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jseward@bzip.org

bzip2/libbzip2 version 1.0.4 of 20 December 2006

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loginrec.h  
atomicio.h  
atomicio.c

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 \*  
 \* curve25519-donna: Curve25519 elliptic curve, public key function  
 \*  
 \* <http://code.google.com/p/curve25519-donna/>  
 \*  
 \* Adam Langley <agl@imperialviolet.org>  
 \*  
 \* Derived from public domain C code by Daniel J. Bernstein <djb@cr.yp.to>  
 \*  
 \* More information about curve25519 can be found here  
 \* <http://cr.yp.to/ecdh.html>  
 \*  
 \* djb's sample implementation of curve25519 is written in a special assembly  
 \* language called qhasm and uses the floating point registers.  
 \*  
 \* This is, almost, a clean room reimplementaion from the curve25519 paper. It  
 \* uses many of the tricks described therein. Only the crecip function is taken  
 \* from the sample implementation.  
 \*/

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\* curve25519-donna: Curve25519 elliptic curve, public key function

\* <http://code.google.com/p/curve25519-donna/>

\* Adam Langley <agl@imperialviolet.org>

\* Derived from public domain C code by Daniel J. Bernstein <djb@cr.yp.to>

\* More information about curve25519 can be found here

\* <http://cr.yp.to/ecdh.html>

\* djb's sample implementation of curve25519 is written in a special assembly  
\* language called qhasm and uses the floating point registers.

\* This is, almost, a clean room reimplementation from the curve25519 paper. It  
\* uses many of the tricks described therein. Only the crecip function is taken  
\* from the sample implementation.

\*/  
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It was downloaded from <http://matt.ucc.asn.au/dropbear/>

Upstream Author: Matt Johnston <matt@ucc.asn.au>

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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 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) $(LD_FLAGS) $(OBJS))
```

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

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

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

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

```
install-shlibs install:: $(BSD_LIB)
```

```
@echo " INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
```

```
@$(INSTALL_PROGRAM) $(BSD_LIB) \
```

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

```
@-$(LD_CONFIG)
```

```
install-strip: install
```

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

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

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

```
clean::
```

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

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

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

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Gadi Oxman, August 1995

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```
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```
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```

```
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This package was added to the e2fsprogs debian source package by  
Theodore Ts'o <tytso@mit.edu> on Fri Dec 14 22:24:35 EST 2007

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

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

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

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

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

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

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

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\* More debugging hooks for `malloc'.

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Unix SMB/CIFS implementation.

trivial database library

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## 1.10 firewall 2015-07-27

:0aaf63b89efb27bfa370aabc7550de10335abbe

3



# 1.11 fmc 2.0

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## 1.13 fstools 2016-01-10

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## 1.14 fysom 2.1.2

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```
#
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#   Gordon's javascript-state-machine to python
#   https://github.com/jakesgordon/javascript-state-machine
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```

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Version 3, 29 June 2007

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## 1.19 gmp 6.0.0.a

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## 1.20 go 1.6.2

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Alexander Larsson <alexander.larsson@gmail.com>  
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Alexander Neumann <alexander@bumpem.de>

Alexander Orlov <alexander.orlov@loxal.net>  
Alexander Reece <awreece@gmail.com>  
Alexander Surma <surma@surmair.de>  
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Alexander Zolotov <goldifit@gmail.com>  
Alexandre Cesaro <alexandre.cesaro@gmail.com>  
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Anthony Starks <ajstarks@gmail.com>  
Apisak Darakananda <pongad@gmail.com>  
Aram Hvrneanu <aram@mgk.ro>  
Areski Belaid <areski@gmail.com>  
Arkadi Pyuro <arkadi@google.com>  
Arnaud Ysmal <arnaud.ysmal@gmail.com>  
Arne Hormann <arnehormann@gmail.com>  
Arnout Engelen <arnout@bzzt.net>  
Aron Nopanen <aron.nopanen@gmail.com>  
Artyom Pervukhin <artyom.pervukhin@gmail.com>  
Arvindh Rajesh Tamilmani <art@a-30.net>  
Asim Shankar <asimshankar@gmail.com>  
Ato Araki <ato.araki@gmail.com>  
Aulus Egnatius Varialus <varialus@gmail.com>  
Austin Clements <austin@google.com> <aclements@csail.mit.edu>  
awaw fumin <awawfumin@gmail.com>  
Aymerick Jhanne <aymerick@jehanne.org>  
Balazs Lecz <leczb@google.com>  
Ben Burkert <ben@benburkert.com>  
Ben Eitzen <eitzenb@golang.org>  
Ben Fried <ben.fried@gmail.com>  
Ben Lynn <benlynn@gmail.com>  
Ben Olive <sionide21@gmail.com>  
Benjamin Black <b@b3k.us>  
Benjamin Prosnitz <bprosnitz@google.com>  
Benny Siegert <bsiegert@gmail.com>  
Benoit Sigoure <tsunanet@gmail.com>  
Berengar Lehr <Berengar.Lehr@gmx.de>  
Bill Neubauer <wcn@golang.org> <wcn@google.com> <bill.neubauer@gmail.com>  
Bill Thiede <couchmoney@gmail.com>  
Billie Harold Cleek <bhcleek@gmail.com>  
Bjorn Tillenius <bjorn@tilenius.me>  
Bjorn Tipling <bjorn.tipling@gmail.com>  
Blake Gentry <blakesgentry@gmail.com>  
Blake Mizerany <blake.mizerany@gmail.com>  
Bobby Powers <bobbypowers@gmail.com>  
Brad Fitzpatrick <bradfitz@golang.org> <bradfitz@gmail.com>  
Brad Garcia <bgarcia@golang.org>  
Brandon Gilmore <varz@google.com>  
Brendan Daniel Tracey <tracey.brendan@gmail.com>  
Brendan O'Dea <bod@golang.org>  
Brett Cannon <bcannon@gmail.com>  
Brian Dellisanti <briandellisanti@gmail.com>  
Brian G. Merrell <bgmerrell@gmail.com>  
Brian Gitonga Marete <marete@tosnix.com> <bgmarete@gmail.com> <bgm@google.com>  
Brian Ketelsen <bketelsen@gmail.com>

Brian Slesinsky <skybrian@google.com>  
Brian Smith <ohohvi@gmail.com>  
Bryan C. Mills <bcmills@google.com>  
Bryan Ford <brynosaurus@gmail.com>  
Burcu Dogan <jbd@google.com> <burcujdogan@gmail.com>  
Caine Tighe <arctanofyourface@gmail.com>  
Caleb Spare <cespare@gmail.com>  
Carl Chatfield <carlchatfield@gmail.com>  
Carl Jackson <carl@stripe.com>  
Carl Mastrangelo <notcarl@google.com>  
Carl Shapiro <cshapiro@google.com> <cshapiro@golang.org>  
Carlos Castillo <cookieo9@gmail.com>  
Carlos Cirello <uldericofilho@gmail.com>  
Cary Hull <chull@google.com>  
Case Nelson <case.nelson@gmail.com>  
Casey Marshall <casey.marshall@gmail.com>  
Catalin Patulea <catalinp@google.com>  
Cedric Staub <cs@squareup.com>  
Cezar S Espinola <cezarsa@gmail.com>  
ChaiShushan <chaishushan@gmail.com>  
Charles L. Dorian <cldorian@gmail.com>  
Charles Lee <zombie.fml@gmail.com>  
Charles Weill <weill@google.com>  
Chris Broadfoot <cbro@golang.org>  
Chris Dollin <ehog.hedge@gmail.com>  
Chris Farmiloe <chrisfarms@gmail.com>  
Chris Hines <chris.cs.guy@gmail.com>  
Chris Howey <howeyc@gmail.com>  
Chris Hundt <hundt@google.com>  
Chris Jones <chris@cjones.org> <chris.jones.yar@gmail.com>  
Chris Kastorff <encryptio@gmail.com>  
Chris Lennert <calennert@gmail.com>  
Chris Manghane <cmang@golang.org>  
Chris McGee <sirnewton\_01@yahoo.ca> <newton688@gmail.com>  
Christian Himpel <chressie@googlemail.com> <chressie@gmail.com>  
Christine Hansmann <chhansmann@gmail.com>  
Christoffer Buchholz <christoffer.buchholz@gmail.com>  
Christoph Hack <christoph@tux21b.org>  
Christopher Cahoon <chris.cahoon@gmail.com>  
Christopher Guiney <chris@guiney.net>  
Christopher Nielsen <m4dh4tt3r@gmail.com>  
Christopher Redden <christopher.redden@gmail.com>  
Christopher Swenson <cswenson@google.com>  
Christopher Wedgwood <cw@f00f.org>  
CL Sung <clsung@gmail.com> <cl\_sung@htc.com>  
Clement Skau <clementska@gmail.com>  
Colby Ranger <cranger@google.com>  
Colin Cross <ccross@android.com>

Colin Kennedy <moshen.colin@gmail.com>  
Conrad Meyer <cemeyer@cs.washington.edu>  
Corey Thomasson <cthom.lists@gmail.com>  
Cosmos Nicolaou <cnicolaou@google.com>  
Cristian Staretu <unclejacksons@gmail.com>  
Damian Gryski <dgryski@gmail.com>  
Damien Neil <dneil@google.com>  
Dan Caddigan <goldcaddy77@gmail.com>  
Dan Callahan <dan.callahan@gmail.com>  
Dan Jacques <dnj@google.com>  
Dan Peterson <dpiddy@gmail.com>  
Dan Pupius <dan@medium.com>  
Dan Sinclair <dan.sinclair@gmail.com>  
Daniel Fleischman <danielfleischman@gmail.com>  
Daniel Johansson <dajo2002@gmail.com>  
Daniel Kerwin <d.kerwin@gini.net>  
Daniel Krech <eikeon@eikeon.com>  
Daniel Lidn <daniel.liden.87@gmail.com>  
Daniel Morsing <daniel.morsing@gmail.com>  
Daniel Nadasi <dnadasi@google.com>  
Daniel Ortiz Pereira da Silva <daniel.particular@gmail.com>  
Daniel Skinner <daniel@dasa.cc>  
Daniel Theophanes <kardianos@gmail.com>  
Darren Elwood <darren@textnode.com>  
Dave Borowitz <dborowitz@google.com>  
Dave Bort <dbort@golang.org>  
Dave Cheney <dave@cheney.net>  
Dave Day <djd@golang.org>  
Dave Grijalva <dgrijalva@ngmoco.com>  
David Anderson <danderson@google.com>  
David Barnett <dbarnett@google.com>  
David Benjamin <davidben@google.com>  
David Brgin <676c7473@gmail.com>  
David Calavera <david.calavera@gmail.com>  
David Chase <drchase@google.com>  
David Covert <davidhcovert@gmail.com>  
David Crawshaw <david.crawshaw@zentus.com> <crawshaw@google.com> <crawshaw@golang.org>  
David du Colombier <0intro@gmail.com>  
David Forsythe <dforsythe@gmail.com>  
David G. Andersen <dave.andersen@gmail.com>  
David Glasser <glasser@meteor.com>  
David Howden <dhowden@gmail.com>  
David Jakob Fritz <david.jakob.fritz@gmail.com>  
David Leon Gil <coruus@gmail.com>  
David McLeish <davemc@google.com>  
David Presotto <presotto@gmail.com>  
David R. Jenni <david.r.jenni@gmail.com>  
David Symonds <dsymonds@golang.org>

