d3", updateOpts).Extract()
th.AssertNoErr(t, err)
th.AssertDeepEquals(t, SecondResourceUpdated, *actual)
}
```

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package RESOURCE

```
import "github.com/gophercloud/gophercloud"

func listURL(client *gophercloud.ServiceClient) string {
 return client.ServiceURL("resource")
}

func getURL(client *gophercloud.ServiceClient, id string) string {
 return client.ServiceURL("resource", id)
}

func createURL(client *gophercloud.ServiceClient) string {
 return client.ServiceURL("resource")
}

func deleteURL(client *gophercloud.ServiceClient, id string) string {
 return client.ServiceURL("resource", id)
}

func updateURL(client *gophercloud.ServiceClient, id string) string {
 return client.ServiceURL("resource", id)
}
```

Step 7: Congratulations!

=====

At this point your code is merged and you've either fixed a bug or added a new feature to Gophercloud!

We completely understand that this has been a long process. We appreciate your patience as well as the time you have taken for working on this. You've made Gophercloud a better project with your work.

Step 4: Acceptance Testing

=====

If we haven't started working on the feature or bug fix, why are we talking about Acceptance Testing now?

Before you implement a feature or bug fix, you must be able to test your code in a working OpenStack environment. Please do not submit code which you have only tested with offline unit tests.

Blindly submitting code is dangerous to the Gophercloud project. Developers from all over the world use Gophercloud in many different projects. If you submit code which is untested, it can cause these projects to break or become

unstable.

And, to be frank, submitting untested code will inevitably cause someone else to have to spend time fixing it.

If you don't have an OpenStack environment to test with, we have lots of documentation [here](/acceptance) to help you build your own small OpenStack environment for testing.

---

Once you've confirmed you are able to test your code, proceed to [Step 5](step-05-pull-requests.md) to (finally!) start working on a Pull Request.

/\*

Package NAME manages and retrieves RESOURCE in the OpenStack SERVICE Service.

Example to List RESOURCE

Example to Create a RESOURCE

Example to Update a RESOURCE

Example to Delete a RESOURCE

\*/

package RESOURCE

Step 2: Create an Issue

=====

Every patch / Pull Request requires a corresponding issue. If you're fixing a bug for an existing issue, then there's no need to create a new issue.

However, if no prior issue exists, you must create an issue.

Reporting a Bug

-----

When reporting a bug, please try to provide as much information as you can.

The following issues are good examples for reporting a bug:

\* <https://github.com/gophercloud/gophercloud/issues/108>

\* <https://github.com/gophercloud/gophercloud/issues/212>

\* <https://github.com/gophercloud/gophercloud/issues/424>

\* <https://github.com/gophercloud/gophercloud/issues/588>

\* <https://github.com/gophercloud/gophercloud/issues/629>

\* <https://github.com/gophercloud/gophercloud/issues/647>

## Feature Request

-----

If you've noticed that a feature is missing from Gophercloud, you'll also need to create an issue before doing any work. This is to start a discussion about whether or not the feature should be included in Gophercloud. We don't want to see you put in hours of work only to learn that the feature is out of scope of the project.

Feature requests can come in different forms:

### ### Adding a Feature to Gophercloud Core

The "core" of Gophercloud is the code which supports API requests and responses: pagination, error handling, building request bodies, and parsing response bodies are all examples of core code.

Modifications to core will usually have the most amount of discussion than other requests since a change to core will affect *\_all\_* of Gophercloud.

The following issues are examples of core change discussions:

- \* <https://github.com/gophercloud/gophercloud/issues/310>
- \* <https://github.com/gophercloud/gophercloud/issues/613>
- \* <https://github.com/gophercloud/gophercloud/issues/729>
- \* <https://github.com/gophercloud/gophercloud/issues/713>

### ### Adding a Missing Field

If you've found a missing field in an existing struct, submit an issue to request having it added. These kinds of issues are pretty easy to report and resolve.

You should also provide a link to the actual service's Python code which defines the missing field.

The following issues are examples of missing fields:

- \* <https://github.com/gophercloud/gophercloud/issues/620>
- \* <https://github.com/gophercloud/gophercloud/issues/621>
- \* <https://github.com/gophercloud/gophercloud/issues/658>

There's one situation which can make adding fields more difficult: if the field is part of an API extension rather than the base API itself. An example of this can be seen in [this](<https://github.com/gophercloud/gophercloud/issues/749>) issue.

Here, a user reported fields missing in the `Get` function of `networking/v2/networks`. The fields reported missing weren't missing at all, they're just part of various Networking extensions located in `networking/v2/extensions`.

### ### Adding a Missing API Call

If you've found a missing API action, create an issue with details of the action. For example:

- \* <https://github.com/gophercloud/gophercloud/issues/715>
- \* <https://github.com/gophercloud/gophercloud/issues/719>

You'll want to make sure the API call is part of the upstream OpenStack project and not an extension created by a third-party or vendor. Gophercloud only supports the OpenStack projects proper.

### ### Adding a Missing API Suite

Adding support to a missing suite of API calls will require more than one Pull Request. However, you can use a single issue for all PRs.

Examples of issues which track the addition of a missing API suite are:

- \* <https://github.com/gophercloud/gophercloud/issues/539>
- \* <https://github.com/gophercloud/gophercloud/issues/555>
- \* <https://github.com/gophercloud/gophercloud/issues/571>
- \* <https://github.com/gophercloud/gophercloud/issues/583>
- \* <https://github.com/gophercloud/gophercloud/issues/605>

Note how the issue breaks down the implementation by request types (Create, Update, Delete, Get, List).

Also note how these issues provide links to the service's Python code. These links are not required for `_issues_`, but it's usually a good idea to provide them, anyway. These links `_are required_` for PRs and that will be covered in detail in a later step of this tutorial.

### ### Adding a Missing OpenStack Project

These kinds of feature additions are large undertakings. Adding support for an entire OpenStack project is something the Gophercloud team very much appreciates, but you should be prepared for several weeks of work and interaction with the Gophercloud team.

An example of how to create an issue for an entire project can be seen here:

\* <https://github.com/gophercloud/gophercloud/issues/723>

---

With all of the above in mind, proceed to [Step 3](step-03-code-hunting.md) to learn about Code Hunting.

### Step 3: Code Hunting

=====

If you plan to submit a feature or bug fix to Gophercloud, you must be able to prove your code correctly works with the OpenStack service in question.

Let's use the following issue as an example:

[<https://github.com/gophercloud/gophercloud/issues/621>](<https://github.com/gophercloud/gophercloud/issues/621>).

In this issue, there's a request being made to add support for

`availability\_zone\_hints` to the `networking/v2/networks` package.

Meaning, we want to change:

```
```go
type Network struct {
    ID      string `json:"id"`
    Name    string `json:"name"`
    AdminStateUp bool `json:"admin_state_up"`
    Status  string `json:"status"`
    Subnets []string `json:"subnets"`
    TenantID string `json:"tenant_id"`
    Shared  bool `json:"shared"`
}
```
```

to look like