David Thomas <davidthomas426@gmail.com>  
David Titarenco <david.titarenco@gmail.com>  
Davies Liu <davies.liu@gmail.com>  
Dean Prichard <dean.prichard@gmail.com>  
Denis Bernard <db047h@gmail.com>  
Denis Brandolini <denis.brandolini@gmail.com>  
Derek Buitenhuis <derek.buitenhuis@gmail.com>  
Derek Che <drc@yahoo-inc.com>  
Derek Parker <parkerderek86@gmail.com>  
Devon H. O'Dell <devon.odell@gmail.com>  
Dhiru Kholia <dhiru.kholia@gmail.com>  
Didier Spezia <didier.06@gmail.com>  
Dimitri Tcaciuc <dtcaciuc@gmail.com>  
Dirk Gadsden <dirk@esherido.com>  
Dmitri Shuralyov <shurcool@gmail.com>  
Dmitriy Shelenin <deemok@googlemail.com> <deemok@gmail.com>  
Dmitriy Vyukov <dvyukov@google.com>  
Dmitry Chestnykh <dchest@gmail.com>  
Dmitry Savintsev <dsavints@gmail.com>  
Dmitry Yakunin <nonamezeil@gmail.com>  
Dominik Honnef <dominik.honnef@gmail.com>  
Dominik Vogt <vogt@linux.vnet.ibm.com>  
Donald Huang <don.hcd@gmail.com>  
Donovan Hide <donovanhide@gmail.com>  
Drew Hintz <adhintz@google.com>  
Duncan Holm <mail@frou.org>  
Dustin Long <dustmop@gmail.com>  
Dustin Sallings <dsallings@gmail.com>  
Dustin Shields-Cloues <dcloues@gmail.com>  
Dvir Volk <dvir@everything.me> <dvirsky@gmail.com>  
Eden Li <eden.li@gmail.com>  
Edward Muller <edwardam@interlix.com>  
Egon Elbre <egonelbre@gmail.com>  
Ehren Kret <ehren.kret@gmail.com>  
Eivind Uggedal <eivind@uggedal.com>  
Elias Naur <elias.naur@gmail.com>  
Emil Hessman <c.emil.hessman@gmail.com> <emil@hessman.se>  
Emmanuel Odeke <emm.odeke@gmail.com> <odeke@ualberta.ca>  
Eoghan Sherry <ejsherry@gmail.com>  
Eric Clark <zerohp@gmail.com>  
Eric Garrido <ekg@google.com>  
Eric Koleda <ekoleda+devrel@google.com>  
Eric Lagergren <ericscottlagergren@gmail.com>  
Eric Milliken <emilliken@gmail.com>  
Eric Roshan-Eisner <eric.d.eisner@gmail.com>  
Erik Aigner <aigner.erik@gmail.com>  
Erik Dubbelboer <erik@dubbelboer.com>  
Erik St. Martin <alakriti@gmail.com>

Erik Westrup <erik.westrup@gmail.com>  
Esko Luontola <esko.luontola@gmail.com>  
Evan Broder <evan@stripe.com>  
Evan Brown <evanbrown@google.com>  
Evan Kroske <evankroske@google.com>  
Evan Martin <evan.martin@gmail.com>  
Evan Phoenix <evan@phx.io>  
Evan Shaw <chickencha@gmail.com>  
Ewan Chou <coocood@gmail.com>  
Fabian Wickborn <fabian@wickborn.net>  
Fabrizio Milo <mistobaan@gmail.com>  
Fan Hongjian <fan.howard@gmail.com>  
Fatih Arslan <fatih@arslan.io>  
Fazlul Shahriar <fshahriar@gmail.com>  
Federico Simoncelli <fsimonce@redhat.com>  
Felix Geisendrfer <haimuiba@gmail.com>  
Firmansyah Adiputra <frm.adiputra@gmail.com>  
Florian Uekermann <florian@uekermann-online.de> <f1@uekermann-online.de>  
Florian Weimer <fw@deneb.enyo.de>  
Florin Patan <florinpatan@gmail.com>  
Folke Behrens <folke@google.com>  
Ford Hurley <ford.hurley@gmail.com>  
Francesc Campoy <campoy@golang.org>  
Francisco Claude <fclaude@recoded.cl>  
Francisco Souza <franciscossouza@gmail.com>  
Frederick Kelly Mayle III <frederickmayle@gmail.com>  
Fredrik Enestad <fredrik.enestad@soundtrackyourbrand.com>  
Frithjof Schulze <schulze@math.uni-hannover.de> <sfrithjof@gmail.com>  
Fumitoshi Ukai <ukai@google.com>  
Gaal Yahas <gaal@google.com>  
Gabriel Aszalos <gabriel.aszalos@gmail.com>  
Garrick Evans <garrick@google.com>  
Gary Burd <gary@beagledreams.com> <gary.burd@gmail.com>  
Gaurish Sharma <contact@gaurishsharma.com>  
Gautham Thambidorai <gautham.dorai@gmail.com>  
Geert-Johan Riemer <gjr19912@gmail.com>  
Georg Reinke <guelfey@gmail.com>  
George Shammass <george@shamm.as> <georgyo@gmail.com>  
Gerasimos Dimitriadis <gedimitr@gmail.com>  
Gideon Jan-Wessel Redelinghuys <gjredelinghuys@gmail.com>  
Giles Lean <giles.lean@pobox.com>  
Giovanni Bajo <rasky@develer.com>  
Giulio Iotti <dullgiulio@gmail.com>  
Glenn Brown <glennb@google.com>  
Glenn Lewis <gmlewis@google.com>  
Gordon Klaus <gordon.klaus@gmail.com>  
Graham King <graham4king@gmail.com>  
Graham Miller <graham.miller@gmail.com>



Greg Ward <greg@gerg.ca>  
Guillaume J. Charmes <guillaume@charmes.net>  
Guobiao Mei <meiguobiao@gmail.com>  
Gustav Paul <gustav.paul@gmail.com>  
Gustavo Franco <gustavorfranco@gmail.com>  
Gustavo Niemeyer <gustavo@niemeyer.net> <n13m3y3r@gmail.com>  
Gwenael Treguier <gwenn.kahz@gmail.com>  
Hajime Hoshi <hajimehoshi@gmail.com>  
Han-Wen Nienhuys <hanwen@google.com>  
Hari haran <hariharan.uno@gmail.com>  
Hariharan Srinath <srinathh@gmail.com>  
Harley Laue <losinggeneration@gmail.com>  
Hvard Haugen <havard.haugen@gmail.com>  
Hector Chu <hectorchu@gmail.com>  
Hector Martin Cantero <hector@marcansoft.com>  
Henning Schmiedehausen <henning@schmiedehausen.org>  
Henrik Edwards <henrik.edwards@gmail.com>  
Herbert Georg Fischer <herbert.fischer@gmail.com>  
Hiroshi Ioka <hirochachacha@gmail.com>  
Hong Ruiqi <hongruiqi@gmail.com>  
Hossein Sheikh Attar <hattar@google.com>  
Hsin-Ho Yeh <yhh92u@gmail.com>  
Hu Keping <hukeping@huawei.com>  
Hyang-Ah Hana Kim <hakim@google.com> <hyangah@gmail.com>  
Ian Gudger <ian@loosescre.ws>  
Ian Lance Taylor <iant@golang.org>  
Icarus Sparry <golang@icarus.freeuk.com>  
Igor Dolzhirov <bluesriverz@gmail.com>  
Ilya Tocar <ilya.tocar@intel.com>  
INADA Naoki <songofacandy@gmail.com>  
Ingo Krabbe <ikrabbe.ask@gmail.com>  
Ingo Oeser <nightlyone@googlemail.com> <nightlyone@gmail.com>  
Isaac Wagner <ibw@isaacwagner.me>  
Ivan Krasin <krasin@golang.org>  
Ivan Ukhov <ivan.ukhov@gmail.com>  
Jacob Baskin <jbaskin@google.com>  
Jacob H. Haven <jacob@cloudflare.com>  
Jae Kwon <jae@tendermint.com>  
Jakob Borg <jakob@nym.se>  
Jakub ajka <jcajka@redhat.com>  
Jakub Ryszard Czarnowicz <j.czarnowicz@gmail.com>  
James Aguilar <jaguilar@google.com>  
James David Chalfant <james.chalfant@gmail.com>  
James Fysh <james.fysh@gmail.com>  
James Gray <james@james4k.com>  
James Meneghello <rawrz0r@gmail.com>  
James P. Cooper <jamespcooper@gmail.com>  
James Robinson <jamesr@google.com> <jamesr.gatech@gmail.com>

James Schofield <james@shoeboxapp.com>  
James Sweet <james.sweet88@googlemail.com>  
James Toy <nil@opensesame.st>  
James Tucker <raggi@google.com>  
James Whitehead <jnwhiteh@gmail.com>  
Jamie Gennis <jgennis@google.com> <jgennis@gmail.com>  
Jamie Turner <jamwt@dropbox.com>  
Jamie Wilkinson <jaq@spacepants.org>  
Jan H. Hosang <jan.hosang@gmail.com>  
Jan Kratochvil <jan.kratochvil@redhat.com>  
Jan Mercl <0xjnml@gmail.com>  
Jan Mercl <befelemepeseveze@gmail.com>  
Jan Newmarch <jan.newmarch@gmail.com>  
Jan Ziak <0xe2.0x9a.0x9b@gmail.com>  
Jani Monoses <jani.monoses@ubuntu.com> <jani.monoses@gmail.com>  
Jaroslavas Poepko <jp@webmaster.ms>  
Jason Del Ponte <delpontej@gmail.com>  
Jason Hall <jasonhall@google.com>  
Jason Travis <infomaniac7@gmail.com>  
Jay Weisskopf <jay@jayschwa.net>  
Jean-Marc Eurin <jmeurin@google.com>  
Jed Denlea <jed@fastly.com>  
Jeff Hodges <jeff@somethingsimilar.com>  
Jeff R. Allen <jra@nella.org> <jeff.allen@gmail.com>  
Jeff Sickel <jas@corpus-callosum.com>  
Jeff Wendling <jeff@spacemonkey.com>  
Jens Frederich <jfrederich@gmail.com>  
Jeremiah Harmsen <jeremiah@google.com>  
Jeremy Jackins <jeremyjackins@gmail.com>  
Jeremy Schlatter <jeremy.schlatter@gmail.com>  
Jihyun Yu <yjh0502@gmail.com>  
Jim Cote <jfcote87@gmail.com>  
Jim McGrath <jimmc2@gmail.com>  
Jimmy Zelinskie <jimmyzelinskie@gmail.com>  
Jingcheng Zhang <diogin@gmail.com>  
Jingguo Yao <yaojingguo@gmail.com>  
Jiong Du <londevil@gmail.com>  
Joakim Sernbrant <serbaut@gmail.com>  
Joe Harrison <joehazzers@gmail.com>  
Joe Poirier <jdpoirier@gmail.com>  
Joe Shaw <joe@joeshaw.org>  
Joe Tsai <joetsai@digital-static.net>  
Joel Sing <jsing@google.com>  
Joel Stemmer <stemmertech@gmail.com>  
Johan Euphrosine <proppy@google.com>  
John Asmuth <jasmuth@gmail.com>  
John Beisley <huin@google.com>  
John C Barstow <jbowtie@amathaine.com>

John DeNero <denero@google.com>  
John Dethridge <jcd@golang.org>  
John Graham-Cumming <jgc@jgc.org> <jgrahamc@gmail.com>  
John Howard Palevich <jack.palevich@gmail.com>  
John Jenkins <twodopeshaggy@gmail.com>  
John Newlin <jnewlin@google.com>  
John Potocny <johnp@vividcortex.com>  
John Shahid <jvshahid@gmail.com>  
John Tuley <john@tuley.org>  
Jonathan Allie <jonallie@google.com>  
Jonathan Boulle <jonathanboulle@gmail.com>  
Jonathan Feinberg <feinberg@google.com>  
Jonathan Gold <jgold.bg@gmail.com>  
Jonathan Hseu <jhseu@google.com>  
Jonathan Mark <jhmark@xenops.com> <jhmark000@gmail.com>  
Jonathan Nieder <jrn@google.com>  
Jonathan Pittman <jmpittman@google.com> <jonathan.mark.pittman@gmail.com>  
Jonathan Rudenberg <jonathan@titanous.com>  
Jonathan Wills <runningwild@gmail.com>  
Jongmin Kim <atomaths@gmail.com>  
Jos Visser <josv@google.com>  
Jose Luis Vzquez Gonzlez <josvazg@gmail.com>  
Joseph Bonneau <jcb@google.com>  
Joseph Holsten <joseph@josephholsten.com>  
Josh Bleecher Snyder <josharian@gmail.com>  
Josh Goebel <dreamer3@gmail.com>  
Josh Hoak <jhoak@google.com>  
Josh Holland <jrh@joshh.co.uk>  
Joshua Chase <jcjosuachase@gmail.com>  
Jostein Stuhaug <js@solidsystem.no>  
JP Sugarbroad <jpsugar@google.com>  
JT Olds <jtolds@xnet5.com>  
Jukka-Pekka Kekkonen <karatepekka@gmail.com>  
Julian Phillips <julian@quantumfyre.co.uk>  
Julien Schmidt <google@julienschmidt.com>  
Jungho Ahn <jhahn@google.com>  
Justin Nu <nuss.justin@gmail.com>  
Kai Backman <kaib@golang.org>  
Kamil Kisiel <kamil@kamilkisiel.net> <kamil.kisiel@gmail.com>  
Kang Hu <hukangustc@gmail.com>  
Kato Kazuyoshi <kato.kazuyoshi@gmail.com>  
Katrina Owen <katrina.owen@gmail.com>  
Kay Zhu <kayzhu@google.com>  
KB Sriram <kbsriram@google.com>  
Kei Son <hey.calmdown@gmail.com>  
Keith Ball <inflatablewoman@gmail.com>  
Keith Randall <khr@golang.org>  
Keith Rarick <kr@xph.us>

Kelsey Hightower <kelsey.hightower@gmail.com>  
Kelvin Foo Chuan Lyi <vmirage@gmail.com>  
Ken Friedenbach <kenliz@cruzio.com>  
Ken Rockot <ken@oz.gs> <ken.rockot@gmail.com>  
Ken Sedgwick <ken@bonsai.com>  
Ken Thompson <ken@golang.org>  
Kenny Grant <kennygrant@gmail.com>  
Kevin Ballard <kevin@sb.org>  
Kevin Klues <klueska@gmail.com> <klueska@google.com>  
Kevin Malachowski <chowski@google.com>  
Kim Shrier <kshrier@racktopsystems.com>  
Kirklin McDonald <kirklin.mcdonald@gmail.com>  
Klaus Post <klauspost@gmail.com>  
Konstantin Shaposhnikov <k.shaposhnikov@gmail.com>  
Kristopher Watts <traetox@gmail.com>  
Kun Li <likunarmstrong@gmail.com>  
Kyle Consalus <consalus@gmail.com>  
Kyle Isom <kyle@gokyle.net>  
Kyle Lemons <kyle@kylelemons.net> <kevlar@google.com>  
L Campbell <unpantsu@gmail.com>  
Lai Jiangshan <eag0628@gmail.com>  
Larry Hosken <lahosken@golang.org>  
Larz Conwell <larzconwell@gmail.com>  
Lee Packham <lpackham@gmail.com>  
Lewin Bormann <lewin.bormann@gmail.com>  
Lloyd Dewolf <foolswisdom@gmail.com>  
Lorenzo Stoakes <lstoakes@gmail.com>  
Louis Kruger <louisk@google.com>  
Luca Greco <luca.greco@alcacoop.it>  
Lucien Stuker <lucien.stuker@gmail.com>  
Lucio De Re <lucio.dere@gmail.com>  
Luit van Drongelen <luitvd@gmail.com>  
Luka Zakrajek <tr00.g33k@gmail.com>  
Luke Curley <qpingu@gmail.com>  
Luna Duclos <luna.duclos@palmstonegames.com>  
Luuk van Dijk <lvd@golang.org> <lvd@google.com>  
Lynn Boger <laboger@linux.vnet.ibm.com>  
Mal Curtis <mal@mal.co.nz>  
Manoj Dayaram <platform-dev@moovweb.com> <manoj.dayaram@moovweb.com>  
Manu Garg <manugarg@google.com>  
Manu S Ajith <neo@codingarena.in>  
Manuel Mendez <mmendez534@gmail.com>  
Marc Weistroff <marc@weistroff.net>  
Marcel van Lohuizen <mpvl@golang.org>  
Marco Hennings <marco.hennings@freiheit.com>  
Marga Manterola <marga@google.com>  
Marius Nuennerich <mnu@google.com>  
Mark Bucciarelli <mkbucc@gmail.com>

Mark Theunissen <mark.theunissen@gmail.com>  
Mark Zavislak <zavislak@google.com>  
Marko Juhani Silokunnas <marko.silokunnas@gmail.com>  
Marko Mikulicic <mkm@google.com>  
Marko Tiikkaja <marko@joh.to>  
Markus Duft <markus.duft@salomon.at>  
Markus Sonderegger <marraison@gmail.com>  
Markus Zimmermann <zimmski@gmail.com>  
Martin Mohrmann <martisch@uos.de>  
Martin Neubauer <m.ne@gmx.net>  
Martin Olsson <martin@minimum.se>  
Marvin Stenger <marvin.stenger94@gmail.com>  
Mateusz Czapliski <czapkofan@gmail.com>  
Mathias Beke <git@denbeke.be>  
Mathieu Lonjaret <mathieu.lonjaret@gmail.com>  
Mats Lidell <mats.lidell@cag.se> <mats.lidell@gmail.com>  
Matt Aimonetti <mattaimonetti@gmail.com>  
Matt Bostock <matt@mattbostock.com>  
Matt Brown <mdbrown@google.com>  
Matt Drollette <matt@drollette.com>  
Matt Jibson <matt.jibson@gmail.com>  
Matt Joiner <anacrolix@gmail.com>  
Matt Jones <mrjones@google.com>  
Matt Layher <mdllyher@gmail.com>  
Matt Reiferson <mreiferson@gmail.com>  
Matt T. Proud <matt.proud@gmail.com>  
Matt Williams <gh@mattyw.net> <mattyjwilliams@gmail.com>  
Matthew Brennan <matty.brennan@gmail.com>  
Matthew Cottingham <mattcottingham@gmail.com>  
Matthew Dempsey <mdempsey@google.com>  
Matthew Holt <Matthew.Holt+git@gmail.com>  
Matthew Horsnell <matthew.horsnell@gmail.com>  
Maxim Khitrov <max@mxcrypt.com>  
Maxim Pimenov <mpimenov@google.com>  
Maxim Ushakov <ushakov@google.com>  
Meir Fischer <meirfischer@gmail.com>  
Meng Zhuo <mengzhuo1203@gmail.com>  
Mhd Sulhan <m.shulhan@gmail.com>  
Micah Stetson <micah.stetson@gmail.com>  
Michael Chaten <mchaten@gmail.com>  
Michael Elkins <michael.elkins@gmail.com>  
Michael Fraenkel <michael.fraenkel@gmail.com>  
Michael Gehring <mg@ebfe.org> <gnirheg.leahcim@gmail.com>  
Michael Hoisie <hoisie@gmail.com>  
Michael Hudson-Doyle <michael.hudson@linaro.org>  
Michael Kufel <golang@c.michael-kaeufl.de>  
Michael Kelly <mjk@google.com>  
Michael Lewis <mikelikespie@gmail.com>

Michael MacInnis <Michael.P.MacInnis@gmail.com>  
Michael Marineau <michael.marineau@coreos.com>  
Michael Matloob <matloob@google.com>  
Michael McGreevy <mcgreevy@golang.org>  
Michael Pearson <mipearson@gmail.com>  
Michael Piatek <piatek@google.com>  
Michael Schaller <michael@5challer.de>  
Michael Shields <mshields@google.com>  
Michael Stapelberg <michael@stapelberg.de> <mstplbrg@googlemail.com>  
Michael T. Jones <mtj@google.com> <michael.jones@gmail.com>  
Michael Teichgrber <mteichgraeber@gmx.de> <mt4swm@googlemail.com>  
Michael Vetter <g.bluehut@gmail.com>  
Michal Bohuslvek <mbohuslvek@gmail.com>  
Michal Cierniak <cierniak@google.com>  
Micha Derkacz <ziutek@inet.pl>  
Michalis Kargakis <michaliskargakis@gmail.com>  
Miek Gieben <miek@miek.nl> <remigius.gieben@gmail.com>  
Mihai Borobocea <MihaiBorobocea@gmail.com>  
Mikael Tillenius <mikti42@gmail.com>  
Mike Andrews <mra@xoba.com>  
Mike Rosset <mike.rosset@gmail.com>  
Mike Samuel <mikesamuel@gmail.com>  
Mike Solomon <msolo@gmail.com>  
Mikhail Panchenko <m@mihasya.com>  
Miki Tebeka <miki.tebeka@gmail.com>  
Mikio Hara <mikioh.mikioh@gmail.com>  
Mikkel Krautz <mikkel@krautz.dk> <krautz@gmail.com>  
Miquel Sabat Sol <mikisabate@gmail.com>  
Mohit Agarwal <mohit@sdf.org>  
Moriyoshi Koizumi <mozo@mozo.jp>  
Mshe van der Sterre <moshevds@gmail.com>  
Mrunal Patel <mrunalp@gmail.com>  
Nan Deng <monnand@gmail.com>  
Nathan John Youngman <nj@nathany.com>  
Nathan Otterness <otterness@cs.unc.edu>  
Nathan P Finch <nate.finch@gmail.com>  
Nathan VanBenschoten <nvanbenschoten@gmail.com>  
Nathan Youngman <git@nathany.com>  
Nathan(yinian) Hu <nathanhu@google.com>  
Neelesh Chandola <neelesh.c98@gmail.com>  
Nevins Bartolomeo <nevins.bartolomeo@gmail.com>  
Nicholas Katsaros <nick@nickkatsaros.com>  
Nicholas Presta <nick@nickpresta.ca> <nick1presta@gmail.com>  
Nicholas Sullivan <nicholas.sullivan@gmail.com>  
Nicholas Waples <nwaples@gmail.com>  
Nick Cooper <nmvc@google.com>  
Nick Craig-Wood <nick@craig-wood.com> <nickcw@gmail.com>  
Nicolas Kaiser <nikai@nikai.net>