```
```go
type Network struct {
    ID      string `json:"id"`
    Name    string `json:"name"`
    AdminStateUp bool `json:"admin_state_up"`
    Status  string `json:"status"`
    Subnets []string `json:"subnets"`
    TenantID string `json:"tenant_id"`
    Shared  bool `json:"shared"`

    AvailabilityZoneHints []string `json:"availability_zone_hints"`
}
```
```

We need to be sure that `availability_zone_hints` is a field which really does exist in the OpenStack Neutron project and it's not a field which was added as a customization to a single OpenStack cloud.

In addition, we need to ensure that `availability_zone_hints` is really a `[]string` and not a different kind of type.

One way of verifying this is through the [OpenStack API reference documentation](https://developer.openstack.org/api-ref/network/v2/). However, the API docs might either be incorrect or they might not provide all of the details we need to know in order to ensure this field is added correctly.

> Note: when we say the API docs might be incorrect, we are *not* implying  
> that the API docs aren't useful or that the contributors who work on the API  
> docs are wrong. OpenStack moves fast. Typos happen. Forgetting to update  
> documentation happens.

Since the OpenStack service itself correctly accepts and processes the fields, the best source of information on how the field works is in the service code itself.

Continuing on with using #621 as an example, we can find the definition of `availability_zone_hints` in the following piece of code:

```
https://github.com/openstack/neutron/blob/8e9959725eda4063a318b4ba6af1e3494cad9e35/neutron/objects/network.py#L191
```

The above code confirms that `availability_zone_hints` is indeed part of the `Network` object and that its type is a list of strings (`[]string`).

This example is a best-case situation: the code is relatively easy to find and it's simple to understand. However, there will be times when proving the implementation in the service code is difficult. Make no mistake, this is *not* fun work. This can sometimes be more difficult than writing the actual patch for Gophercloud. However, this is an essential step to ensuring the feature or bug fix is correctly added to Gophercloud.

Examples of good code hunting can be seen here:

- \* <https://github.com/gophercloud/gophercloud/issues/539>
- \* <https://github.com/gophercloud/gophercloud/issues/555>
- \* <https://github.com/gophercloud/gophercloud/issues/571>
- \* <https://github.com/gophercloud/gophercloud/issues/583>
- \* <https://github.com/gophercloud/gophercloud/issues/605>

Code Hunting Tips

-----



OpenStack projects differ from one to another. Code is organized in different ways. However, the following tips should be useful across all projects.

- \* The logic which implements Create and Delete actions is usually either located in the "model" or "controller" portion of the code.

- \* Use Github's search box to search for the exact field you're working on. Review all results to gain a good understanding of everywhere the field is used.

- \* When adding a field, look for an object model or a schema of some sort.

---

Proceed to [Step 4](step-04-acceptance-testing.md) to learn about Acceptance Testing.

Step 1: Read Our Guides

=====

There are two introductory guides you should read before proceeding:

- \* [CONTRIBUTING](/.github/CONTRIBUTING.md): The Contributing guide is a detailed document which describes the different ways you can contribute to Gophercloud and how to get started. This tutorial you're reading is very similar to that guide, but presented in a different way. We still recommend you read it over.

- \* [STYLE](/docs/STYLEGUIDE.md): The Style Guide documents coding conventions used in the Gophercloud project.

---

When you've finished reading those guides, proceed to [Step 2](step-02-issues.md).

## 1.57 gax-go v2.0.4

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```

package cmd

```
func initBsdClause2() {
 Licenses["frebsd"] = License{
 Name: "Simplified BSD License",
 PossibleMatches: []string{"frebsd", "simpbsd", "simple bsd", "2-clause bsd",
 "2 clause bsd", "simplified bsd license"},
 Header: `All rights reserved.`
 }
}
```

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`  
`  
}  
}

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package cmd

```
func initBsdClause3() {
Licenses["bsd"] = License{
 Name: "NewBSD",
 PossibleMatches: []string{"bsd", "newbsd", "3 clause bsd", "3-clause bsd"},
 Header: `All rights reserved.
```

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```
`
}
}
```

```
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```

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```

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```

```
package cmd
```

```
func initGpl2() {
```

```
 Licenses["gpl2"] = License{
```

```
 Name: "GNU General Public License 2.0",
```

```
 PossibleMatches: []string{"gpl2", "gnu gpl2", "gplv2"},
```

```
 Header: `
```

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```

```
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```

```
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 Licenses["gpl3"] = License{
 Name: "GNU General Public License 3.0",
 PossibleMatches: []string{"gpl3", "gplv3", "gpl", "gnu gpl3", "gnu gpl"},
 Header: `
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```
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```
`
}
}
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package cmd

import (
 "strings"
 "time"

 "github.com/spf13/viper"
)

// Licenses contains all possible licenses a user can choose from.
var Licenses = make(map[string]License)

// License represents a software license agreement, containing the Name of
// the license, its possible matches (on the command line as given to cobra),
// the header to be used with each file on the file's creating, and the text
// of the license
type License struct {
 Name string // The type of license in use
 PossibleMatches []string // Similar names to guess
 Text string // License text data
```



```

Header string // License header for source files
}

func init() {
// Allows a user to not use a license.
Licenses["none"] = License{"None", []string{"none", "false"}, "", ""}

initApache2()
initMit()
initBsdClause3()
initBsdClause2()
initGpl2()
initGpl3()
initLgpl()
initAgpl()
}

// getLicense returns license specified by user in flag or in config.
// If user didn't specify the license, it returns Apache License 2.0.
//
// TODO: Inspect project for existing license
func getLicense() License {
// If explicitly flagged, use that.
if userLicense != "" {
return findLicense(userLicense)
}

// If user wants to have custom license, use that.
if viper.IsSet("license.header") || viper.IsSet("license.text") {
return License{Header: viper.GetString("license.header"),
Text: viper.GetString("license.text")}
}

// If user wants to have built-in license, use that.
if viper.IsSet("license") {
return findLicense(viper.GetString("license"))
}

// If user didn't set any license, use Apache 2.0 by default.
return Licenses["apache"]
}

func copyrightLine() string {
author := viper.GetString("author")

year := viper.GetString("year") // For tests.
if year == "" {
year = time.Now().Format("2006")
}
}

```

```

}

return "Copyright " + year + " " + author
}

// findLicense looks for License object of built-in licenses.
// If it didn't find license, then the app will be terminated and
// error will be printed.
func findLicense(name string) License {
 found := matchLicense(name)
 if found == "" {
 er("unknown license: " + name)
 }
 return Licenses[found]
}

// matchLicense compares the given a license name
// to PossibleMatches of all built-in licenses.
// It returns blank string, if name is blank string or it didn't find
// then appropriate match to name.
func matchLicense(name string) string {
 if name == "" {
 return ""
 }
}

for key, lic := range Licenses {
 for _, match := range lic.PossibleMatches {
 if strings.EqualFold(name, match) {
 return key
 }
 }
}

return ""
}
package cmd

func initLgpl() {
 Licenses["lgpl"] = License{
 Name: "GNU Lesser General Public License",
 PossibleMatches: []string{"lgpl", "lesser gpl", "gnu lgpl"},
 Header: `
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Version 3, 29 June 2007

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}

}

package cmd

```
func initAgpl() {
```

```
 Licenses["agpl"] = License{
```

```
 Name: "GNU Affero General Public License",
```

```
 PossibleMatches: []string{"agpl", "affero gpl", "gnu agpl"},
```

```
 Header: `
```

```
This program is free software: you can redistribute it and/or modify
it under the terms of the GNU Affero General Public License as published by
the Free Software Foundation, either version 3 of the License, or
(at your option) any later version.
```

```
This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU Affero General Public License for more details.
```

```
You should have received a copy of the GNU Affero General Public License
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```

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```

```
package cmd
```

```
func initApache2() {
```

```
 Licenses["apache"] = License{
```

```
 Name: "Apache 2.0",
```

```
 PossibleMatches: []string{"apache", "apache20", "apache 2.0", "apache2.0", "apache-2.0"},
```

```
 Header: `
```