Nicolas Owens <mischief@offblast.org>  
Nicolas S. Dade <nic.dade@gmail.com>  
Nigel Kerr <nigel.kerr@gmail.com>  
Nigel Tao <nigeltao@golang.org>  
Nikolay Turpitko <nikolay@turpitko.com>  
Noah Campbell <noahcampbell@gmail.com>  
Nodir Turakulov <nodir@google.com>  
Norberto Lopes <nlopes.ml@gmail.com>  
Oleku Konko <oleku.konko@gmail.com>  
Oling Cat <olingcat@gmail.com>  
Oliver Hookins <ohookins@gmail.com>  
Olivier Antoine <olivier.antoine@gmail.com>  
Olivier Duperray <duperray.olivier@gmail.com>  
Olivier Saingre <osaingre@gmail.com>  
Padraig Kitterick <padraigkitterick@gmail.com>  
Paolo Giarrusso <p.giarrusso@gmail.com>  
Paolo Martini <mrtnpaolo@gmail.com>  
Pascal S. de Kloe <pascal@quies.net>  
Patrick Crosby <patrick@stathat.com>  
Patrick Gavlin <pgavlin@gmail.com>  
Patrick Higgins <patrick.allen.higgins@gmail.com>  
Patrick Mzard <patrick@mezard.eu>  
Patrick Mylund Nielsen <patrick@patrickmn.com>  
Patrick Riley <pfr@google.com>  
Patrick Smith <pat42smith@gmail.com>  
Paul A Querna <paul.querna@gmail.com>  
Paul Borman <borman@google.com>  
Paul Chang <paulchang@google.com>  
Paul Hammond <paul@paulhammond.org>  
Paul Hankin <paulhankin@google.com>  
Paul Lalonde <paul.a.lalonde@gmail.com>  
Paul Marks <pmarks@google.com>  
Paul Meyer <paul.meyer@microsoft.com>  
Paul Nasrat <pnasrat@google.com>  
Paul Rosania <paul.rosania@gmail.com>  
Paul Sbarra <Sbarra.Paul@gmail.com>  
Paul Smith <paulsmith@pobox.com> <paulsmith@gmail.com>  
Paul van Brouwershaven <paul@vanbrouwershaven.com>  
Pavel Paulau <pavel.paulau@gmail.com>  
Pavel Zinovkin <pavel.zinovkin@gmail.com>  
Pawel Knap <pawelknap88@gmail.com>  
Pawel Szczur <filemon@google.com>  
Percy Wegmann <ox.to.a.cart@gmail.com>  
Perry Abbott <perry.j.abbott@gmail.com>  
Petar Maymoukov <petarm@gmail.com>  
Peter Armitage <peter.armitage@gmail.com>  
Peter Collingbourne <pcc@google.com>  
Peter Froehlich <peter.hans.froehlich@gmail.com>

Peter Kleiweg <pkleiweg@xs4all.nl>  
Peter McKenzie <petermck@google.com>  
Peter Moody <pmoody@uber.com>  
Peter Mundy <go.peter.90@gmail.com>  
Pter Surnyi <speter.go1@gmail.com>  
Pter Szab <pts@google.com>  
Pter Szilgyi <peterke@gmail.com>  
Peter Tseng <ptseng@squareup.com>  
Peter Waldschmidt <peter@waldschmidt.com>  
Peter Waller <peter.waller@gmail.com>  
Peter Weinberger <pjw@golang.org>  
Peter Williams <pwil3058@gmail.com>  
Phil Pennock <pdp@golang.org>  
Philip K. Warren <pkwarren@gmail.com>  
Pierre Roullon <pierre.roullon@gmail.com>  
Pieter Droogendijk <pieter@binky.org.uk>  
Pietro Gagliardi <pietro10@mac.com>  
Preetam Jinka <pj@preet.am>  
Quan Yong Zhai <qyzhai@gmail.com>  
Quentin Perez <qperez@ocs.online.net>  
Quoc-Viet Nguyen <afelion@gmail.com>  
Rahul Chaudhry <rahulchaudhry@chromium.org>  
Raif S. Naffah <go@naffah-raif.name>  
Rajat Goel <rajat.goel2010@gmail.com>  
Ralph Corderoy <ralph@inputplus.co.uk>  
Raph Levien <raph@google.com>  
Raul Silvera <rsilvera@google.com>  
Reinaldo de Souza Jr <juniorz@gmail.com>  
Rmy Oudompheng <oudomphe@phare.normalesup.org> <remyoudompheng@gmail.com>  
Richard Barnes <rlb@ipv.sx>  
Richard Crowley <r@rcrowley.org>  
Richard Eric Gavaletz <gavaletz@gmail.com>  
Richard Musiol <mail@richard-musiol.de> <neelance@gmail.com>  
Rick Arnold <rickarnoldjr@gmail.com>  
Rick Hudson <rlh@golang.org>  
Risto Jaakko Saarelm <rsaarelm@gmail.com>  
Rob Earhart <earhart@google.com>  
Rob Norman <rob.norman@infinitycloud.com>  
Rob Pike <r@golang.org>  
Robert Daniel Kortschak <dan.kortschak@adelaide.edu.au>  
Robert Dinu <r@varp.se>  
Robert Figueiredo <robfig@gmail.com>  
Robert Griesemer <gri@golang.org>  
Robert Hencke <robert.hencke@gmail.com>  
Robert Iannucci <iannucci@google.com>  
Robert Obryk <robryk@gmail.com>  
Robert Sesek <rsesek@google.com>  
Robert Snedegar <roberts@google.com>



Robert Stepanek <robert.stepanek@gmail.com>  
Robin Eklind <r.eklind.87@gmail.com>  
Rodrigo Moraes de Oliveira <rodrigo.moraes@gmail.com>  
Rodrigo Rafael Monti Kochenburger <divoxx@gmail.com>  
Roger Pau Monn <royger@gmail.com>  
Roger Peppe <rogpeppe@gmail.com>  
Ron Hashimoto <mail@h2so5.net>  
Ron Minnich <rminnich@gmail.com>  
Ross Light <light@google.com> <rlight2@gmail.com>  
Rowan Worth <sqweek@gmail.com>  
Rui Ueyama <ruiiu@google.com>  
Russ Cox <rsc@golang.org>  
Russell Haering <russellhaering@gmail.com>  
Ryan Barrett <ryanb@google.com>  
Ryan Brown <ribrd@b@gmail.com>  
Ryan Hitchman <hitchmanr@gmail.com>  
Ryan Lower <rpjlower@gmail.com>  
Ryan Seys <ryan@ryanseys.com>  
Ryan Slade <ryanslade@gmail.com>  
S.alar Onur <caglar@10ur.org>  
Salmon Aljammz <s@0x65.net>  
Sam Thorogood <thorogood@google.com> <sam.thorogood@gmail.com>  
Sameer Ajmani <sameer@golang.org> <ajmani@gmail.com>  
Sanjay Menakuru <balasanjay@gmail.com>  
Sasha Lionheart <lionhearts@google.com>  
Scott Barron <scott.barron@github.com>  
Scott Ferguson <scottwferg@gmail.com>  
Scott Lawrence <bytbody@gmail.com>  
Scott Schwartz <scotts@golang.org>  
Scott Van Woudenberg <scottvw@google.com>  
Sean Burford <sburford@google.com>  
Sean Dolphin <Sean.Dolphin@kpccompass.com>  
Sebastien Binet <seb.binet@gmail.com>  
Sbastien Paolacci <sebastien.paolacci@gmail.com>  
Sergei Skorobogatov <skorobo@rambler.ru>  
Sergey 'Snake' Gromov <snake.scaly@gmail.com>  
Sergey Arseev <sergey.arseev@intel.com>  
Sergio Luis O. B. Correia <sergio@correia.cc>  
Seth Hoenig <seth.a.hoenig@gmail.com>  
Shane Hansen <shanemhansen@gmail.com>  
Shaozhen Ding <dsz0111@gmail.com>  
Shawn Ledbetter <sledbetter@google.com>  
Shawn Smith <shawn.p.smith@gmail.com>  
Shawn Walker-Salas <shawn.walker@oracle.com>  
Shenghou Ma <minux@golang.org> <minux.ma@gmail.com>  
Shivakumar GN <shivakumar.gn@gmail.com>  
Shun Fan <sfan@google.com>  
Silvan Jegen <s.jegen@gmail.com>

Simon Whitehead <chemnova@gmail.com>  
Sokolov Yura <funny.falcon@gmail.com>  
Spencer Nelson <s@spenczar.com>  
Spring Mc <heresy.mc@gmail.com>  
Srdjan Petrovic <spetrovic@google.com>  
StalkR <stalkr@stalkr.net>  
Stan Schwertly <stan@schwertly.com>  
Stefan Nilsson <snilsson@nada.kth.se> <trolleriprofessorn@gmail.com>  
Stphane Travostino <stephane.travostino@gmail.com>  
Stephen Ma <stephenm@golang.org>  
Stephen McQuay <stephen@mcquay.me>  
Stephen Weinberg <stephen@q5comm.com>  
Steve McCoy <mccoyst@gmail.com>  
Steve Newman <snewman@google.com>  
Steve Phillips <elimistev@gmail.com>  
Steve Streeting <steve@stevestreeting.com>  
Steven Elliot Harris <seharris@gmail.com>  
Steven Hartland <steven.hartland@multiplay.co.uk>  
Sugu Sougoumarane <ssougou@gmail.com>  
Sven Almgren <sven@tras.se>  
Szabolcs Nagy <nsz@port70.net>  
Tad Glines <tad.glines@gmail.com>  
Taj Khattrra <taj.khattrra@gmail.com>  
Takashi Matsuo <tmatsuo@google.com>  
Takeshi YAMANASHI <9.nashi@gmail.com>  
Tamir Duberstein <tamird@gmail.com>  
Tarmigan Casebolt <tarmigan@gmail.com>  
Taru Karttunen <taruti@taruti.net>  
Tatsuhiko Tsujikawa <tatsuhiko.t@gmail.com>  
Tetsuo Kiso <tetsuokiso9@gmail.com>  
Thiago Fransosi Farina <thiago.farina@gmail.com> <tfarina@chromium.org>  
Thomas Alan Copeland <talan.copeland@gmail.com>  
Thomas Desrosiers <thomasdesr@gmail.com>  
Thomas Habets <habets@google.com>  
Thomas Kappler <tkappler@gmail.com>  
Thorben Krueger <thorben.krueger@gmail.com>  
Tim Cooijmans <timcooijmans@gmail.com>  
Tim Hockin <thockin@google.com>  
Timo Savola <timo.savola@gmail.com>  
Timo Truys <alkaloid.btx@gmail.com>  
Tobias Columbus <tobias.columbus@gmail.com> <tobias.columbus@googlemail.com>  
Todd Neal <todd@tneal.org>  
Todd Wang <toddwang@gmail.com>  
Tom Heng <zhm20070928@gmail.com>  
Tom Linfoord <tomlinfoord@gmail.com>  
Tom Szymanski <tgs@google.com>  
Tommy Schaefer <tommy.schaefer@teecom.com>  
Tor Andersson <tor.andersson@gmail.com>

Tormod Erevik Lea <tormodlea@gmail.com>  
Totoro W <tw19881113@gmail.com>  
Travis Cline <travis.cline@gmail.com>  
Trevor Strohman <trevor.strohman@gmail.com>  
Trey Tacon <ttacon@gmail.com>  
Tudor Golubenco <tudor.g@gmail.com>  
Tyler Bunnell <tylerbunnell@gmail.com>  
Tyler Treat <ttreat31@gmail.com>  
Ugorji Nwoke <ugorji@gmail.com>  
Ulf Holm Nielsen <doktor@dyregod.dk>  
Ulrich Kunitz <uli.kunitz@gmail.com>  
Uriel Mangado <uriel@berlinblue.org>  
Uttam C Pawar <uttam.c.pawar@intel.com>  
Vadim Vygonets <unixdj@gmail.com>  
Vega Garcia Luis Alfonso <vegacom@gmail.com>  
Vincent Ambo <tazjin@googlemail.com>  
Vincent Batts <vbatts@hashbangbash.com> <vbatts@gmail.com>  
Vincent Vanackere <vincent.vanackere@gmail.com>  
Vinu Rajashekhar <vinutheraj@gmail.com>  
Vish Subramanian <vish@google.com>  
Vlad Krasnov <vlad@cloudflare.com>  
Vladimir Nikishenko <vova616@gmail.com>  
Volker Dobler <dr.volker.dobler@gmail.com>  
Wei Guangjing <vcc.163@gmail.com>  
Will Chan <willchan@google.com>  
Will Norris <willnorris@google.com>  
Willem van der Schyff <willemvds@gmail.com>  
William Chan <willchan@chromium.org>  
William Josephson <wjosephson@gmail.com>  
William Orr <will@worrbase.com> <ay1244@gmail.com>  
Xia Bin <snyh@snyh.org>  
Xing Xing <mikespook@gmail.com>  
Yan Zou <yzou@google.com>  
Yann Kerherv <yann.kerherv@gmail.com>  
Yao Zhang <lunaria21@gmail.com>  
Yasuharu Goto <matope.ono@gmail.com>  
Yasuhiro Matsumoto <mattn.jp@gmail.com>  
Yesudeep Mangalapilly <yesudeep@google.com>  
Yissakhar Z. Beck <yissakhar.beck@gmail.com>  
Yo-An Lin <yoanlin93@gmail.com>  
Yongjian Xu <i3dmaster@gmail.com>  
Yoshiyuki Kanno <nekotaroh@gmail.com> <yoshiyuki.kanno@stoic.co.jp>  
Yuki Yugui Sonoda <yugui@google.com>  
Yusuke Kagiwada <block.rxckin.beats@gmail.com>  
Yuusei Kuwana <kuwana@kumama.org>  
Yuval Pavel Zholkover <paulzhol@gmail.com>  
Yves Junqueira <yvesj@google.com> <yves.junqueira@gmail.com>  
Ziad Hatahet <hatahet@gmail.com>

Zorion Arrizabalaga <zorionk@gmail.com>  
<bronzel1man@gmail.com>  
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## 1.21 go-crypto

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### 6

#### 1.21.1 Available under license :

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## 1.22 go-github

# 7277108aa3e8823e0e028f6c74aea2f4ce4a1b5

### a

#### 1.22.1 Available under license :

```
// Copyright 2013 The go-github AUTHORS. All rights reserved.
//
// Use of this source code is governed by a BSD-style
// license that can be found in the LICENSE file.

package github

import "fmt"

// LicensesService handles communication with the license related
// methods of the GitHub API.
//
// GitHub API docs: http://developer.github.com/v3/pulls/
type LicensesService struct {
    client *Client
}

// License represents an open source license.
```

```

Key *string `json:"key,omitempty"`
Name *string `json:"name,omitempty"`
URL *string `json:"url,omitempty"`

HTMLURL *string `json:"html_url,omitempty"`
Featured *bool `json:"featured,omitempty"`
Description *string `json:"description,omitempty"`
Category *string `json:"category,omitempty"`
Implementation *string `json:"implementation,omitempty"`
Required *[]string `json:"required,omitempty"`
Permitted *[]string `json:"permitted,omitempty"`
Forbidden *[]string `json:"forbidden,omitempty"`
Body *string `json:"body,omitempty"`
}

func (l License) String() string {
return Stringify(l)
}

// List popular open source licenses.
//
// GitHub API docs: https://developer.github.com/v3/licenses/#list-all-licenses
func (s *LicensesService) List() ([]License, *Response, error) {
req, err := s.client.NewRequest("GET", "licenses", nil)
if err != nil {
return nil, nil, err
}

// TODO: remove custom Accept header when this API fully launches
req.Header.Set("Accept", mediaTypeLicensesPreview)

licenses := new([]License)
resp, err := s.client.Do(req, licenses)
if err != nil {
return nil, resp, err
}

return *licenses, resp, err
}

// Get extended metadata for one license.
//
// GitHub API docs: https://developer.github.com/v3/licenses/#get-an-individual-license
func (s *LicensesService) Get(licenseName string) (*License, *Response, error) {
u := fmt.Sprintf("licenses/%s", licenseName)

req, err := s.client.NewRequest("GET", u, nil)
if err != nil {

```

```

    return nil, nil, err
}

// TODO: remove custom Accept header when this API fully launches
req.Header.Set("Accept", mediaTypeLicensesPreview)

license := new(License)
resp, err := s.client.Do(req, license)
if err != nil {
    return nil, resp, err
}

return license, resp, err
}

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//
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// license that can be found in the LICENSE file.

package github

import (
    "fmt"
    "net/http"
    "reflect"
    "testing"
)

func TestLicensesService_List(t *testing.T) {
    setup()
    defer teardown()

    mux.HandleFunc("/licenses", func(w http.ResponseWriter, r *http.Request) {
        testMethod(t, r, "GET")
        testHeader(t, r, "Accept", mediaTypeLicensesPreview)
        fmt.Fprint(w, `[{ "key": "mit", "name": "MIT", "url": "https://api.github.com/licenses/mit" }]`)
    })

    licenses, _, err := client.Licenses.List()
    if err != nil {
        t.Errorf("Licenses.List returned error: %v", err)
    }

    want := []License{ {
        Key: String("mit"),
        Name: String("MIT"),
        URL: String("https://api.github.com/licenses/mit"),
    } }

```

```

if !reflect.DeepEqual(licenses, want) {
    t.Errorf("Licenses.List returned %+v, want %+v", licenses, want)
}
}

func TestLicensesService_Get(t *testing.T) {
    setup()
    defer teardown()

    mux.HandleFunc("/licenses/mit", func(w http.ResponseWriter, r *http.Request) {
        testMethod(t, r, "GET")
        testHeader(t, r, "Accept", mediaTypeLicensesPreview)
        fmt.Fprint(w, `{"key":"mit","name":"MIT"}`)
    })

    license, _, err := client.Licenses.Get("mit")
    if err != nil {
        t.Errorf("Licenses.Get returned error: %v", err)
    }

    want := &License{Key: String("mit"), Name: String("MIT")}
    if !reflect.DeepEqual(license, want) {
        t.Errorf("Licenses.Get returned %+v, want %+v", license, want)
    }
}

func TestLicensesService_Get_invalidTemplate(t *testing.T) {
    _, _, err := client.Licenses.Get("%")
    testURLParseError(t, err)
}

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Akeda Bagus <akeda@x-team.com>
Alec Thomas <alec@swapoff.org>
Alex Bramley <a.bramley@gmail.com>
Alexander Harkness <me@bearbin.net>
Ali Afshar <afshar@google.com>
Amey Sakhadeo <me@ameyms.com>