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}
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```

```
package cmd
```

```
func initMit() {
```

```
 Licenses["mit"] = License{
```

```
 Name: "MIT License",
```

```
 PossibleMatches: []string{"mit"},
```

```
 Header: `
```

```
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Upstream-Name: LSB implementation package

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## 1.65 perl 5.26.1 6ubuntu0.3

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

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---

abstract: 'Build and install Perl modules'

author:

- 'Ken Williams <kwilliams@cpan.org>'

- "Development questions, bug reports, and patches should be sent to the\nModule-Build mailing list at <module-build@perl.org>."

build\_requires:

File::Temp: 0.15

Test::Harness: 3.16

Test::More: 0.49

generated\_by: 'Module::Build version 0.3608'

license: gpl

meta-spec:

url: <http://module-build.sourceforge.net/META-spec-v1.4.html>

version: 1.4

name: Module-Build

resources:

MailingList: <mailto:module-build@perl.org>

license: <http://dev.perl.org/licenses/>

repository: <http://github.com/dagolden/module-build/>

version: 3

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```

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```

```
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```

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```

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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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```
<one line to give the program's name and a brief idea of what it does.>
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```

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```
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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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The End

#!perl

=head1 NAME

copyright.t

=head1 DESCRIPTION

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

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

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

=cut

use strict;

use Config;

BEGIN { require './test.pl' }

```

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

my ($opt) = @ARGV;

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

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

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

done_testing;

sub readme_year
returns the latest copyright year from the top-level README file
{

 open my $readme, '<', './README' or die "Opening README failed: $!";

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

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

 $year;
}

sub v_year
returns the latest copyright year shown in perl -v
{

```



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

$year;
}
```

## 1.66 libgmp 2:6.1.2+dfsg-2

## 1.67 readline 8.1.0

### 1.67.1 Available under license :

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```
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```

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

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

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

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## 1.71 libpamg 1.1.8-3.6ubuntu2.18.04.1

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Patch for Ubuntu bug #399071

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

Authors: Dustin Kirkland <kirkland@canonical.com>

Upstream status: Ubuntu-specific, maybe submit to Debian

Index: pam.ubuntu/modules/pam\_motd/pam\_motd.c

```

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

+int display_legal(pam_handle_t *pamh)
+{
+ int retval = PAM_IGNORE, rc;
+ char *user = NULL;
+ char *dir = NULL;
+ char *flag = NULL;
+ struct passwd *pwd = NULL;
+ struct stat s;
+ int f;
+ /* Get the user name to determine if we need to print the disclaimer */
+ rc = pam_get_item(pamh, PAM_USER, &user);
+ if (rc == PAM_SUCCESS && user != NULL && *(const char *)user != '\0')
+ {
+ PAM_MODUTIL_DEF_PRIVS(privs);
+
+ /* Get the password entry */
```

```

+ pwd = pam_modutil_getpwnam (pamh, user);
+ if (pwd != NULL)
+ {
+ if (pam_modutil_drop_priv(pamh, &privs, pwd) {
+ pam_syslog(pamh, LOG_ERR,
+ "Unable to change UID to %d temporarily\n",
+ pwd->pw_uid);
+ retval = PAM_SESSION_ERR;
+ goto finished;
+ }
+
+ if (asprintf(&dir, "%s/.cache", pwd->pw_dir) == -1 || !dir)
+ goto finished;
+ if (asprintf(&flag, "%s/motd.legal-displayed", dir) == -1 || !flag)
+ goto finished;
+
+ if (stat(flag, &s) != 0)
+ {
+ display_file(pamh, "/etc/legal");
+ mkdir(dir, 0700);
+ f = open(flag, O_WRONLY|O_CREAT|O_EXCL,
+ S_IRUSR|S_IWUSR|S_IRGRP|S_IROTH);
+ if (f>=0) close(f);
+ }
+
+finished:
+ if (pam_modutil_regain_priv(pamh, &privs)) {
+ pam_syslog(pamh, LOG_ERR,
+ "Unable to change UID back to %d\n", privs.old_uid);
+ retval = PAM_SESSION_ERR;
+ }
+
+ _pam_drop(flag);
+ _pam_drop(dir);
+ }
+ }
+ return retval;
+ }
+
PAM_EXTERN
int pam_sm_open_session(pam_handle_t *pamh, int flags,
 int argc, const char **argv)
@@ -116,6 +171,9 @@
 /* Display the updated motd */
 display_file(pamh, motd_path);

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

```

```
+
return retval;
}
```

This package was debianized by J.H.M. Dassen (Ray) jdassen@debian.org on  
Wed, 23 Sep 1998 20:29:32 +0200.

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

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## 1.72 go-grpc-prometheus 1.2.0

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Version 2.0, January 2004

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## 1.73 libcom-err 1.44.1-1ubuntu1.3

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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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system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were  
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It is part of the main e2fsprogs distribution, which can be found at:

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

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:  
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#

# This is a Makefile stub which handles the creation of BSD shared  
# libraries.

#

# In order to use this stub, the following makefile variables must be defined.

#

```

BSDLIB_VERSION = 1.0
BSDLIB_IMAGE = libce
BSDLIB_MYDIR = et
BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#

all:: image

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

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

image: $(BSD_LIB)

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

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

install-strip: install

install-shlibs-strip: install-shlibs

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

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

```

This is the Debian GNU/Linux prepackaged version of the Common Error Description library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:  
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repository from the development branch, please contact me  
(tytso@mit.edu) before you ship. The release schedules for this  
package are flexible, if you give me enough lead time.

Theodore Ts'o  
23-June-2007

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```

```
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src/udev/udev-builtin-net\_id.c  
src/udev/udev-builtin-net\_setup\_link.c  
src/udev/udev-builtin-hwdb.c  
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## 1.92 pam 1.1.8-3.6ubuntu2.18.04.1

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Patch for Ubuntu bug #399071

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

Authors: Dustin Kirkland <kirkland@canonical.com>

Upstream status: Ubuntu-specific, maybe submit to Debian

Index: pam.ubuntu/modules/pam\_motd/pam\_motd.c

```

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

+int display_legal(pam_handle_t *pamh)
+{
+ int retval = PAM_IGNORE, rc;
+ char *user = NULL;
+ char *dir = NULL;
+ char *flag = NULL;
+ struct passwd *pwd = NULL;
+ struct stat s;
+ int f;
+ /* Get the user name to determine if we need to print the disclaimer */
+ rc = pam_get_item(pamh, PAM_USER, &user);
+ if (rc == PAM_SUCCESS && user != NULL && *(const char *)user != '\0')
+ {
+ PAM_MODUTIL_DEF_PRIVS(privs);
+
+ /* Get the password entry */
+ pwd = pam_modutil_getpwnam (pamh, user);
+ if (pwd != NULL)
+ {
+ if (pam_modutil_drop_priv(pamh, &privs, pwd)) {
+ pam_syslog(pamh, LOG_ERR,
+ "Unable to change UID to %d temporarily\n",
+ pwd->pw_uid);
+ }
+ }
+ }
+ }
```

```

+ retval = PAM_SESSION_ERR;
+ goto finished;
+ }
+
+ if (asprintf(&dir, "%s/.cache", pwd->pw_dir) == -1 || !dir)
+ goto finished;
+ if (asprintf(&flag, "%s/motd.legal-displayed", dir) == -1 || !flag)
+ goto finished;
+
+ if (stat(flag, &s) != 0)
+ {
+ display_file(pamh, "/etc/legal");
+ mkdir(dir, 0700);
+ f = open(flag, O_WRONLY|O_CREAT|O_EXCL,
+ S_IRUSR|S_IWUSR|S_IRGRP|S_IROTH);
+ if (f>=0) close(f);
+ }
+
+finished:
+ if (pam_modutil_regain_priv(pamh, &privs)) {
+ pam_syslog(pamh, LOG_ERR,
+ "Unable to change UID back to %d\n", privs.old_uid);
+ retval = PAM_SESSION_ERR;
+ }
+
+ _pam_drop(flag);
+ _pam_drop(dir);
+ }
+ }
+ return retval;
+ }
+
+ PAM_EXTERN
+ int pam_sm_open_session(pam_handle_t *pamh, int flags,
+ int argc, const char **argv)
+ @@ -116,6 +171,9 @@
+ /* Display the updated motd */
+ display_file(pamh, motd_path);
+
+ /* Display the legal disclaimer only if necessary */
+ retval = display_legal(pamh);
+
+ return retval;
+ }

```

This package was debianized by J.H.M. Dassen (Ray) jdassen@debian.org on Wed, 23 Sep 1998 20:29:32 +0200.