```



Andreas Garns <<https://github.com/andreas>>  
Arl Bozoluk <[arilbozoluk@hotmail.com](mailto:arilbozoluk@hotmail.com)>  
Austin Dizzy <[dizzy@wow.com](mailto:dizzy@wow.com)>  
Beyang Liu <[beyang.liu@gmail.com](mailto:beyang.liu@gmail.com)>  
Billy Lynch <[wlynch@google.com](mailto:wlynch@google.com)> <[wlynch92@gmail.com](mailto:wlynch92@gmail.com)>  
Brendan Burns <[bburns@google.com](mailto:bburns@google.com)>  
Brian Egizi <[brian@mojotech.com](mailto:brian@mojotech.com)>  
Cami Diez <[diezcam@gmail.com](mailto:diezcam@gmail.com)>  
Charlie Yan <[charlieyan08@gmail.com](mailto:charlieyan08@gmail.com)>  
Chris Broadfoot <[cbro@google.com](mailto:cbro@google.com)>  
Chris Schaefer <[chris@dtzq.com](mailto:chris@dtzq.com)>  
Colin Misare <[github.com/cmisare](https://github.com/cmisare)>  
Craig Peterson <[cpeterson@stackoverflow.com](mailto:cpeterson@stackoverflow.com)>  
Cristian Maglie <[c.maglie@bug.st](mailto:c.maglie@bug.st)>  
Daniel Leavitt <[daniel.leavitt@gmail.com](mailto:daniel.leavitt@gmail.com)>  
Diego Lapiduz <[diego.lapiduz@cfpb.gov](mailto:diego.lapiduz@cfpb.gov)>  
Dmitri Shuralyov <[shurcool@gmail.com](mailto:shurcool@gmail.com)>  
dmnlk <[seikima2demon@gmail.com](mailto:seikima2demon@gmail.com)>  
Doug Turner <[doug.turner@gmail.com](mailto:doug.turner@gmail.com)>  
erwinvaneyk <[erwinvaneyk@gmail.com](mailto:erwinvaneyk@gmail.com)>  
Francis <[hello@francismakes.com](mailto:hello@francismakes.com)>  
Fredrik Jnsson <[fredrik.jonsson@izettle.com](mailto:fredrik.jonsson@izettle.com)>  
Guz Alexander <[kalimatas@gmail.com](mailto:kalimatas@gmail.com)>  
Hari haran <[hariharan.uno@gmail.com](mailto:hariharan.uno@gmail.com)>  
i2bskn <[i2bskn@gmail.com](mailto:i2bskn@gmail.com)>  
Jameel Haffejee <[RC1140@republiccommandos.co.za](mailto:RC1140@republiccommandos.co.za)>  
Jason Hall <[jasonhall@google.com](mailto:jasonhall@google.com)>  
Jihoon Chung <[j.c@navercorp.com](mailto:j.c@navercorp.com)>  
Justin Abrahms <[justin@abrah.ms](mailto:justin@abrah.ms)>  
Konrad Malawski <[konrad.malawski@project13.pl](mailto:konrad.malawski@project13.pl)>  
Krzysztof Kowalczyk <[kkowalczyk@gmail.com](mailto:kkowalczyk@gmail.com)>  
Kyle Kelley <[kyle.kelley@rackspace.com](mailto:kyle.kelley@rackspace.com)>  
kyokomi <[kyoko1220adword@gmail.com](mailto:kyoko1220adword@gmail.com)>  
Maksim Zhyllinski <[uzzable@gmail.com](mailto:uzzable@gmail.com)>  
Mark McDonald <[macd@google.com](mailto:macd@google.com)>  
Martin-Louis Bright <[mlbright@gmail.com](mailto:mlbright@gmail.com)>  
Mat Geist <[matgeist@gmail.com](mailto:matgeist@gmail.com)>  
Matt Landis <[landis.matt@gmail.com](mailto:landis.matt@gmail.com)>  
Maxime Bury <[maxime.bury@gmail.com](mailto:maxime.bury@gmail.com)>  
Michael Tiller <[michael.tiller@gmail.com](mailto:michael.tiller@gmail.com)>  
Nathan VanBenschoten <[nvanbenschoten@gmail.com](mailto:nvanbenschoten@gmail.com)>  
Omar Jarjur <[ojarjur@google.com](mailto:ojarjur@google.com)>  
Ondrej Kupka <[ondra.cap@gmail.com](mailto:ondra.cap@gmail.com)>  
Panagiotis Moustafellos <[pmoust@gmail.com](mailto:pmoust@gmail.com)>  
Parker Moore <[parkrmoore@gmail.com](mailto:parkrmoore@gmail.com)>  
Piotr Zurek <[p.zurek@gmail.com](mailto:p.zurek@gmail.com)>  
Quinn Slack <[qslack@qslack.com](mailto:qslack@qslack.com)>  
Rob Figueiredo <[robfig@yext.com](mailto:robfig@yext.com)>

Russ Cox <rsc@golang.org>  
Ruben Vereecken <rubenvereecken@gmail.com>  
Ryan Lower <rpjlower@gmail.com>  
Sander van Harmelen <svanharmelen@schubergphilis.com>  
Sean Wang <sean@decrypted.org>  
Shawn Smith <shawnsmith@gmail.com>  
Stian Eikeland <stian@eikeland.se>  
Thomas Bruyelle <thomas.bruyelle@gmail.com>  
Tobias Schmidt <ts@soundcloud.com>  
Trey Tacon <ttacon@gmail.com>  
Victor Castell <victor@victorcastell.com>  
Will Norris <willnorris@google.com> <will@willnorris.com>  
William Bailey <mail@williambailey.org.uk>  
Yann Malet <yann.malet@gmail.com>  
Yicheng Qin <qycqycqycqycqyc@gmail.com>  
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## 1.26 go-sys 0.1

**:9bb9f0998d48b31547d975974935ae9b48c7a0**

# 3c

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```
/*
```

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```
*/
```

```
// Package legal provides in-process storage for compiled-in licenses.  
package legal // import "go4.org/legal"
```

```
var licenses []string
```

```
// RegisterLicense stores the license text.  
// It doesn't check whether the text was already present.  
func RegisterLicense(text string) {  
    licenses = append(licenses, text)  
    return  
}
```

```
// Licenses returns a slice of the licenses.  
func Licenses() []string {  
    return licenses  
}
```

```
/*
```

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```
*/
```

```
package legal

import (
    "testing"
)

func TestRegisterLicense(t *testing.T) {
    initial := len(licenses)
    RegisterLicense("dummy")
    if initial+1 != len(licenses) {
        t.Fatal("didn't add a license")
    }
}
```

## 1.28 golang glog

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

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4. You may copy and distribute the Library (or a portion or

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

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

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

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

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

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.  
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c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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

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

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to

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

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

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## 1.46 libiconv 1.11

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## 1.47 libpcap 1.5.3

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:bd388d2b6c2c151bf513c1e449417d18ce02d1

### 0b

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wepoll - epoll for Windows

<https://github.com/piscisaureus/wepoll>

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## 1.51 linux 4.1.8

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Contributors to bttv:

Michael Chu <mmchu@pobox.com>  
AverMedia fix and more flexible card recognition

Alan Cox <alan@lxorguk.ukuu.org.uk>  
Video4Linux interface and 2.1.x kernel adaptation

Chris Kleitsch  
Hardware I2C

Gerd Knorr <kraxel@cs.tu-berlin.de>  
Radio card (ITT sound processor)

bigfoot <bigfoot@net-way.net>  
Ragnar Hojland Espinosa <ragnar@macula.net>  
ConferenceTV card

+ many more (please mail me if you are missing in this list and would like to be mentioned)

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Andreas Oberitter <obi@linuxtv.org>  
Dennis Noermann <dennis.noermann@noernet.de>  
Felix Domke <tmbinc@elitedvb.net>  
Florian Schirmer <jolt@tuxbox.org>  
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single nxt200x frontend driver.

(If you think you should be in this list, but you are not, drop a  
line to the DVB mailing list)

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

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 \* Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.  
 \*  
 \* M. Welsh, 6 July 1996  
 \*  
 \*  
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Ajay Joshi <jaj@google.com>  
Balzs Dn <balazs.dan@gmail.com>  
Bharat Mediratta <bharat@menalto.com>  
Chandler Carruth <chandlerc@google.com>  
Chris Prince <cprince@google.com>  
Chris Taylor <taylorc@google.com>  
Dan Egnor <egnor@google.com>  
Eric Roman <eroman@chromium.org>  
Hady Zalek <hady.zalek@gmail.com>  
Jeffrey Yasskin <jyasskin@google.com>  
Ji Sigursson <joi@google.com>  
Keir Mierle <mierle@gmail.com>  
Keith Ray <keith.ray@gmail.com>  
Kenton Varda <kenton@google.com>  
Manuel Klimek <klimek@google.com>  
Markus Heule <markus.heule@gmail.com>  
Mika Raento <mikie@iki.fi>  
Mikls Fazekas <mfazekas@szemafor.com>  
Pasi Valminen <pasi.valminen@gmail.com>  
Patrick Hanna <phanna@google.com>  
Patrick Riley <pfr@google.com>  
Peter Kaminski <piotrk@google.com>  
Preston Jackson <preston.a.jackson@gmail.com>  
Rainer Klaffenboeck <rainer.klaffenboeck@dynatrace.com>  
Russ Cox <rsc@google.com>  
Russ Rufer <russ@pentad.com>  
Sean McAfee <eefacm@gmail.com>  
Sigurur sgeirsson <siggi@google.com>  
Tracy Bialik <tracy@pentad.com>  
Vadim Berman <vadimb@google.com>  
Vlad Losev <vladl@google.com>

Zhanyong Wan <wan@google.com>

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This file contains a list of people who have made large contributions to the public version of Protocol Buffers.

Original Protocol Buffers design and implementation:

Sanjay Ghemawat <sanjay@google.com>

Jeff Dean <jeff@google.com>

Daniel Dulitz <daniel@google.com>

Craig Silverstein

Paul Haahr <haahr@google.com>

Corey Anderson <corin@google.com>

(and many others)

Proto2 C++ and Java primary author:

Kenton Varda <kenton@google.com>

Proto2 Python primary authors:

Will Robinson <robinson@google.com>

Petar Petrov <petar@google.com>

Large code contributions:

Jason Hsueh <jasonh@google.com>

Joseph Schorr <jschorr@google.com>

Wenbo Zhu <wenboz@google.com>

Large quantity of code reviews:

Scott Bruce <sbruce@google.com>

Frank Yellin

Neal Norwitz <nnorwitz@google.com>

Jeffrey Yasskin <jyasskin@google.com>

Ambrose Feinstein <ambrose@google.com>

Documentation:

Lisa Carey <lcarey@google.com>

Maven packaging:

Gregory Kick <gak@google.com>

Patch contributors:

Kevin Ko <kevin.s.ko@gmail.com>

\* Small patch to handle trailing slashes in --proto\_path flag.

Johan Euphrosine <proppy@aminche.com>

\* Small patch to fix Python CallMethod().

Ulrich Kunitz <kune@deine-taler.de>

\* Small optimizations to Python serialization.

Leandro Lucarella <llucax@gmail.com>

\* VI syntax highlighting tweaks.

\* Fix compiler to not make output executable.

Dilip Joseph <dilip.antony.joseph@gmail.com>

\* Heuristic detection of sub-messages when printing unknown fields in text format.

Brian Atkinson <nairb774@gmail.com>

\* Added @Override annotation to generated Java code where appropriate.

Vincent Choinire <Choiniere.Vincent@hydro.qc.ca>

\* Tru64 support.

Monty Taylor <monty.taylor@gmail.com>

\* Solaris 10 + Sun Studio fixes.

Alek Storm <alek.storm@gmail.com>

\* Slicing support for repeated scalar fields for the Python API.

Oleg Smolsky <oleg.smolsky@gmail.com>

\* MS Visual Studio error format option.

\* Detect unordered\_map in stl\_hash.m4.

Brian Olson <brianolson@google.com>

- \* gzip/zlib I/O support.
- Michael Poole <mdpoole@troilus.org>
- \* Fixed warnings about generated constructors not explicitly initializing all fields (only present with certain compiler settings).
- \* Added generation of field number constants.
- Wink Saville <wink@google.com>
- \* Fixed initialization ordering problem in logging code.
- Will Pierce <willp@nuclei.com>
- \* Small patch improving performance of in Python serialization.
- Alexandre Vassalotti <alexandre@peadrop.com>
- \* Emacs mode for Protocol Buffers (editors/protobuf-mode.el).
- Scott Stafford <scott.stafford@gmail.com>
- \* Added Swap(), SwapElements(), and RemoveLast() to Reflection interface.
- Alexander Melnikov <alm@sibmail.ru>
- \* HPUX support.
- Oliver Jowett <oliver.jowett@gmail.com>
- \* Detect whether zlib is new enough in configure script.
- \* Fixes for Solaris 10 32/64-bit confusion.
- Evan Jones <evanj@mit.edu>
- \* Optimize Java serialization code when writing a small message to a stream.
- \* Optimize Java serialization of strings so that UTF-8 encoding happens only once per string per serialization call.
- \* Clean up some Java warnings.
- \* Fix bug with permanent callbacks that delete themselves when run.
- Michael Kucharski <m.kucharski@gmail.com>
- \* Added CodedInputStream.getTotalBytesRead().
- Kacper Kowalik <xarthisius.kk@gmail.com>
- \* Fixed m4/acx\_pthread.m4 problem for some Linux distributions.
- William Orr <will@worrbase.com>
- \* Fixed detection of sched\_yield on Solaris.
- \* Added atomicops for Solaris

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Home-page: <https://github.com/benhodgson/protobuf-to-dict>

Author: Ben Hodgson

Author-email: [ben@benhodgson.com](mailto:ben@benhodgson.com)

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## 1.69 python-cjson 1.0.5

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## 1.70 python-cryptography 1.5.1

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## 1.71 python-dpkt 1.8.6.2

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Metadata-Version: 1.1

Name: ply

Version: 3.7

Summary: Python Lex & Yacc

Home-page: <http://www.dabeaz.com/ply/>

Author: David Beazley

Author-email: [dave@dabeaz.com](mailto:dave@dabeaz.com)

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## 1.83 python2.7 2.7.9

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#### A. HISTORY OF THE SOFTWARE

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

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

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

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

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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

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

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Current upstream maintainers:

Bill Fenner <fenner@research.att.com>  
Fulvio Rizzo <rizzo@polito.it>  
Guy Harris <guy@alum.mit.edu>  
Hannes Gredler <hannes@juniper.net>  
Jun-ichiro itojun Hagino <itojun@ijlab.net>  
Michael Richardson <mcr@sandelman.ottawa.on.ca>

Additional people who have contributed patches:

Alan Bawden <Alan@LCS.MIT.EDU>  
Alexey Kuznetsov <kuznet@ms2.inr.ac.ru>  
Albert Chin <china@thewrittenword.com>  
Andrew Brown <atatat@atadot.net>  
Antti Kantee <pooka@netbsd.org>  
Arkadiusz Miskiewicz <misiek@pld.org.pl>  
Armando L. Caro Jr. <acaro@mail.eecis.udel.edu>  
Assar Westerlund <assar@sics.se>  
Brian Ginsbach <ginsbach@cray.com>  
Charles M. Hannum <mycroft@netbsd.org>  
Chris G. Demetriou <cgd@netbsd.org>  
Chris Pepper <pepper@mail.reppel.com>  
Darren Reed <darrenr@reed.wattle.id.au>  
David Kaelbling <drk@sgi.com>  
David Young <dyoung@ojctech.com>  
Don Ebricht <Don.Ebricht@compuware.com>  
Eric Anderson <anderse@hpl.hp.com>  
Franz Schaefer <schaefer@mond.at>  
Gianluca Varenni <varenni@netgroup-serv.polito.it>  
Gisle Vanem <giva@bgnett.no>  
Graeme Hewson <ghewson@cix.compulink.co.uk>  
Greg Stark <gsstark@mit.edu>  
Greg Troxel <gdt@ir.bbn.com>  
Guillaume Pelat <endymion\_@users.sourceforge.net>  
Hyung Sik Yoon <hsyn@kr.ibm.com>  
Igor Khristophorov <igor@atdot.org>  
Jan-Philip Velders <jpv@veldersjes.net>  
Jason R. Thorpe <thorpej@netbsd.org>  
Javier Achirica <achirica@ttd.net>  
Jean Tourrilhes <jt@hpl.hp.com>  
Jefferson Ogata <jogata@nodc.noaa.gov>  
Jesper Peterson <jesper@endace.com>  
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Jon Lindgren <jonl@yubyub.net>  
Juergen Schoenwaelder <schoenw@ibr.cs.tu-bs.de>  
Kazushi Sugyo <sugyo@pb.jp.nec.com>  
Klaus Klein <kleink@netbsd.org>  
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Krzysztof Halasa <khc@pm.waw.pl>

Lorenzo Cavallaro <sullivan@sikurezza.org>  
Loris Degioanni <loris@netgroup-serv.polito.it>  
Love Hrnquist-strand <lha@stacken.kth.se>  
Maciej W. Rozycki <macro@ds2.pg.gda.pl>  
Marcus Felipe Pereira <marcus@task.com.br>  
Martin Husemann <martin@netbsd.org>  
Mike Wiacek <mike@iroot.net>  
Monroe Williams <monroe@pobox.com>  
Octavian Cerna <tavy@ylabs.com>  
Olaf Kirch <okir@caldera.de>  
Onno van der Linden <onno@simplex.nl>  
Paul Mundt <lethal@linux-sh.org>  
Pavel Kankovsky <kan@dcit.cz>  
Peter Fales <peter@fales-lorenz.net>  
Peter Jeremy <peter.jeremy@alcatel.com.au>  
Phil Wood <cpw@lanl.gov>  
Rafal Maszkowski <rzm@icm.edu.pl>  
Rick Jones <raj@cup.hp.com>  
Scott Barron <sb125499@ohiou.edu>  
Scott Gifford <sgifford@tir.com>  
Sebastian Krahmer <krahmer@cs.uni-potsdam.de>  
Shaun Clowes <delius@progsoc.uts.edu.au>  
Solomon Peachy <pizza@shaftnet.org>  
Stefan Hudson <hudson@mbay.net>  
Takashi Yamamoto <yamt@mwd.biglobe.ne.jp>  
Tony Li <tli@procket.com>  
Torsten Landschoff <torsten@debian.org>  
Uns Lider <unslider@miranda.org>  
Uwe Girlich <Uwe.Girlich@philosys.de>  
Xianjie Zhang <xzhang@cup.hp.com>  
Yen Yen Lim  
Yoann Vandoorselaere <yoann@prelude-ids.org>

The original LBL crew:

Steve McCanne  
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Van Jacobson

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concluded that weaker conditions might promote sharing better.

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```

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Ty Coon, President of Vice
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## 1.96 ubus 2015-05-25

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## 1.97 uci 2015-08-27.1

### 1.97.1 Available under license :

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## 1.98 unzip 6.0 :1.e16

### 1.98.1 Available under license :

---

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---

#### FIRST NOTE:

This file contains some details about the copyright history of  
contributions to the UnZip project.

Additionally, it summarises some exceptions to the general BSD-like  
copyright found in LICENSE that covers our generic code and most of  
the system specific ports.

Please read LICENSE first to find out what is allowed to do with  
Info-ZIP's UnZip code.

-----

There are currently two explicit copyrights on portions of UnZip  
code (at least, of which Info-ZIP is aware):

Jim Luther's Mac OS File Manager interface code; and Christopher Evans'  
MacBinaryIII coding code (for the MacOS port).. These copyrights  
are discussed in more detail below.

All remaining code is now (starting with UnZip version 5.41) covered

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Frequently Asked Questions regarding (re)distribution of Zip and UnZip are near the end of this file.

There are no known patents on any of the code in UnZip. Unisys claims a patent on LZW encoding and on LZW decoding in an apparatus that performs LZW encoding, but the patent appears to exempt a stand-alone decoder (as in UnZip's unshrink.c). Unisys has publicly claimed otherwise, but the issue has never been tested in court. Since this point is unclear, unshrinking is not enabled by default. It is the responsibility of the user to make his or her peace with Unisys and its licensing requirements. (unshrink.c may be removed from future releases altogether.)

---

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

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

The following copyright applies to the Mac OS File Manager interface code (macos/source/macstuff.[ch]), distributed with UnZip 5.4 and later:

```
* MoreFiles
*
* A collection of File Manager and related routines
*
```



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- \* with significant code contributions by Nitin Ganatra
- \* (Apple Macintosh Developer Technical Support Emeritus)
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- \*
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-----

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"He says that he thought that whoever contacted him understood that he has no objection to the Info-ZIP group's inclusion of his code. His primary concern is that it remain freely distributable, he said."

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-----

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The decompression core code for the deflate method (inflate.[ch], explode.c) was originally written by Mark Adler who submitted it as public domain code.

-----  
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 *
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*/
```

## 1.100 util-linux 2.25.2

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```
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NR START END SECTORS SIZE NAME UUID

1 7936 12799 4864 2.4M

2 12544 16127 3584 1.8M

NR START END SECTORS SIZE NAME UUID

1 32 7679 7648 3.8M 8f8378c0-01

2 7680 16383 8704 4.3M 8f8378c0-02

5 7936 12799 4864 2.4M

6 12544 16127 3584 1.8M

size: 4456448, sector size: 512, PT: bsd, offset: 512, id=(null)

---

#1: 7936 4864 0x7

#2: 12544 3584 0x7

size: 8388608, sector size: 512, PT: dos, offset: 446, id=8f8378c0

---

#1: 32 7648 0x83 uuid='8f8378c0-01'

#2: 7680 8704 0xa5 uuid='8f8378c0-02'

#5: 7936 4864 0x7 (freebsd)

#6: 12544 3584 0x7 (freebsd)

Initialize empty image

f1c9645dbc14efddc7d8a322685f26eb bsd.img

Create new DOS partition table

57e721e38d1266c2df055067c18f2cf9 bsd.img

---layout-----

Disk <removed>: 10 MiB, 10485760 bytes, 20480 sectors

Units: sectors of 1 \* 512 = 512 bytes

Sector size (logical/physical): 512 bytes / 512 bytes

I/O size (minimum/optimal): 512 bytes / 512 bytes

Disklabel type: dos

Disk identifier: <removed>

-----

Create 1st primary partition  
ada64ace122978d00d1d1c0e5ee45d26 bsd.img

---layout-----

Disk <removed>: 10 MiB, 10485760 bytes, 20480 sectors  
Units: sectors of 1 \* 512 = 512 bytes  
Sector size (logical/physical): 512 bytes / 512 bytes  
I/O size (minimum/optimal): 512 bytes / 512 bytes  
Disklabel type: dos  
Disk identifier: <removed>

Device	Boot	Start	End	Sectors	Size	Id	Type
<removed>1		2048	4095	2048	1M	83	Linux

-----

Create 2st primary partition  
1bebf87248e05d6e4e62b749da65d023 bsd.img  
Set 2nd partition type  
2d8e8dff51a88a045db233418dd73fbe bsd.img

---layout-----

Disk <removed>: 10 MiB, 10485760 bytes, 20480 sectors  
Units: sectors of 1 \* 512 = 512 bytes  
Sector size (logical/physical): 512 bytes / 512 bytes  
I/O size (minimum/optimal): 512 bytes / 512 bytes  
Disklabel type: dos  
Disk identifier: <removed>

Device	Boot	Start	End	Sectors	Size	Id	Type
<removed>1		2048	4095	2048	1M	83	Linux
<removed>2		4096	20479	16384	8M	a5	FreeBSD

-----

Create default BSD  
2e1cee529cb59c9341afef0443f196a1 bsd.img

---layout-----

Welcome to fdisk <removed>.  
Changes will remain in memory only, until you decide to write them.  
Be careful before using the write command.

Command (m for help): Entering nested BSD disklabel.