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

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## 1.93 sprig 3.0.2

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## 1.94 gnutls 3.5.18-1ubuntu1.4

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## 1.95 go-colorable 0.1.2

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# 1.96 libsemanage-common 2.7-2build2

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

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Version 2.1, February 1999

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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{year} @var{name of author}
```

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```
@end smallexample
```

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

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

```
@smallexample
```

```
@var{program} Copyright (C) @var{year} @var{name of author}
```

```
This program comes with ABSOLUTELY NO WARRANTY; for details type @samp{show w}.
```

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

```
@end smallexample
```

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@c man end

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That's all there is to it!  
DRuntime: Runtime Library for the D Programming Language

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Version 3.1, 31 March 2009

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## 1.103 shadow 4.5 1ubuntu2

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## 1.104 libncurses 6.1-1ubuntu1.18.04

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## 1.109 adduser 3.116ubuntu1

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Since May 20 2000, it is maintained by Roland Bauerschmidt <rb@debian.org>.



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1992 A. V. Le Blanc (LeBlanc@mcc.ac.uk)

1992-1997 Michael K. Johnson, johnsonm@redhat.com

1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002,  
2003, 2004, 2005, 2008 Theodore Ts'o <tytso@mit.edu>  
1994 Kevin E. Martin (martin@cs.unc.edu)  
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2011 Philipp Marek <philipp.marek@linbit.com>  
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src/udev/udev-builtin.c  
src/udev/udev-builtin-net\_id.c  
src/udev/udev-builtin-net\_setup\_link.c  
src/udev/udev-builtin-hwdb.c  
src/udev/udev-builtin-btrfs.c  
src/udev/udev-builtin-keyboard.c  
src/udev/net/link-config.h  
src/udev/net/link-config.c  
src/udev/net/ethtool-util.c  
src/udev/net/ethtool-util.h

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## 1.115 Isb 9.20170808ubuntu1

### 1.115.1 Available under license :

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Upstream-Name: LSB implementation package

Files: \*

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Files: `init-functions.d/50-ubuntu-logging`

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License: GPL-2

Files: `init-functions`

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## 1.116 libext2fs 1.44.1-1ubuntu1.3

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

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Index: tdbsa/tdb.c

=====

--- tdbsa.orig/tdb.c

+++ tdbsa/tdb.c

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

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

\*/

/\*

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

- trivial database library - private includes

-

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

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

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#

# This is a Makefile stub which handles the creation of BSD shared libraries.

#

# In order to use this stub, the following makefile variables must be defined.

#

# BSDLIB\_VERSION = 1.0

# BSDLIB\_IMAGE = libce

# BSDLIB\_MYDIR = et

# BSDLIB\_INSTALL\_DIR = \$(SHLIBDIR)

#

all:: image

real-subdirs:: Makefile

@echo " MKDIR pic"

@mkdir -p pic

BSD\_LIB = \$(BSDLIB\_IMAGE).so.\$(BSDLIB\_VERSION)

BSDLIB\_PIC\_FLAG = -fpic

image: \$(BSD\_LIB)

\$(BSD\_LIB): \$(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)

This is the Debian GNU/Linux prepackaged version of the Common Error Description library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

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Theodore Ts'o  
23-June-2007

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```
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@c ispell-local-pdict: "ispell-dict"  
@c End:

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Version 3, 29 June 2007

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

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The of the start-stop-daemon



- \* A rewrite of the original Debian's start-stop-daemon Perl script
- \* in C (faster - it is executed many times during system startup).
- \*
- \* Written by Marek Michalkiewicz <marekm@i17linuxb.ists.pwr.wroc.pl>,
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# 1.121 bzip2 1.0.6-8.1ubuntu0.2

## 1.121.1 Available under license :

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# 1.122 libaudit-common 1:2.8.2-1ubuntu1

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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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## 1.124 procps 3.3.12-3ubuntu1.2

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## 1.126 errors 0.8.1

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

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---

abstract: 'Build and install Perl modules'

author:

- 'Ken Williams <kwilliams@cpan.org>'

- "Development questions, bug reports, and patches should be sent to the\nModule-Build mailing list at <module-build@perl.org>."

build\_requires:

File::Temp: 0.15

Test::Harness: 3.16

Test::More: 0.49

generated\_by: 'Module::Build version 0.3608'

license: gpl

meta-spec:

url: <http://module-build.sourceforge.net/META-spec-v1.4.html>

version: 1.4

name: Module-Build

resources:

MailingList: <mailto:module-build@perl.org>

license: <http://dev.perl.org/licenses/>

repository: <http://github.com/dagolden/module-build/>

version: 3

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```

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```
Gnomovision version 69, Copyright (C) 19xx name of author
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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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```
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!
#!perl
```

```
=head1 NAME
```

```
copyright.t
```

```
=head1 DESCRIPTION
```

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

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

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

```
=cut
```

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

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

my ($opt) = @ARGV;

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

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

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

done_testing;

sub readme_year
returns the latest copyright year from the top-level README file
{

 open my $readme, '<', './README' or die "Opening README failed: $!";

 # The copyright message is the first paragraph:
 local $/ = ";
```



```

my $copyright_msg = <$readme>;

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

$year;
}

sub v_year
returns the latest copyright year shown in perl -v
{

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

$year;
}

```

## 1.129 pflag 1.0.3

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arch-tag: d4250e44-a0e0-4ee0-adb9-2bd74f6eeb27

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```

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```

```
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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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```

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

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## 1.134 init-system-helpers 1.51

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## 1.135 base-files 10.1ubuntu2.9

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```
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```

```
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```
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## 1.138 reflectwalk 1.0.0

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# 1.142 grep 3.1 2build1

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Anton Povarov <anton.povarov@gmail.com>

Brian Goff <cpuguy83@gmail.com>

Clayton Coleman <ccoleman@redhat.com>

Denis Smirnov <denis.smirnov.91@gmail.com>

DongYun Kang <ceram1000@gmail.com>

Dwayne Schultz <dschultz@pivotal.io>

Georg Apitz <gapitz@pivotal.io>

Gustav Paul <gustav.paul@gmail.com>

Johan Brandhorst <johan.brandhorst@gmail.com>

John Shahid <jvshahid@gmail.com>

John Tuley <john@tuley.org>

Laurent <laurent@adyoulike.com>

Patrick Lee <patrick@dropbox.com>

Peter Edge <peter.edge@gmail.com>

Roger Johansson <rogersaling@gmail.com>

Sam Nguyen <sam.nguyen@sendgrid.com>

Sergio Arbo <serabe@gmail.com>

Stephen J Day <stephen.day@docker.com>

Tamir Duberstein <tamird@gmail.com>

Todd Eisenberger <teisenberger@dropbox.com>

Tormod Erevik Lea <tormodlea@gmail.com>

Vyacheslav Kim <kane@sendgrid.com>

Walter Schulze <awalterschulze@gmail.com>

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Protocol Buffers for Go with Gadgets

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

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<https://github.com/golang/protobuf>

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## 1.144 mergo 0.3.7

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```
import: ../../../../fossene/db/schema/thing.yml
```

```
fields:
```

```
 site: string
```

```
 author: root
```

## 1.145 x-crypto v0.0.0-20200622213623-75b288015ac9

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75dpi-courB14-IL2.bdf 75dpi-courR12.bdf 75dpi-courR12c.bdf  
75dpi-courR12-IL2.bdf 75dpi-courR14.bdf 75dpi-courR14c.bdf  
75dpi-courR14-IL2.bdf

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```
== 100dpi-lutBS10.bdf 100dpi-lutBS10-IL2.bdf 100dpi-lutBS08.bdf
 100dpi-lutBS08-IL2.bdf 100dpi-lutBS12-IL2.bdf
 100dpi-lutBS14-IL2.bdf 100dpi-lutBS14.bdf 100dpi-lutBS19-IL2.bdf
 100dpi-lutRS10.bdf 100dpi-lutRS10-IL2.bdf 100dpi-lutRS08.bdf
 100dpi-lutRS08-IL2.bdf 100dpi-lutRS14-IL2.bdf 100dpi-lutRS14.bdf
 100dpi-lutRS19-IL2.bdf 75dpi-lutBS12.bdf 75dpi-lutBS12c.bdf
 75dpi-lutBS12-IL2.bdf 75dpi-lutBS14.bdf 75dpi-lutBS14c.bdf
 75dpi-lutBS14-IL2.bdf 75dpi-lutRS12.bdf 75dpi-lutRS12c.bdf
 75dpi-lutRS12-IL2.bdf 75dpi-lutRS14.bdf 75dpi-lutRS14c.bdf
 75dpi-lutRS14-IL2.bdf
```

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legacy10c.bdf, legacy10d.bdf, legacy12a.bdf, legacy12b.bdf,  
legacy12c.bdf, legacy12d.bdf, legacy14a.bdf, legacy14b.bdf,  
legacy14c.bdf, legacy14d.bdf, legacy14e.bdf, legacy14f.bdf,  
legacy14g.bdf, legacy14h.bdf, legacy14i.bdf, legacy14j.bdf,  
legacy14k.bdf, legacy14l.bdf, legacy16a.bdf, legacy16b.bdf,

legacy16c.bdf, legacy16d.bdf, legacy16e.bdf, legacy16f.bdf,  
legacy16g.bdf, legacy16h.bdf, legacy16i.bdf, legacy16j.bdf,  
legacy16k.bdf, legacy16l.bdf, legacy16m.bdf, legacy19a.bdf,  
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A list of the supported algorithms, their origins and licenses (from the manual):

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AES

The implementation of the AES cipher (also known as rijndael) is written by Rafael Sevilla. Assembler for x86 by Rafael Sevilla and Niels Mller, Sparc assembler by Niels Mller. Released under the LGPL.

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## ARCFOUR

The implementation of the ARCFOUR (also known as RC4) cipher is written by Niels Miller. Released under the LGPL.

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## CAMELLIA

The C implementation is by Nippon Telegraph and Telephone Corporation (NTT), heavily modified by Niels Miller. Assembler for x86 and x86\_64 by Niels Miller. Released under the LGPL.

## CAST128

The implementation of the CAST128 cipher is written by Steve Reid. Released into the public domain.

## DES

The implementation of the DES cipher is written by Dana L. How, and released under the LGPL.

## MD2

The implementation of MD2 is written by Andrew Kuchling, and hacked some by Andreas Sigfridsson and Niels Miller. Python Cryptography Toolkit license (essentially public domain).

## MD4

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## MD5

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## SHA1

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## SHA224, SHA256, SHA384, and SHA512

Written by Niels Mller, using Peter Gutmann's SHA1 code as a model. Released under the LGPL.

## TWOFISH

The implementation of the TWOFISH cipher is written by Ruud de Rooij. Released under the LGPL.

## RSA

Written by Niels Mller, released under the LGPL. Uses the GMP library for bignum operations.

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 */
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# 1.159 ncurses 6.1-1ubuntu1.18.04

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This is the Debian prepackaged version of the `ncurses` library and `terminfo` utilities. `ncurses/terminfo` was originally written by Pavel Curtis and Zeyd M. Ben-Halim <zmbenhal@netcom.com>, and is currently held by the Free Software Foundation.

This package was put together by Vaidhyanathan G Mayilrangam <vaidhy@debian.org> and Joel Klecker <espy@debian.org>, using sources obtained from `ftp://ftp.gnu.org/gnu/ncurses/ncurses-5.0.tar.gz`.

Current versions of the `ncurses` sources are found at `ftp://invisible-island.net/ncurses/`.

It is based somewhat on work done by Bruce Perens <Bruce@Pixar.com>, David Engel <david@elo.ods.com>. Michael Alan Dorman <mdorman@debian.org>, Richard Braakman <dark@xs4all.nl>, James Troup



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# 1.160 pierrec-lz4 2.0.5+incompatible

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## 1.165 errors 0.9.1

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## 1.166 gnupg 2.2.4 1ubuntu1.2

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Version 3, 29 June 2007

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under certain conditions; type `show c' for details.
```

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```
COPYING.other *- org *-
#+TITLE: List of code with permissive licenses as used by GnuPG.
#+STARTUP: showall
```

\* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

-----  
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# 1.167 libss 1.44.1-1ubuntu1.3

## 1.167.1 Available under license :

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

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

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Index: tdbsa/tdb.c

=====

--- tdbsa.orig/tdb.c

+++ tdbsa/tdb.c

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

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

\*/

/\*

- Unix SMB/CIFS implementation.
- + trivial database library - standalone version
  
- trivial database library - private includes
- 
- Copyright (C) Andrew Tridgell            2005
- + Copyright (C) Andrew Tridgell            1999-2005
- + Copyright (C) Jeremy Allison            2000-2006
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system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were  
written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:  
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#

# This is a Makefile stub which handles the creation of BSD shared  
# libraries.

#

# In order to use this stub, the following makefile variables must be defined.

#

# BSDLIB\_VERSION = 1.0

# BSDLIB\_IMAGE = libce

# BSDLIB\_MYDIR = et

# BSDLIB\_INSTALL\_DIR = \$(SHLIBDIR)

#

all:: image

real-subdirs:: Makefile

@echo " MKDIR pic"

@mkdir -p pic

BSD\_LIB = \$(BSDLIB\_IMAGE).so.\$(BSDLIB\_VERSION)

BSDLIB\_PIC\_FLAG = -fpic

image: \$(BSD\_LIB)

\$(BSD\_LIB): \$(OBJS)

(cd pic; ld -Bshareable -o \$(BSD\_LIB) \$(LDFLAGS\_SHLIB) \$(OBJS))

\$(MV) pic/\$(BSD\_LIB) .