Command (m for help): Disk <removed>2: 10 MiB, 10485760 bytes, 20480 sectors

Geometry: 255 heads, 63 sectors/track, 1 cylinders  
Units: sectors of 1 \* 512 = 512 bytes  
Sector size (logical/physical): 512 bytes / 512 bytes  
I/O size (minimum/optimal): 512 bytes / 512 bytes  
Disklabel type: BSD  
partitions: 4

Slice	Start	End	Sectors	Size	Type	Fsize	Bsize	Cpg
c	4096	20479	16384	8M	unused	0	0	0
d	0	16064	16065	7.9M	unused	0	0	0

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

Command (m for help):

-----

b5c121c2091b2ff26b880551feac7112 BSD.img

---layout-----

Welcome to fdisk <removed>.

Changes will remain in memory only, until you decide to write them.

Be careful before using the write command.

Command (m for help): Entering nested BSD disklabel.

Command (m for help): Disk <removed>2: 10 MiB, 10485760 bytes, 20480 sectors

Geometry: 255 heads, 63 sectors/track, 1 cylinders  
Units: sectors of 1 \* 512 = 512 bytes  
Sector size (logical/physical): 512 bytes / 512 bytes  
I/O size (minimum/optimal): 512 bytes / 512 bytes  
Disklabel type: BSD  
partitions: 4

Slice	Start	End	Sectors	Size	Type	Fsize	Bsize	Cpg
a	4096	6144	2049	1M	4.2BSD	0	0	0
c	4096	20479	16384	8M	unused	0	0	0
d	0	16064	16065	7.9M	unused	0	0	0

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

Command (m for help):

-----



Changes will remain in memory only, until you decide to write them.  
Be careful before using the write command.

Command (m for help): Entering nested BSD disklabel.

Command (m for help):

```
0 unused      5 4.1BSD      9 4.4LFS      d boot
1 swap        6 Eighth Edition a unknown    e ADOS
2 Version 6   7 4.2BSD      b HPFS       f HFS
3 Version 7   8 MS-DOS      c ISO-9660   10 AdvFS
4 System V
```

Command (m for help):

```
BZh91AY&SY`hC+{H|yL*UT{JDCCMhd?TPJ
4b`LLLD3Mf0h
4JM&hC&A
4h
P44OP4&FCFz(){W ">CN
@JEBx=Q
\]%HFYP@R "o""U*R
}CbW"XZTK8o%"Z]${!~9\%m/cB7D4F"N7r;o2&HLP)9p}N^g~?<lm9Q@+CvT
]0U"h-J|[Z(EkZMkZP(@0@I6Y$TK6jS\[SS@$ IIS$/ $ U$n}$I ISH$I .|@ $$I
IS$H1c!$STA`PPPPPU]W]r]uU@UYVUUUU-mW[UeKjHR
sUE)H:Eu;]jGD;r
#XZ^;{n|} @ ?$X(8HXo<@ @>bdo:>6BFJNRVZ^`8y
Tb))i*j+k,l-D
y{/^FH:ZzZ;Cv}BBa$I$I$I$I$I$B<A<8aU`J7UUUU33333330I$I$I$I$Ppur8\@>}"@I$I$I$I$~M#;qr|x[@(jVZ:a
H-kfWULR&vLI;HzS1p07R@mb`b.IEE2m"DSyP(Ejqw_X5u fBgXH mr*]5`QrdC .,1JU@@-h@@1C-1^\A5a -
7@(\Ei.E7q\DP0,5:
@)9@ @/D|.p
BZh91AY&SYf""~@H R h% CFTC@OQ6_@
tTJmlAH1||/FOHA]BAk@
#!/bin/bash
#
# This file is part of util-linux.
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#
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```

```

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#
#

TS_TOPDIR="${0%*/}/*"
TS_DESC="nested BSD"

. $TS_TOPDIR/functions.sh
ts_init "$*"

ts_check_test_command "$TS_CMD_FDISK"

FDISK_CMD_CREATE_DOSLABEL="o\n"          # create dos label
FDISK_CMD_SETID="x\ni\n0x1\nr\n"        # set non-random ID
FDISK_CMD_WRITE_CLOSE="w\nq\n"         # write to image
FDISK_CMD_CREATE_PRIMARY1="n\np\n1\nn+1M\n" # 1st primary partition of size 1MiB
FDISK_CMD_CREATE_PRIMARY2="n\np\n2\nn\n" # 2nd primary partition for whole of the disk
FDISK_CMD_CHANGE_PART2TYPE="t\n2\na5\n" # change partition type FreeBSD

FDISK_CMD_BSD_CREATE="b\ny\n"          # create nested BSD PT
FDISK_CMD_BSD_LIST="b\np\nr\nq\n"      # list nested BSD PT and quit
FDISK_CMD_BSD_CREATE_PART="b\nn\na\nn+1M\n" # add BSD partition 'a', size 1MiB
FDISK_CMD_BSD_PARTTYPE="b\nt\na\n7\n"  # set partition 'a' to type 4.2BSD
FDISK_CMD_BSD_LIST_TYPES="b\nl\nq\n"   # list supported PT types and quit

#set -x

# BSD disklable depends on sector/offset and endianness. We convert the md5sums
# into the most common values (little endian, BSD_LABELSECTOR = 1,
# BSD_LABELOFFSET = 0) so that they can be easily compared to the expected
# ones.
BYTE_ORDER=$(($TS_HELPER_SYSINFO byte-order)
function fdisk_bsd_offset_and_byte_order_clean
{
    if [ $BYTE_ORDER = "BE" ]; then
        # BSD_LABELSECTOR = 0, BSD_LABELOFFSET = 64
        sed -i \
        -e "s/c2273b52976351db75596c47c10b0725/2e1cee529cb59c9341afef0443f196a1/" \
        -e "s/9a234a5b99e37d2ce0d92b65437b93cd/b5c121c2091b2ff26b880551feac7112/" \
        "$TS_OUTPUT"

        # BSD_LABELSECTOR = 1, BSD_LABELOFFSET = 0
        sed -i \
        -e "s/e990c8a1c2106a4cd4b008f16d71aaa6/2e1cee529cb59c9341afef0443f196a1/" \
        -e "s/187a48c26e83d146b866868addc93702/b5c121c2091b2ff26b880551feac7112/" \
        "$TS_OUTPUT"
    else

```

```

# BSD_LABELSECTOR = 0, BSD_LABELOFFSET = 64
sed -i \
-e "s/78a922a80361cb73049bcd72e0f8f1d/2e1cee529cb59c9341afef0443f196a1/" \
-e "s/fc2803672a0643ffe46da325629616fc/b5c121c2091b2ff26b880551feac7112/" \
"$TS_OUTPUT"
fi
}

function print_layout {
echo -ne "\n---layout-----" >> $TS_OUTPUT
$TS_CMD_FDISK -l ${TEST_IMAGE_NAME} >> $TS_OUTPUT
echo -ne "-----\n\n" >> $TS_OUTPUT
}

function print_bsd_layout {
echo -ne "\n---layout-----" >> $TS_OUTPUT
echo -e "${FDISK_CMD_BSD_LIST}" | \
$TS_CMD_FDISK ${TEST_IMAGE_NAME} >> $TS_OUTPUT
echo -ne "-----\n\n" >> $TS_OUTPUT
}

ts_log "Initialize empty image"
TEST_IMAGE_NAME=$(ts_image_init 10)
ts_image_md5sum >> $TS_OUTPUT 2>&1

ts_log "Create new DOS partition table"
echo -e "${FDISK_CMD_CREATE_DOSLABEL}${FDISK_CMD_SETID}${FDISK_CMD_WRITE_CLOSE}" | \
|$TS_CMD_FDISK ${TEST_IMAGE_NAME} &> /dev/null
ts_image_md5sum >> $TS_OUTPUT 2>&1

print_layout

ts_log "Create 1st primary partition"
echo -e "${FDISK_CMD_CREATE_PRIMARY1}${FDISK_CMD_WRITE_CLOSE}" | \
$TS_CMD_FDISK ${TEST_IMAGE_NAME} &> /dev/null
ts_image_md5sum >> $TS_OUTPUT 2>&1

print_layout

ts_log "Create 2st primary partition"
echo -e "${FDISK_CMD_CREATE_PRIMARY2}${FDISK_CMD_WRITE_CLOSE}" | \
$TS_CMD_FDISK ${TEST_IMAGE_NAME} &> /dev/null
ts_image_md5sum >> $TS_OUTPUT 2>&1

ts_log "Set 2nd partition type"
echo -e "${FDISK_CMD_CHANGE_PART2TYPE}${FDISK_CMD_WRITE_CLOSE}" | \
$TS_CMD_FDISK ${TEST_IMAGE_NAME} &> /dev/null
ts_image_md5sum >> $TS_OUTPUT 2>&1

```

```
print_layout
```

```
ts_log "Create default BSD"
```

```
echo -e "${FDISK_CMD_BSD_CREATE}${FDISK_CMD_WRITE_CLOSE}" |\
  $TS_CMD_FDISK ${TEST_IMAGE_NAME} &> /dev/null
```

```
ts_image_md5sum >> $TS_OUTPUT 2>&1
```

```
print_bsd_layout
```

```
echo -e "${FDISK_CMD_BSD_CREATE_PART}${FDISK_CMD_WRITE_CLOSE}" |\
  $TS_CMD_FDISK ${TEST_IMAGE_NAME} &> /dev/null
```

```
echo -e "${FDISK_CMD_BSD_PARTTYPE}${FDISK_CMD_WRITE_CLOSE}" |\
  $TS_CMD_FDISK ${TEST_IMAGE_NAME} &> /dev/null
```

```
ts_image_md5sum >> $TS_OUTPUT 2>&1
```

```
print_bsd_layout
```

```
echo -e "${FDISK_CMD_BSD_LIST_TYPES}" |\
  $TS_CMD_FDISK ${TEST_IMAGE_NAME} |\
  sed 's/Reading .*/g; s/Welcome to fdisk .*/' >> $TS_OUTPUT 2>&1
```

```
fdisk_bsd_offset_and_byte_order_clean
```

```
ts_fdisk_clean ${TEST_IMAGE_NAME}
```

```
ts_finalize
```

# 1.101 zip 3.0

## 1.101.1 Available under license :

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## 1.102 zlib 1.2.8

## 1.102.1 Available under license :

interface of the 'zlib' general purpose compression library  
version 1.2.7, May 2nd, 2012

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Jean-loup Gailly      Mark Adler  
jloup@gzip.org      madler@alumni.caltech.edu

The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <http://tools.ietf.org/html/rfc1950> (zlib format), rfc1951 (deflate format) and rfc1952 (gzip format).

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```
<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) 19yy <name of author>
```

```
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```
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Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

The hypothetical commands `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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necessary. Here is a sample; alter the names:

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

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

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consider it more useful to permit linking proprietary applications with the  
library. If this is what you want to do, use the GNU Library General  
Public License instead of this License.

```
/*
 * match.S -- optimized version of longest_match()
 * based on the similar work by Gilles Vollant, and Brian Raiter, written 1998
 *
 * This is free software; you can redistribute it and/or modify it
 * under the terms of the BSD License. Use by owners of Che Guevarra
 * paraphernalia is prohibited, where possible, and highly discouraged
 * elsewhere.
 */
```

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