\$(RM) -f ../\$(BSD\_LIB)

(cd ..; \$(LN) \$(LINK\_BUILD\_FLAGS) \

`echo \$(my\_dir) | sed -e 's;lib/;;'"/\$(BSD\_LIB) \$(BSD\_LIB))

install-shlibs install:: \$(BSD\_LIB)

@echo " INSTALL\_PROGRAM \$(BSDLIB\_INSTALL\_DIR)/\$(BSD\_LIB)"

@\$(INSTALL\_PROGRAM) \$(BSD\_LIB) \

\$(DESTDIR)\$BSDLIB\_INSTALL\_DIR)/\$(BSD\_LIB)

@-\$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::

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

clean::

```
$(RM) -rf pic
```

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

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

This is the Debian GNU/Linux prepackaged version of the Common Error Description library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

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

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Theodore Ts'o  
23-June-2007

---

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

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```
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```

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```
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This is free software, and you are welcome to redistribute it
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```

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## 1.171 pflag 1.0.5

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# 1.172 k8s-io-kube-openapi v0.0.0-20190603182131-db7b694dc208

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## 1.173 fsnotify v.1.4.7

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## 1.174 glibc 2.27-3ubuntu1.2

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# 1.177 kubernetes v1.11.8- beta.0.0.20190124204751-3a10094374f2



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Andrew Gerrand <adg@golang.org>
Brad Fitzpatrick <bradfitz@golang.org>
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# An entry with two email addresses specifies that the  
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# that the second address should be recognized as the  
# same person when interacting with Rietveld.

# Please keep the list sorted.

Aaron Jacobs <jacobsa@google.com> <aaronjjacobs@gmail.com>

Alex Reece <awreece@gmail.com>

David Symonds <dsymonds@golang.org>

Ryan Barrett <ryanb@google.com>

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Dave Cheney <dave@cheney.net>

Saulius Gurklys <s4uliu5@gmail.com>

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Adam Eijdenberg <ejijdenberg@google.com> <adam.eijdenberg@gmail.com>
Al Cutter <al@google.com>
Ben Laurie <benl@google.com> <ben@links.org>
Chris Kennelly <ckennelly@google.com> <ckennelly@ckennelly.com>
David Drysdale <drysdale@google.com>
Deyan Bektchiev <deyan.bektchiev@venafi.com> <deyan@bektchiev.net>
Ed Maste <emaste@freebsd.org>
Emilia Kasper <ekasper@google.com>
Eran Messeri <eranm@google.com> <eran.mes@gmail.com>
Fiaz Hossain <fiaz.hossain@salesforce.com>
Gary Belvin <gbelvin@google.com> <gdbelvin@gmail.com>
Jeff Trawick <trawick@gmail.com>
Joe Tsai <joetsai@digital-static.net>
Kat Joyce <katjoyce@google.com>
Katriel Cohn-Gordon <katriel.cohn-gordon@cybersecurity.ox.ac.uk>
Kiril Nikolov <kiril.nikolov@venafi.com>
Konrad Kraszewski <kraszewski@google.com> <laiquendir@gmail.com>
Lal Cellier <lael.cellier@gmail.com>
Linus Nordberg <linus@nordu.net>
Mark Schloesser <ms@mwcollect.org>
Nicholas Galbreath <nickg@client9.com>
Oliver Weidner <Oliver.Weidner@gmail.com>
Pascal Leroy <phl@google.com>
Paul Hadfield <hadfieldp@google.com> <paul@phad.org.uk>
Paul Lietar <lietar@google.com>
Pierre Phaneuf <pphaneuf@google.com>
```



Rob Percival <robpercival@google.com>

Rob Stradling <rob@comodo.com>

Roland Shoemaker <roland@letsencrypt.org>

Ruslan Kovalov <ruslan.kovalyov@gmail.com>

Samuel Lidn Borell <samuel@kodafritt.se>

Vladimir Rutsky <vladimir@rutsky.org>

Ximin Luo <infinity0@gmx.com>

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```
package spec
```

```
// License information for the exposed API.
//
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
 Name string `json:"name,omitempty"`
 URL string `json:"url,omitempty"`
}
```

```
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```

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# Names should be added to this file as:

# Name <email address>

Ainsley Escorce-Jones <ains@users.noreply.github.com>

Andy Hochhaus <hochhaus@users.noreply.github.com>

Antoine Pelisse <apelisse@gmail.com>

GinFungYJF <645116215@qq.com>

Ian Cottrell <ian.the.hat@gmail.com>

Jay Conrod <jayconrod@gmail.com>

Jeff Grafton <ixdy@users.noreply.github.com>

Jeff Hodges <jeff@somethingsimilar.com>

John Millikin <jmillikin@gmail.com>

Kristina <k.chodorow@gmail.com>

Melinda Lu <melinda@vsco.co>

Paul Bethe <pbethe@google.com>

Peter McAlpine <peter@aoeu.ca>

Rodrigo Queiro <overdrigzed@gmail.com>

RS <sayrer@gmail.com>

Stefan Sakalik <stefan@improbable.io>

Tom Payne <twpayne@gmail.com>  
Yuki Yugui Sonoda <yugui@yugui.jp>

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```

```
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Ty Coon, President of Vice
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package main

```
import (
 "strings"
)
```

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

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

```

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

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

```

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Alex A. Skinner

Andrew Tunnell-Jones

Ask Bjrn Hansen

Dave Cheney

Dusty Wilson

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Alex Sergeev

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Anton Povarov <anton.povarov@gmail.com>

Clayton Coleman <ccoleman@redhat.com>

Denis Smirnov <denis.smirnov.91@gmail.com>

DongYun Kang <ceram1000@gmail.com>

Dwayne Schultz <dschultz@pivotal.io>

Georg Apitz <gapitz@pivotal.io>

Gustav Paul <gustav.paul@gmail.com>

Johan Brandhorst <johan.brandhorst@gmail.com>

John Shahid <jvshahid@gmail.com>

John Tuley <john@tuley.org>

Laurent <laurent@adyoulike.com>

Patrick Lee <patrick@dropbox.com>

Sergio Arbo <serabe@gmail.com>

Stephen J Day <stephen.day@docker.com>

Tamir Duberstein <tamird@gmail.com>

Todd Eisenberger <teisenberger@dropbox.com>

Tormod Erevik Lea <tormodlea@gmail.com>

Walter Schulze <awalterschulze@gmail.com>

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```
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Burcu Dogan <jbd@google.com>
Dave Day <djd@golang.org>
David Sansome <me@davidsansome.com>
David Symonds <dsymonds@golang.org>
Filippo Valsorda <hi@filippo.io>
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Jonathan Amsterdam <jba@google.com>
Luna Duclos <luna.duclos@palmstonegames.com>
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Protocol Buffers for Go with Gadgets

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

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#

Abhijeet Kasurde <akasurde@redhat.com>  
abrarshivani <abrarshivani@users.noreply.github.com>  
Adam Shannon <adamkshannon@gmail.com>  
Alessandro Cortiana <alessandro.cortiana@gmail.com>  
Alex Bozhenko <alexbozhenko@fb.com>  
Alvaro Miranda <kikitux@gmail.com>  
Amanda H. L. de Andrade <amanda.andrade@serpro.gov.br>  
Amit Bathla <abathla@vmware.com>  
amit bezalel <amit.bezalel@hpe.com>  
Andrew Chin <andrew@andrewtchin.com>  
Anfernee Yongkun Gui <agui@vmware.com>  
aniketGslab <aniket.shinde@gslab.com>  
Arran Walker <arran.walker@zopa.com>  
Aryeh Weinreb <aryehweinreb@gmail.com>  
Austin Parker <aparker@appenda.com>  
Balu Dontu <bdontu@vmware.com>  
bastienbc <bastien.barbe.creuly@gmail.com>  
Bob Killen <killen.bob@gmail.com>  
Brad Fitzpatrick <bradfitz@golang.org>  
Bruce Downs <bruceadowns@gmail.com>  
Chris Marchesi <chrism@vanclueverttech.com>  
Christian Hltje <docwhat@gerf.org>  
Clint Greenwood <cgreenwood@vmware.com>  
Cdric Blomart <cblomart@gmail.com>  
Danny Lockard <danny.lockard@banno.com>  
Dave Tucker <dave@dtucker.co.uk>  
David Stark <dave@davidstark.name>  
Davide Agnello <dagnello@hp.com>  
Doug MacEachern <doug@vmware.com>  
Eloy Coto <eloy.coto@gmail.com>  
Eric Gray <egray@vmware.com>  
Eric Yutao <eric.yutao@gmail.com>



Erik Hollensbe <github@hollensbe.org>  
Fabio Rapposelli <fabio@vmware.com>  
Faiyaz Ahmed <ahmedf@vmware.com>  
forkbomber <forkbomber@users.noreply.github.com>  
Gavin Gray <gavin@infinio.com>  
Gavrie Philipson <gavrie.philipson@elastifile.com>  
George Hicken <ghicken@vmware.com>  
Gerrit Renker <Gerrit.Renker@ctl.io>  
gthombare <gthombare@vmware.com>  
Hasan Mahmood <mahmoodh@vmware.com>  
Henrik Hodne <henrik@travis-ci.com>  
Isaac Rodman <isaac@eyz.us>  
Ivan Porto Carrero <icarrero@vmware.com>  
Jason Kincl <jkincl@gmail.com>  
Jeremy Canady <jcanady@jackhenry.com>  
jeremy-clerc <jeremy@clerc.io>  
Joo Pereira <joaodrp@gmail.com>  
Louie Jiang <jiangl@vmware.com>  
Marc Carmier <mcarmier@gmail.com>  
Matthew Cosgrove <matthew.cosgrove@dell.com>  
Mevan Samaratunga <mevansam@gmail.com>  
Nicolas Lamirault <nicolas.lamirault@gmail.com>  
Parham Alvani <parham.alvani@gmail.com>  
Pieter Noordhuis <pnoordhuis@vmware.com>  
runner.mei <runner.mei@gmail.com>  
S.alar Onur <conur@vmware.com>  
Sergey Ignatov <sergey.ignatov@jetbrains.com>  
Steve Purcell <steve@sanityinc.com>  
Takaaki Furukawa <takaaki.frkw@gmail.com>  
tanishi <tanishi503@gmail.com>  
Ted Zlatanov <tzz@lifelogs.com>  
Thibaut Ackermann <thibaut.ackermann@alcatel-lucent.com>  
Trevor Dawe <trevor.dawe@gmail.com>  
Vadim Egorov <vegorov@vmware.com>  
Volodymyr Bobyr <pupsua@gmail.com>  
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package simulator

import (

"github.com/vmware/govmomi/object"

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

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

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

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

)

// EvalLicense is the default license

var EvalLicense = types.LicenseManagerLicenseInfo{

LicenseKey: "00000-00000-00000-00000-00000",

EditionKey: "eval",

Name: "Evaluation Mode",

Properties: []types.KeyAnyValue{

{

Key: "feature",

Value: types.KeyValue{

Key: "serialuri:2",

Value: "Remote virtual Serial Port Concentrator",

},

},

{

Key: "feature",

Value: types.KeyValue{

Key: "dvs",

Value: "vSphere Distributed Switch",

},

},

```

 },
}

type LicenseManager struct {
 mo.LicenseManager
}

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

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

 return m
}

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

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

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

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

 return body
}

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

 for i, license := range m.Licenses {

```

```

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

type LicenseAssignmentManager struct {
 mo.LicenseAssignmentManager
}

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

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

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

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

 return body
}

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

 info.LicenseKey = key
 info.Labels = labels
}

```

```
return info
}
 Shell2Junit License Information
```

Feb, 2010

shell2junit library and sample code is licensed under Apache License, v.2.0.

(c) 2009 Manolo Carrasco (Manuel Carrasco Moino)

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

HTTP Content-Type Autonegotiation.

The functions in this package implement the behaviour specified in <http://www.w3.org/Protocols/rfc2616/rfc2616-sec14.html>

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## FUNCTIONS

`func Negotiate(header string, alternatives []string) (content_type string)`  
Negotiate the most appropriate content\_type given the accept header and a list of alternatives.

`func ParseAccept(header string) (accept []Accept)`  
Parse an Accept Header string returning a sorted list of clauses

## TYPES

```
type Accept struct {
 Type, SubType string
 Q float32
 Params map[string]string
}
```

Structure to represent a clause in an HTTP Accept Header

## SUBDIRECTORIES

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# 1.178 x-image v0.0.0-20190227222117-0694c2d4d067

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## 1.179 libpammodulesbin 1.1.8-

### 3.6ubuntu2.18.04.1

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Patch for Ubuntu bug #399071

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

Authors: Dustin Kirkland <kirkland@canonical.com>

Upstream status: Ubuntu-specific, maybe submit to Debian

Index: pam.ubuntu/modules/pam\_motd/pam\_motd.c

-----  
--- pam.ubuntu.orig/modules/pam\_motd/pam\_motd.c

+++ pam.ubuntu/modules/pam\_motd/pam\_motd.c

@@ -73,6 +73,61 @@

close(fd);

}

+int display\_legal(pam\_handle\_t \*pamh)

+{

+ int retval = PAM\_IGNORE, rc;

+ char \*user = NULL;

+ char \*dir = NULL;

+ char \*flag = NULL;

+ struct passwd \*pwd = NULL;

+ struct stat s;

+ int f;



```

+ /* Get the user name to determine if we need to print the disclaimer */
+ rc = pam_get_item(pamh, PAM_USER, &user);
+ if (rc == PAM_SUCCESS && user != NULL && *(const char *)user != '\0')
+ {
+ PAM_MODUTIL_DEF_PRIVS(privs);
+
+ /* Get the password entry */
+ pwd = pam_modutil_getpwnam (pamh, user);
+ if (pwd != NULL)
+ {
+ if (pam_modutil_drop_priv(pamh, &privs, pwd)) {
+ pam_syslog(pamh, LOG_ERR,
+ "Unable to change UID to %d temporarily\n",
+ pwd->pw_uid);
+ retval = PAM_SESSION_ERR;
+ goto finished;
+ }
+
+ if (asprintf(&dir, "%s/.cache", pwd->pw_dir) == -1 || !dir)
+ goto finished;
+ if (asprintf(&flag, "%s/motd.legal-displayed", dir) == -1 || !flag)
+ goto finished;
+
+ if (stat(flag, &s) != 0)
+ {
+ display_file(pamh, "/etc/legal");
+ mkdir(dir, 0700);
+ f = open(flag, O_WRONLY|O_CREAT|O_EXCL,
+ S_IRUSR|S_IWUSR|S_IRGRP|S_IROTH);
+ if (f>=0) close(f);
+ }
+
+ +finished:
+ if (pam_modutil_regain_priv(pamh, &privs)) {
+ pam_syslog(pamh, LOG_ERR,
+ "Unable to change UID back to %d\n", privs.old_uid);
+ retval = PAM_SESSION_ERR;
+ }
+
+ _pam_drop(flag);
+ _pam_drop(dir);
+ }
+ }
+ return retval;
+ }
+
+ PAM_EXTERN
+ int pam_sm_open_session(pam_handle_t *pamh, int flags,

```

```

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

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

```

This package was debianized by J.H.M. Dassen (Ray) jdassen@debian.org on Wed, 23 Sep 1998 20:29:32 +0200.

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

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WEV @@ WEV[B "1

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```

```
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Ty Coon, President of Vice
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```
x ?"U@,5 @mISmIN<GimCN7g1u|E
43mI,5WEV @@ WEV @mImImIAmImImI0mImImI*mImI
A0mImImI...
lost+found...
```

```
;9GimCN7g
```

```
!"#$%&'()*+,-
./0123456789;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^_`abcdefghijklmnopqrstuvwxyz{|}~
```

```
!"#$%&'()*+,-
./0123456789;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^_`abcdefghijklmnopqrstuvwxyz{|}~
```

```
!"#$%&'()*+,-
./0123456789;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^_`abcdefghijklmnopqrstuvwxyz{|}~
```

```
!"#$%&'()*+,-
```

./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^\_`abcdefghijklmnopqrstuvwxyz{|}~WEV @@  
WEV[B "1

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Other contributors include:

Anthony Towns <ajt@debian.org>

David Whedon <dwhedon@gordian.com>

Dan Jacobowitz <dan@debian.org>

Tollef Fog Heen <tfheen@debian.org>

Attilio Fiandrotti <fiandro@tiscali.it>

Colin Watson <cjwatson@debian.org>

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## 1.184 sqlx v1.2.0

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## 1.187 go-yaml 2.3.0

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## 1.190 pcre 2:8.39-9

## 1.191 ncurses 6.1-1ubuntu1.18.04

### 1.191.1 Available under license :

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

Current ncurses maintainer: Thomas Dickey <[dickey@invisible-island.net](mailto:dickey@invisible-island.net)>

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-- vile:txtmode fc=72

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

This package is used for testing builds of ncurses.

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## 1.192.1 Available under license :

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```
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Format: <http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/>

Upstream-Name: XZ Utils

Upstream-Contact:

Lasse Collin <[lasse.collin@tukaani.org](mailto:lasse.collin@tukaani.org)>

<http://tukaani.org/xz/lists.html>

Source:

<http://tukaani.org/xz>

<http://git.tukaani.org/xz.git>

Comment:

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Comment:

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To: Jonathan Nieder <jrnieder@gmail.com>

Subject: Re: XZ utils for Debian

Date: Sun, 19 Jul 2009 13:28:23 +0300

Message-Id: <200907191328.23816.lasse.collin@tukaani.org>

.  
[...]

.  
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> dos/README, windows/README

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changelog.gz (commit 975d8fd) explains:

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Files: dos/config.h

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Free Software Foundation, Inc.

2007-2010, Lasse Collin

Other-Authors: Roland McGrath, Akim Demaille, Paul Eggert,

David Mackenzie, Bruno Haible, and many others.

Origin: configure.ac from XZ Utils,

visibility.m4 serial 1 (gettext-0.15),

Autoconf 2.52g

License: config-h

configure.ac:

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# Author: Lasse Collin

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dos/config.h was generated with autoheader, which tells Autoconf to output a script to generate a config.h file and then runs it.

Files: po/Makevars

Origin: gettext-runtime/po/Makevars (gettext-0.12)

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Authors: Bruno Haible

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## 1.195 login 1:4.5-1ubuntu2

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Version 3, 29 June 2007

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```
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```

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## 1.197 xstrings 1.2.0

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## 1.198 libncursesw 6.1-1ubuntu1.18.04

### 1.198.1 Available under license :

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

Current ncurses maintainer: Thomas Dickey <[dickey@invisible-island.net](mailto:dickey@invisible-island.net)>

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-- vile: txtmode file-encoding=utf-8

This is the Debian prepackaged version of the `ncurses` library and `terminfo` utilities. `ncurses/terminfo` was originally written by Pavel Curtis and Zeyd M. Ben-Halim <zmbenhal@netcom.com>, and is currently held by the Free Software Foundation.

This package was put together by Vaidhyanathan G Mayilrangam <vaidhy@debian.org> and Joel Klecker <espy@debian.org>, using sources obtained from `ftp://ftp.gnu.org/gnu/ncurses/ncurses-5.0.tar.gz`. Current versions of the `ncurses` sources are found at `ftp://invisible-island.net/ncurses/`.

It is based somewhat on work done by Bruce Perens <Bruce@Pixar.com>, David Engel <david@elo.ods.com>. Michael Alan Dorman <mdorman@debian.org>, Richard Braakman <dark@xs4all.nl>, James Troup <jjtroup@comp.brad.ac.uk>, J.H.M. Dassen (Ray) <jdassen@wi.LeidenUniv.nl>, and Galen Hazelwood <galenh@micron.net> over various years.

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Files: install-sh  
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-- vile: txtmode file-encoding=utf-8

# 1.199 acl 2.2.52-3build1

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import: ../../../../fossene/db/schema/thing.yml

fields:

site: string

author: root



# 1.201 uitable 0.0.4

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#### ARCFOUR

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#### CAMELLIA

The C implementation is by Nippon Telegraph and Telephone Corporation (NTT), heavily modified by Niels Mller. Assembler for x86 and x86\_64 by Niels Mller. Released under the LGPL.

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#### CAST128

The implementation of the CAST128 cipher is written by Steve Reid. Released into the public domain.

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#### DES

The implementation of the DES cipher is written by Dana L. How, and released under the LGPL.

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#### MD2

The implementation of MD2 is written by Andrew Kuchling, and hacked some by Andreas Sigfridsson and Niels Mller. Python Cryptography

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#### MD4

This is almost the same code as for MD5 below, with modifications by Marcus Comstedt. Released into the public domain.

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#### MD5

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The C implementation of the SHA1 message digest is written by Peter Gutmann, and hacked some more by Andrew Kuchling and Niels Mller. Released into the public domain. Assembler for x86 by Niels Mller, released under the LGPL.

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#### SHA224, SHA256, SHA384, and SHA512

Written by Niels Mller, using Peter Gutmann's SHA1 code as a model. Released under the LGPL.

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#### TWOFISH

The implementation of the TWOFISH cipher is written by Ruud de Rooij. Released under the LGPL.

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#### RSA

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## 1.211 systemd 237-3ubuntu10.42

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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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- + Copyright (C) Andrew Tridgell            1999-2005
- + Copyright (C) Jeremy Allison            2000-2006
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Theodore Ts'o  
23-June-2007

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That's all there is to it!

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

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

<http://sourceforge.net/projects/e2fsprogs>

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

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

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

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

all:: image

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

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

image: $(BSD_LIB)

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

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

install-strip: install

install-shlibs-strip: install-shlibs

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

```

clean::

```
$(RM) -rf pic
```

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

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

This is the Debian GNU/Linux prepackaged version of the Common Error Description library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

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

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Gadi Oxman, August 1995

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Version 2, June 1991

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```

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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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## 1.214 mitchellh-copystructure 1.0.0

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```
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```

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```
WEV @@ WEV[B "1
```

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## 1.220 libp11-kit 0.23.9-2

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Gocheck - A rich testing framework for Go

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#+STARTUP: showall

\* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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arch-tag: d4250e44-a0e0-4ee0-adb9-2bd74f6eeb27

## 1.225 findutils 4.6.0+git+20170828 2

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Version 3, 29 June 2007

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Send patches to `sysvinit-devel@nongnu.org`

The of the start-stop-daemon

- \* A rewrite of the original Debian's start-stop-daemon Perl script
- \* in C (faster - it is executed many times during system startup).
- \*
- \* Written by Marek Michalkiewicz <marekm@i17linuxb.ists.pwr.wroc.pl>,  
\* public domain.

## 1.230 x-text 0.3.2

### 1.230.1 Available under license :

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## 1.231 gorp v1.7.2

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